

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN040622\  
 Data File : VN071874.D  
 Acq On : 06 Apr 2022 12:56  
 Operator : JC\MD  
 Sample : VN0406WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0406WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 04/07/2022  
 Supervised By : Mahesh Dadoda 04/07/2022

Quant Time: Apr 07 04:25:55 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  | 517406              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.963          | 114  | 822720              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.739         | 117  | 747360              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.669         | 152  | 283433              | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.434          | 65   | 305719              | 51.757  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 103.520% |         |        |          |
| 35) Dibromofluoromethane     | 8.016          | 113  | 264550              | 54.645  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 109.300% |         |        |          |
| 50) Toluene-d8               | 10.439         | 98   | 1073102             | 54.185  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 108.380% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.727         | 95   | 338182              | 52.799  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 105.600% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.069          | 85   | 72095               | 17.527  | ug/l   | 94       |
| 3) Chloromethane             | 2.299          | 50   | 86932               | 16.678  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.446          | 62   | 94047               | 16.430  | ug/l   | 98       |
| 5) Bromomethane              | 2.846          | 94   | 67165               | 18.050  | ug/l   | 97       |
| 6) Chloroethane              | 3.010          | 64   | 67073               | 16.288  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.375          | 101  | 132842              | 18.241  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.828          | 74   | 60642               | 19.703  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.216          | 101  | 84259               | 18.775  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.422          | 142  | 108050              | 17.223  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.363          | 59   | 99576               | 103.879 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 4.187          | 96   | 77457               | 18.137  | ug/l   | 99       |
| 13) Acrolein                 | 4.046          | 56   | 96402               | 82.480  | ug/l   | 97       |
| 14) Allyl chloride           | 4.840          | 41   | 128537              | 18.543  | ug/l   | 94       |
| 15) Acrylonitrile            | 5.551          | 53   | 303339              | 108.870 | ug/l   | 99       |
| 16) Acetone                  | 4.287          | 43   | 229674              | 90.983  | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.534          | 76   | 153858              | 15.702  | ug/l   | 98       |
| 18) Methyl Acetate           | 4.857          | 43   | 128047              | 19.562  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 5.610          | 73   | 312173              | 19.676  | ug/l   | 98       |
| 20) Methylene Chloride       | 5.093          | 84   | 103068              | 19.371  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 5.593          | 96   | 83680               | 17.849  | ug/l   | 99       |
| 22) Diisopropyl ether        | 6.492          | 45   | 298833              | 19.803  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.428          | 43   | 1218416             | 101.534 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 6.387          | 63   | 173658              | 19.603  | ug/l   | 99       |
| 25) 2-Butanone               | 7.328          | 43   | 372506              | 102.360 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.322          | 77   | 137514              | 18.070  | ug/l   | 98       |
| 27) cis-1,2-Dichloroethene   | 7.322          | 96   | 111119              | 19.328  | ug/l   | 98       |
| 28) Bromochloromethane       | 7.651          | 49   | 67442               | 18.872  | ug/l   | 97       |
| 29) Tetrahydrofuran          | 7.681          | 42   | 248103              | 105.289 | ug/l   | 98       |
| 30) Chloroform               | 7.816          | 83   | 181261              | 19.378  | ug/l   | 96       |
| 31) Cyclohexane              | 8.092          | 56   | 142046              | 17.683  | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.010          | 97   | 150583              | 18.817  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 8.222          | 75   | 124853              | 18.468  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.410          | 43   | 150214              | 20.300  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.204          | 117  | 125583              | 18.954  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.457          | 83   | 144445              | 17.949  | ug/l   | 98       |
| 40) Benzene                  | 8.457          | 78   | 413826              | 19.377  | ug/l   | 100      |

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 ALS Vial : 5 Sample Multiplier: 1

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 ClientSampleId :  
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Quant Time: Apr 07 04:25:55 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) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.628  | 41   | 75552    | 20.852  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 8.528  | 62   | 136626   | 18.494  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.557  | 43   | 225909   | 18.355  | ug/l   | 99       |
| 44) Trichloroethene           | 9.210  | 130  | 101379   | 18.426  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.486  | 63   | 103962   | 19.486  | ug/l   | 92       |
| 46) Dibromomethane            | 9.575  | 93   | 69454    | 19.173  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.757  | 83   | 143501   | 20.125  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.557  | 41   | 99999    | 19.583  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.563  | 88   | 50610    | 409.618 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.328 | 43   | 739354   | 104.482 | ug/l   | 97       |
| 52) Toluene                   | 10.504 | 92   | 261533   | 19.373  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.716 | 75   | 142699   | 19.094  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 10.186 | 75   | 165725   | 20.070  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.892 | 97   | 111609   | 20.088  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.757 | 69   | 164441   | 20.747  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 11.039 | 76   | 185430   | 19.961  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.039 | 63   | 186152   | 88.076  | ug/l   | 100      |
| 59) 2-Hexanone                | 11.080 | 43   | 523773   | 105.130 | ug/l   | 97       |
| 60) Dibromochloromethane      | 11.233 | 129  | 113160   | 20.888  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 11.339 | 107  | 108369   | 19.815  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.975 | 164  | 87987    | 17.829  | ug/l   | 97       |
| 65) Chlorobenzene             | 11.763 | 112  | 286926   | 19.173  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.833 | 131  | 106858   | 19.789  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.839 | 91   | 483724   | 19.094  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.951 | 106  | 367895   | 37.796  | ug/l   | 100      |
| 69) o-Xylene                  | 12.274 | 106  | 187482   | 19.405  | ug/l   | 97       |
| 70) Styrene                   | 12.292 | 104  | 291690   | 19.926  | ug/l   | 99       |
| 71) Bromoform                 | 12.451 | 173  | 86233    | 20.970  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.574 | 105  | 473836   | 19.839  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.386 | 43   | 134892   | 19.712  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 12.822 | 83   | 169913   | 21.321  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.874 | 75   | 124075m  | 18.897  | ug/l   |          |
| 77) Bromobenzene              | 12.857 | 156  | 115425   | 19.278  | ug/l   | 99       |
| 78) n-propylbenzene           | 12.916 | 91   | 496196   | 19.750  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.004 | 91   | 320468   | 19.890  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.057 | 105  | 385237   | 20.357  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.621 | 75   | 42047    | 19.845  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 13.098 | 91   | 287124   | 19.225  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.321 | 119  | 344527   | 19.917  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.363 | 105  | 374224   | 20.268  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.498 | 105  | 448388   | 19.996  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.610 | 119  | 361527   | 20.220  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.610 | 146  | 184447   | 19.337  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.692 | 146  | 175394   | 18.847  | ug/l   | 97       |
| 89) n-Butylbenzene            | 13.939 | 91   | 242974   | 18.322  | ug/l   | 100      |
| 90) Hexachloroethane          | 14.204 | 117  | 69337    | 21.185  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.986 | 146  | 184594   | 19.712  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.598 | 75   | 26218    | 21.210  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.263 | 180  | 76879    | 18.418  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 15.363 | 225  | 51208    | 18.541  | ug/l   | 98       |
| 95) Naphthalene               | 15.504 | 128  | 195638   | 17.808  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.692 | 180  | 76331    | 19.039  | ug/l   | 98       |

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QLast Update : Thu Mar 31 01:57:54 2022  
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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