

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN102822\  
 Data File : VN075076.D  
 Acq On : 28 Oct 2022 21:24  
 Operator : JC\MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 10/31/2022  
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 31 03:10:44 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N102622W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 09:48:49 2022  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 8.230          | 168  | 100533              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 195501              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.865         | 117  | 184295              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 97712               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 70324               | 51.916  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 103.840% |         |        |          |
| 35) Dibromofluoromethane     | 8.171          | 113  | 58245               | 50.750  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 101.500% |         |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 234407              | 52.643  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 105.280% |         |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 87403               | 55.879  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 111.760% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.136          | 85   | 61873               | 47.310  | ug/l   | 95       |
| 3) Chloromethane             | 2.371          | 50   | 60859               | 43.810  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.524          | 62   | 93067               | 46.963  | ug/l   | 90       |
| 5) Bromomethane              | 2.912          | 94   | 61549               | 42.676  | ug/l   | 100      |
| 6) Chloroethane              | 3.083          | 64   | 65453               | 46.060  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.483          | 101  | 100011              | 49.402  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.971          | 74   | 37987               | 51.445  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 55017               | 49.210  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.589          | 142  | 81934               | 49.227  | ug/l   | 99       |
| 11) Tert butyl alcohol       | 5.553          | 59   | 78391               | 248.160 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 53027               | 49.759  | ug/l   | 95       |
| 13) Acrolein                 | 4.183          | 56   | 70664               | 273.489 | ug/l   | 97       |
| 14) Allyl chloride           | 5.030          | 41   | 77933               | 50.072  | ug/l   | 99       |
| 15) Acrylonitrile            | 5.730          | 53   | 168316              | 252.237 | ug/l   | 99       |
| 16) Acetone                  | 4.442          | 43   | 137578              | 239.869 | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.712          | 76   | 126797              | 47.314  | ug/l   | 100      |
| 18) Methyl Acetate           | 5.036          | 43   | 96000               | 51.241  | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.806          | 73   | 201630              | 50.906  | ug/l   | 99       |
| 20) Methylene Chloride       | 5.283          | 84   | 63320               | 49.514  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 57331               | 49.135  | ug/l   | 98       |
| 22) Diisopropyl ether        | 6.677          | 45   | 177294              | 51.617  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.612          | 43   | 724942m             | 252.750 | ug/l   |          |
| 24) 1,1-Dichloroethane       | 6.577          | 63   | 108108              | 49.766  | ug/l   | 99       |
| 25) 2-Butanone               | 7.489          | 43   | 219747              | 243.583 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 7.494          | 77   | 89904               | 44.987  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 71706               | 51.461  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.818          | 49   | 46903               | 51.219  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 7.841          | 42   | 146155              | 250.713 | ug/l   | 100      |
| 30) Chloroform               | 7.971          | 83   | 121466              | 51.500  | ug/l   | 97       |
| 31) Cyclohexane              | 8.259          | 56   | 98618               | 48.951  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 8.177          | 97   | 111372              | 51.998  | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.371          | 75   | 88045               | 49.552  | ug/l   | 99       |
| 37) Ethyl Acetate            | 7.571          | 43   | 90285               | 46.333  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 8.365          | 117  | 97690               | 49.982  | ug/l   | 98       |
| 39) Methylcyclohexane        | 9.600          | 83   | 111239              | 47.422  | ug/l   | 94       |
| 40) Benzene                  | 8.612          | 78   | 269569              | 49.549  | ug/l   | 99       |

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 ALS Vial : 26 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Thu Oct 27 09:48:49 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 46317    | 49.612  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 8.677  | 62   | 96572    | 48.791  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 8.694  | 43   | 146111   | 48.340  | ug/l   | 99       |
| 44) Trichloroethene           | 9.353  | 130  | 65278    | 47.826  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 65169    | 50.335  | ug/l   | 96       |
| 46) Dibromomethane            | 9.712  | 93   | 48542    | 48.124  | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.888  | 83   | 97232    | 49.777  | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.683  | 41   | 65360    | 47.141  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.700  | 88   | 35316    | 972.710 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 473169   | 242.593 | ug/l   | 99       |
| 52) Toluene                   | 10.635 | 92   | 182662   | 50.227  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.835 | 75   | 104434   | 50.652  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.312 | 75   | 106632   | 48.762  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 71936    | 49.886  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 110980   | 50.455  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 120044   | 49.989  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 229530   | 269.923 | ug/l   | 100      |
| 59) 2-Hexanone                | 11.200 | 43   | 364839   | 246.457 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.359 | 129  | 78050    | 51.303  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 76976    | 52.089  | ug/l   | 99       |
| 64) Tetrachloroethene         | 11.106 | 164  | 54384    | 48.132  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.894 | 112  | 193761   | 49.255  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 74268    | 50.893  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.965 | 91   | 356673   | 50.395  | ug/l   | 99       |
| 68) m/p-Xylenes               | 12.071 | 106  | 289001   | 101.767 | ug/l   | 99       |
| 69) o-Xylene                  | 12.400 | 106  | 143428   | 51.070  | ug/l   | 100      |
| 70) Styrene                   | 12.412 | 104  | 237308   | 52.994  | ug/l   | 99       |
| 71) Bromoform                 | 12.582 | 173  | 56652    | 51.852  | ug/l # | 98       |
| 73) Isopropylbenzene          | 12.700 | 105  | 370900   | 47.282  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 135624   | 46.746  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 118974   | 52.678  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 103271m  | 49.777  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 81579    | 47.230  | ug/l   | 96       |
| 78) n-propylbenzene           | 13.035 | 91   | 427409   | 48.529  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 258509   | 48.033  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 325859   | 49.457  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75   | 35428    | 43.835  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 13.129 | 91   | 258509   | 48.033  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.441 | 119  | 286275   | 48.898  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.482 | 105  | 332865   | 49.932  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.618 | 105  | 410511   | 50.124  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 342798   | 50.681  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 163254   | 48.273  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.812 | 146  | 164443   | 49.132  | ug/l   | 99       |
| 89) n-Butylbenzene            | 14.059 | 91   | 277758   | 50.995  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 60313    | 48.634  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 164359   | 48.886  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 14.718 | 75   | 25356    | 47.920  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.394 | 180  | 75221    | 51.992  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.500 | 225  | 32387    | 45.919  | ug/l   | 99       |
| 95) Naphthalene               | 15.641 | 128  | 290738   | 52.256  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.841 | 180  | 74526    | 51.844  | ug/l   | 99       |

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

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