

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN022423\  
 Data File : VN076803.D  
 Acq On : 24 Feb 2023 12:38  
 Operator : JC\MD  
 Sample : VN0224WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0224WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/27/2023  
 Supervised By : Mahesh Dadoda 02/27/2023

Quant Time: Feb 25 01:43:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021323W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 8.231          | 168  | 265495     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.107          | 114  | 471373     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.866         | 117  | 441263     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.795         | 152  | 206618     | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 172155     | 46.959  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 93.920% |        |          |
| 35) Dibromofluoromethane     | 8.172          | 113  | 129124     | 41.829  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 83.660% |        |          |
| 50) Toluene-d8               | 10.572         | 98   | 517560     | 44.895  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 89.780% |        |          |
| 62) 4-Bromofluorobenzene     | 12.854         | 95   | 176278     | 46.168  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 92.340% |        |          |
| Target Compounds             |                |      |            |         |        |          |
|                              |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.143          | 85   | 51334      | 18.209  | ug/l   | 95       |
| 3) Chloromethane             | 2.378          | 50   | 62938      | 17.112  | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.525          | 62   | 66970      | 18.501  | ug/l   | 97       |
| 5) Bromomethane              | 2.966          | 94   | 45054      | 20.541  | ug/l   | 87       |
| 6) Chloroethane              | 3.131          | 64   | 47825      | 20.906  | ug/l   | 92       |
| 7) Trichlorofluoromethane    | 3.513          | 101  | 87210      | 17.707  | ug/l   | 89       |
| 8) Diethyl Ether             | 3.972          | 74   | 37882      | 19.960  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.390          | 101  | 55415      | 19.148  | ug/l   | 99       |
| 10) Methyl Iodide            | 4.601          | 142  | 65814      | 18.415  | ug/l   | 97       |
| 11) Tert butyl alcohol       | 5.525          | 59   | 52472      | 108.433 | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 4.348          | 96   | 52249      | 19.066  | ug/l   | 95       |
| 13) Acrolein                 | 4.190          | 56   | 71420      | 98.307  | ug/l   | 99       |
| 14) Allyl chloride           | 5.042          | 41   | 87146      | 18.353  | ug/l   | 97       |
| 15) Acrylonitrile            | 5.737          | 53   | 179819     | 104.706 | ug/l   | 99       |
| 16) Acetone                  | 4.443          | 43   | 155989     | 95.255  | ug/l   | 95       |
| 17) Carbon Disulfide         | 4.725          | 76   | 118106     | 16.323  | ug/l # | 90       |
| 18) Methyl Acetate           | 5.042          | 43   | 115962     | 21.694  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.801          | 73   | 202168     | 21.882  | ug/l   | 96       |
| 20) Methylene Chloride       | 5.290          | 84   | 64730      | 18.860  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.801          | 96   | 55945      | 18.136  | ug/l # | 79       |
| 22) Diisopropyl ether        | 6.684          | 45   | 237621     | 21.336  | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.619          | 43   | 757815     | 115.006 | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 6.572          | 63   | 118397     | 19.398  | ug/l   | 95       |
| 25) 2-Butanone               | 7.495          | 43   | 254178     | 105.224 | ug/l   | 95       |
| 26) 2,2-Dichloropropane      | 7.495          | 77   | 86742      | 19.703  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 69273      | 18.933  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.819          | 49   | 61457      | 21.156  | ug/l   | 90       |
| 29) Tetrahydrofuran          | 7.842          | 42   | 159556     | 101.098 | ug/l   | 96       |
| 30) Chloroform               | 7.972          | 83   | 119795     | 19.644  | ug/l   | 98       |
| 31) Cyclohexane              | 8.266          | 56   | 105243     | 18.301  | ug/l   | 93       |
| 32) 1,1,1-Trichloroethane    | 8.172          | 97   | 99044      | 19.316  | ug/l   | 91       |
| 36) 1,1-Dichloropropene      | 8.372          | 75   | 85516      | 19.174  | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.572          | 43   | 97852      | 20.852  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 8.366          | 117  | 81507      | 18.116  | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.607          | 83   | 92838      | 18.312  | ug/l   | 93       |
| 40) Benzene                  | 8.613          | 78   | 265805     | 19.407  | ug/l   | 98       |

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0224WBSD01

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Quant Time: Feb 25 01:43:00 2023  
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 Quant Title : SW846 8260  
 QLast Update : Tue Feb 14 01:44:47 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.789  | 41   | 58934    | 21.679  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 8.678  | 62   | 98247    | 20.567  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.695  | 43   | 166397   | 21.791  | ug/l   | 99       |
| 44) Trichloroethene           | 9.360  | 130  | 61006    | 18.848  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.630  | 63   | 72848    | 20.092  | ug/l   | 100      |
| 46) Dibromomethane            | 9.707  | 93   | 47829    | 20.634  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.889  | 83   | 94620    | 20.360  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.683  | 41   | 78954    | 21.790  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 9.695  | 88   | 27404    | 437.210 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.448 | 43   | 549282   | 113.059 | ug/l   | 97       |
| 52) Toluene                   | 10.630 | 92   | 166635   | 20.151  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.836 | 75   | 97849    | 21.814  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 10.313 | 75   | 105226   | 20.337  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 11.019 | 97   | 71063    | 21.134  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 104256   | 22.027  | ug/l # | 92       |
| 57) 1,3-Dichloropropane       | 11.166 | 76   | 120665   | 20.887  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 10.160 | 63   | 221376   | 102.128 | ug/l   | 96       |
| 59) 2-Hexanone                | 11.195 | 43   | 392018   | 111.907 | ug/l   | 99       |
| 60) Dibromochloromethane      | 11.360 | 129  | 69764    | 19.686  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 66698    | 19.817  | ug/l   | 93       |
| 64) Tetrachloroethene         | 11.101 | 164  | 48139    | 17.311  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.895 | 112  | 177380   | 18.968  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.966 | 131  | 64604    | 19.019  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.966 | 91   | 315939   | 19.830  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 251398   | 40.937  | ug/l   | 96       |
| 69) o-Xylene                  | 12.401 | 106  | 121283   | 20.250  | ug/l   | 96       |
| 70) Styrene                   | 12.413 | 104  | 202225   | 20.880  | ug/l   | 99       |
| 71) Bromoform                 | 12.583 | 173  | 46533    | 18.676  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.695 | 105  | 313753   | 20.718  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.495 | 43   | 141268   | 20.695  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.936 | 83   | 107231   | 19.561  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.995 | 75   | 91486m   | 21.901  | ug/l   |          |
| 77) Bromobenzene              | 12.983 | 156  | 72176    | 19.102  | ug/l   | 92       |
| 78) n-propylbenzene           | 13.036 | 91   | 372967   | 20.973  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 13.130 | 91   | 219472   | 20.156  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 13.177 | 105  | 265160   | 21.186  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.736 | 75   | 33722    | 23.513  | ug/l # | 82       |
| 82) 4-Chlorotoluene           | 13.130 | 91   | 219472   | 20.156  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.442 | 119  | 235699   | 20.817  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.483 | 105  | 269855   | 21.634  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.618 | 105  | 335920   | 21.250  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.730 | 119  | 271999   | 21.548  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.736 | 146  | 140367   | 19.652  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.813 | 146  | 136479   | 19.188  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.060 | 91   | 230169   | 20.965  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.336 | 117  | 49978    | 18.910  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 14.107 | 146  | 141273   | 19.293  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.724 | 75   | 18264    | 17.197  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 15.395 | 180  | 67230    | 18.406  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.507 | 225  | 33085    | 18.481  | ug/l   | 95       |
| 95) Naphthalene               | 15.642 | 128  | 218205   | 19.687  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.842 | 180  | 66592    | 18.818  | ug/l   | 97       |

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Sample : VN0224WBSD01  
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ALS Vial : 6 Sample Multiplier: 1

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Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/27/2023  
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Quant Time: Feb 25 01:43:00 2023  
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Quant Title : SW846 8260  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

