

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN122923\  
 Data File : VN080607.D  
 Acq On : 29 Dec 2023 12:00  
 Operator : JC\MD  
 Sample : VN1229WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN1229WBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/01/2024  
 Supervised By :Mahesh Dadoda 01/01/2024

Quant Time: Dec 29 23:38:44 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N122723W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Dec 28 03:07:01 2023  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 8.224          | 168  | 478225     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 9.106          | 114  | 950966     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.871         | 117  | 756633     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.794         | 152  | 334227     | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.583          | 65   | 303057     | 49.404   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 98.800%  |        |          |
| 35) Dibromofluoromethane     | 8.165          | 113  | 248211     | 40.357   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 80.720%  |        |          |
| 50) Toluene-d8               | 10.571         | 98   | 1089285    | 50.725   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 101.440% |        |          |
| 62) 4-Bromofluorobenzene     | 12.853         | 95   | 351584     | 48.648   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = | 97.300%  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.124          | 85   | 95570      | 17.990   | ug/l   | 96       |
| 3) Chloromethane             | 2.359          | 50   | 123604     | 19.385   | ug/l   | 98       |
| 4) Vinyl Chloride            | 2.512          | 62   | 112112     | 18.965   | ug/l   | 96       |
| 5) Bromomethane              | 2.959          | 94   | 45826      | 20.399   | ug/l   | 92       |
| 6) Chloroethane              | 3.118          | 64   | 72333      | 19.598   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 3.495          | 101  | 178134     | 21.103   | ug/l   | 96       |
| 8) Diethyl Ether             | 3.959          | 74   | 55779      | 19.242   | ug/l   | 74       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 89494      | 19.422   | ug/l   | 97       |
| 10) Methyl Iodide            | 4.589          | 142  | 55206      | 17.341   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.524          | 59   | 78050      | 94.575   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 4.342          | 96   | 85213      | 19.280   | ug/l   | 93       |
| 13) Acrolein                 | 4.177          | 56   | 58726      | 62.938   | ug/l   | 97       |
| 14) Allyl chloride           | 5.024          | 41   | 142943     | 21.303   | ug/l   | 90       |
| 15) Acrylonitrile            | 5.712          | 53   | 231442     | 98.328   | ug/l   | 99       |
| 16) Acetone                  | 4.424          | 43   | 157332     | 94.352   | ug/l   | 94       |
| 17) Carbon Disulfide         | 4.706          | 76   | 205283     | 17.272   | ug/l   | 99       |
| 18) Methyl Acetate           | 5.018          | 43   | 209998     | 22.715   | ug/l # | 88       |
| 19) Methyl tert-butyl Ether  | 5.794          | 73   | 326174     | 20.498   | ug/l   | 95       |
| 20) Methylene Chloride       | 5.277          | 84   | 101378     | 19.054   | ug/l   | 90       |
| 21) trans-1,2-Dichloroethene | 5.789          | 96   | 108171     | 20.256   | ug/l   | 90       |
| 22) Diisopropyl ether        | 6.671          | 45   | 252228     | 16.923   | ug/l   | 93       |
| 23) Vinyl Acetate            | 6.600          | 43   | 636297     | 76.975   | ug/l # | 92       |
| 24) 1,1-Dichloroethane       | 6.565          | 63   | 158465     | 15.863   | ug/l   | 97       |
| 25) 2-Butanone               | 7.483          | 43   | 220207     | 70.656   | ug/l   | 88       |
| 26) 2,2-Dichloropropane      | 7.489          | 77   | 140232     | 16.126   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 7.489          | 96   | 102283     | 16.103   | ug/l   | 93       |
| 28) Bromochloromethane       | 7.812          | 49   | 59304      | 12.767   | ug/l   | 88       |
| 29) Tetrahydrofuran          | 7.841          | 42   | 150472     | 74.031   | ug/l   | 86       |
| 30) Chloroform               | 7.965          | 83   | 171327     | 17.082   | ug/l   | 93       |
| 31) Cyclohexane              | 8.259          | 56   | 126768     | 15.274   | ug/l   | 90       |
| 32) 1,1,1-Trichloroethane    | 8.171          | 97   | 151623     | 16.766   | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 8.377          | 75   | 126681     | 13.383   | ug/l   | 96       |
| 37) Ethyl Acetate            | 7.559          | 43   | 91554      | 12.818   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 8.359          | 117  | 131696     | 13.600   | ug/l   | 95       |
| 39) Methylcyclohexane        | 9.606          | 83   | 127274     | 16.393   | ug/l   | 91       |
| 40) Benzene                  | 8.606          | 78   | 403549     | 14.883   | ug/l   | 97       |

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 Quant Title : SW846 8260  
 QLast Update : Thu Dec 28 03:07:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.783  | 41   | 54071    | 12.276  | ug/l   | 92       |
| 42) 1,2-Dichloroethane        | 8.671  | 62   | 134964   | 15.389  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.688  | 43   | 180601   | 15.600  | ug/l   | 97       |
| 44) Trichloroethene           | 9.353  | 130  | 114399   | 16.191  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.624  | 63   | 120510   | 18.733  | ug/l   | 93       |
| 46) Dibromomethane            | 9.712  | 93   | 76733    | 17.728  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.888  | 83   | 153729   | 16.944  | ug/l   | 96       |
| 48) Methyl methacrylate       | 9.682  | 41   | 114266   | 17.776  | ug/l # | 82       |
| 49) 1,4-Dioxane               | 9.694  | 88   | 35035    | 341.000 | ug/l # | 84       |
| 51) 4-Methyl-2-Pentanone      | 10.447 | 43   | 579645   | 88.032  | ug/l   | 98       |
| 52) Toluene                   | 10.635 | 92   | 281834   | 18.726  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.841 | 75   | 154698   | 16.913  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.318 | 75   | 182966   | 17.874  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 11.018 | 97   | 101534   | 17.008  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.877 | 69   | 99362    | 16.992  | ug/l # | 83       |
| 57) 1,3-Dichloropropane       | 11.165 | 76   | 175923   | 17.392  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 10.165 | 63   | 320143   | 77.526  | ug/l   | 93       |
| 59) 2-Hexanone                | 11.200 | 43   | 424606   | 85.559  | ug/l   | 92       |
| 60) Dibromochloromethane      | 11.359 | 129  | 111529   | 16.777  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.471 | 107  | 102930   | 17.100  | ug/l   | 97       |
| 64) Tetrachloroethene         | 11.106 | 164  | 83867    | 16.588  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.894 | 112  | 270986   | 17.216  | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 11.965 | 131  | 104866   | 17.320  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.965 | 91   | 451640   | 17.163  | ug/l   | 98       |
| 68) m/p-Xylenes               | 12.071 | 106  | 345750   | 35.411  | ug/l   | 98       |
| 69) o-Xylene                  | 12.400 | 106  | 164578   | 17.162  | ug/l   | 98       |
| 70) Styrene                   | 12.412 | 104  | 246306   | 17.662  | ug/l   | 98       |
| 71) Bromoform                 | 12.582 | 173  | 70218    | 16.395  | ug/l # | 97       |
| 73) Isopropylbenzene          | 12.700 | 105  | 401318   | 17.543  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.494 | 43   | 145894   | 18.078  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 12.941 | 83   | 137742   | 17.448  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.994 | 75   | 127904m  | 17.792  | ug/l   |          |
| 77) Bromobenzene              | 12.982 | 156  | 106451   | 17.521  | ug/l   | 99       |
| 78) n-propylbenzene           | 13.041 | 91   | 461879   | 17.656  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 13.129 | 91   | 292111   | 17.104  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 13.176 | 105  | 335810   | 17.385  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.741 | 75   | 46920    | 17.680  | ug/l   | 89       |
| 82) 4-Chlorotoluene           | 13.223 | 91   | 300911   | 17.229  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 13.441 | 119  | 267951   | 16.598  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.488 | 105  | 341159   | 17.443  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.618 | 105  | 360795   | 16.888  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.729 | 119  | 316428   | 16.502  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.735 | 146  | 181282   | 16.556  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.818 | 146  | 182105   | 16.544  | ug/l   | 98       |
| 89) n-Butylbenzene            | 14.059 | 91   | 265644   | 16.638  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.335 | 117  | 53336    | 15.994  | ug/l   | 87       |
| 91) 1,2-Dichlorobenzene       | 14.106 | 146  | 172162   | 16.290  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.723 | 75   | 24473    | 15.020  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.400 | 180  | 90002    | 16.141  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.506 | 225  | 42072    | 14.621  | ug/l   | 99       |
| 95) Naphthalene               | 15.647 | 128  | 280491   | 16.163  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.847 | 180  | 91522    | 16.236  | ug/l   | 98       |

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Quant Time: Dec 29 23:38:44 2023  
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Quant Title : SW846 8260  
QLast Update : Thu Dec 28 03:07:01 2023  
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

