

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN012921\  
 Data File : VN065671.D  
 Acq On : 29 Jan 2021 12:20  
 Operator : JC/MD  
 Sample : VN0129WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0129WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 2/3/2021 9:45:15 AM

Quant Time: Jan 30 01:00:54 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N012521W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc   | Units | Dev(Min) |
|------------------------------|----------------|------|------------|--------|-------|----------|
| -----                        |                |      |            |        |       |          |
| Internal Standards           |                |      |            |        |       |          |
| 1) Pentafluorobenzene        | 7.624          | 168  | 150582     | 50.00  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.547          | 114  | 273875     | 50.00  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.376         | 117  | 239586     | 50.00  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.312         | 152  | 97085      | 50.00  | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |            |        |       |          |
| 33) 1,2-Dichloroethane-d4    | 7.987          | 65   | 93583      | 47.24  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 94.48% |       |          |
| 35) Dibromofluoromethane     | 7.550          | 113  | 78486      | 48.36  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 96.72% |       |          |
| 50) Toluene-d8               | 10.058         | 98   | 302403     | 47.40  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 94.80% |       |          |
| 62) 4-Bromofluorobenzene     | 12.370         | 95   | 107521     | 46.80  | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 93.60% |       |          |
| Target Compounds             |                |      |            |        |       |          |
|                              |                |      |            |        |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.837          | 85   | 31588      | 18.73  | ug/l  | 99       |
| 3) Chloromethane             | 2.036          | 50   | 49034      | 19.78  | ug/l  | 100      |
| 4) Vinyl Chloride            | 2.168          | 62   | 47863      | 19.07  | ug/l  | 98       |
| 5) Bromomethane              | 2.544          | 94   | 29267      | 20.14  | ug/l  | 97       |
| 6) Chloroethane              | 2.682          | 64   | 28487      | 19.62  | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 2.997          | 101  | 48817      | 18.60  | ug/l  | 99       |
| 8) Diethyl Ether             | 3.380          | 74   | 23947      | 19.14  | ug/l  | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 3.721          | 101  | 30192      | 18.96  | ug/l  | 94       |
| 10) Methyl Iodide            | 3.907          | 142  | 44925      | 19.25  | ug/l  | 97       |
| 11) Tert butyl alcohol       | 4.762          | 59   | 33486      | 90.24  | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 3.698          | 96   | 32621      | 17.80  | ug/l  | 92       |
| 13) Acrolein                 | 3.570          | 56   | 24874      | 90.04  | ug/l  | 97       |
| 14) Allyl chloride           | 4.277          | 41   | 64188      | 18.89  | ug/l  | 89       |
| 15) Acrylonitrile            | 4.939          | 53   | 93283      | 96.49  | ug/l  | 99       |
| 16) Acetone                  | 3.782          | 43   | 70259      | 91.10  | ug/l  | 97       |
| 17) Carbon Disulfide         | 4.007          | 76   | 94016      | 16.29  | ug/l  | 100      |
| 18) Methyl Acetate           | 4.283          | 43   | 42524      | 19.68  | ug/l  | 98       |
| 19) Methyl tert-butyl Ether  | 5.000          | 73   | 114371     | 18.69  | ug/l  | 96       |
| 20) Methylene Chloride       | 4.502          | 84   | 39652      | 18.57  | ug/l  | 98       |
| 21) trans-1,2-Dichloroethene | 4.984          | 96   | 35283      | 18.11  | ug/l  | 87       |
| 22) Diisopropyl ether        | 5.907          | 45   | 135337     | 19.48  | ug/l  | 98       |
| 23) Vinyl Acetate            | 5.846          | 43   | 527981     | 95.15  | ug/l  | 97       |
| 24) 1,1-Dichloroethane       | 5.795          | 63   | 71341      | 19.27  | ug/l  | 97       |
| 25) 2-Butanone               | 6.795          | 43   | 118056     | 97.63  | ug/l  | 95       |
| 26) 2,2-Dichloropropane      | 6.778          | 77   | 53440      | 18.03  | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 6.782          | 96   | 41705      | 18.68  | ug/l  | 90       |
| 28) Bromochloromethane       | 7.151          | 49   | 26617      | 17.11  | ug/l  | 82       |
| 29) Tetrahydrofuran          | 7.174          | 42   | 82677      | 94.26  | ug/l  | 95       |
| 30) Chloroform               | 7.328          | 83   | 65723      | 19.27  | ug/l  | 100      |
| 31) Cyclohexane              | 7.611          | 56   | 66058      | 17.73  | ug/l  | 93       |
| 32) 1,1,1-Trichloroethane    | 7.528          | 97   | 51062      | 18.39  | ug/l  | 98       |
| 36) 1,1-Dichloropropene      | 7.749          | 75   | 50618      | 18.37  | ug/l  | 97       |
| 37) Ethyl Acetate            | 6.888          | 43   | 53579      | 20.26  | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 7.730          | 117  | 42581      | 18.77  | ug/l  | 97       |
| 39) Methylcyclohexane        | 9.042          | 83   | 56905      | 16.92  | ug/l  | 95       |
| 40) Benzene                  | 8.000          | 78   | 161041     | 19.13  | ug/l  | 100      |

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 ALS Vial : 6 Sample Multiplier: 1

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 Quant Title : SW846 8260  
 QLast Update : Mon Jan 25 13:47:28 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.126  | 41   | 22726    | 16.01  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.084  | 62   | 49552    | 19.53  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.129  | 43   | 87442    | 18.65  | ug/l # | 91       |
| 44) Trichloroethene           | 8.801  | 130  | 37869    | 18.54  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.084  | 63   | 46205    | 19.95  | ug/l   | 99       |
| 46) Dibromomethane            | 9.171  | 93   | 24702    | 19.31  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.367  | 83   | 50252    | 18.31  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.164  | 41   | 41035    | 18.45  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 9.177  | 88   | 14172    | 393.77 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 9.952  | 43   | 253562   | 98.10  | ug/l   | 100      |
| 52) Toluene                   | 10.122 | 92   | 96078    | 19.27  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.351 | 75   | 57747    | 18.07  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.807  | 75   | 66639    | 18.72  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 10.531 | 97   | 37082    | 19.50  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.399 | 69   | 59603    | 18.96  | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 10.675 | 76   | 66024    | 19.73  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.659  | 63   | 132641   | 91.33  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.720 | 43   | 174260   | 97.11  | ug/l   | 99       |
| 60) Dibromochloromethane      | 10.872 | 129  | 35493    | 18.26  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 10.974 | 107  | 37144    | 19.60  | ug/l   | 100      |
| 64) Tetrachloroethene         | 10.598 | 164  | 36484    | 18.17  | ug/l   | 94       |
| 65) Chlorobenzene             | 11.402 | 112  | 96937    | 19.34  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.476 | 131  | 33670    | 19.00  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.479 | 91   | 176494   | 18.75  | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.592 | 106  | 130574   | 38.31  | ug/l   | 100      |
| 69) o-Xylene                  | 11.916 | 106  | 63458    | 19.21  | ug/l   | 99       |
| 70) Styrene                   | 11.933 | 104  | 102186   | 18.80  | ug/l   | 98       |
| 71) Bromoform                 | 12.097 | 173  | 21709    | 17.72  | ug/l # | 94       |
| 73) Isopropylbenzene          | 12.219 | 105  | 162297   | 19.09  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.042 | 43   | 69755    | 19.40  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.473 | 83   | 49507    | 19.72  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.524 | 75   | 44858m   | 17.67  | ug/l   |          |
| 77) Bromobenzene              | 12.495 | 156  | 36361    | 19.76  | ug/l   | 78       |
| 78) n-propylbenzene           | 12.560 | 91   | 182848   | 18.25  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.643 | 91   | 112302   | 18.87  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.704 | 105  | 135071   | 18.66  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.270 | 75   | 17279    | 17.43  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.743 | 91   | 114876   | 18.91  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 12.965 | 119  | 110879   | 18.37  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 13.010 | 105  | 135287   | 18.74  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 13.142 | 105  | 144834   | 17.78  | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.257 | 119  | 129949   | 18.06  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.254 | 146  | 62967    | 19.19  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.334 | 146  | 62715    | 18.84  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.585 | 91   | 110198   | 17.05  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.842 | 117  | 21281    | 16.91  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 13.624 | 146  | 62875    | 19.32  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.241 | 75   | 9163     | 18.39  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 14.878 | 180  | 29446    | 17.29  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 14.977 | 225  | 13623    | 17.07  | ug/l   | 99       |
| 95) Naphthalene               | 15.100 | 128  | 92390    | 17.13  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.280 | 180  | 30460    | 17.63  | 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

