

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN030121\  
 Data File : VN066072.D  
 Acq On : 1 Mar 2021 13:01  
 Operator : JC/MD  
 Sample : VN0301WBS02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0301WBS02

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2021 3:28:15 PM

Quant Time: Mar 01 21:40:27 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                        |                |      |                    |        |        |          |
| Internal Standards           |                |      |                    |        |        |          |
| 1) Pentafluorobenzene        | 7.624          | 168  | 116242             | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.547          | 114  | 192768             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.376         | 117  | 176694             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.315         | 152  | 81354              | 50.00  | ug/l   | 0.00     |
|                              |                |      |                    |        |        |          |
| System Monitoring Compounds  |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 7.987          | 65   | 90805              | 55.86  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 111.72% |        |        |          |
| 35) Dibromofluoromethane     | 7.547          | 113  | 65610              | 54.99  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 109.98% |        |        |          |
| 50) Toluene-d8               | 10.055         | 98   | 252201             | 51.50  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 103.00% |        |        |          |
| 62) 4-Bromofluorobenzene     | 12.373         | 95   | 95516              | 51.95  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 103.90% |        |        |          |
|                              |                |      |                    |        |        |          |
| Target Compounds             |                |      |                    |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.853          | 85   | 25323              | 16.64  | ug/l   | 98       |
| 3) Chloromethane             | 2.055          | 50   | 28741              | 15.07  | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.184          | 62   | 30200              | 16.08  | ug/l   | 99       |
| 5) Bromomethane              | 2.553          | 94   | 20052              | 17.43  | ug/l   | 93       |
| 6) Chloroethane              | 2.695          | 64   | 16833              | 15.88  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 3.007          | 101  | 45800              | 19.58  | ug/l   | 99       |
| 8) Diethyl Ether             | 3.386          | 74   | 14683              | 17.11  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.730          | 101  | 21720              | 17.56  | ug/l   | 98       |
| 10) Methyl Iodide            | 3.923          | 142  | 30462              | 15.77  | ug/l   | 93       |
| 11) Tert butyl alcohol       | 4.743          | 59   | 23118              | 102.28 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 3.714          | 96   | 22429              | 17.18  | ug/l   | 96       |
| 13) Acrolein                 | 3.579          | 56   | 13000              | 62.85  | ug/l   | 96       |
| 14) Allyl chloride           | 4.287          | 41   | 36870              | 16.54  | ug/l   | 98       |
| 15) Acrylonitrile            | 4.939          | 53   | 51037              | 81.43  | ug/l   | 98       |
| 16) Acetone                  | 3.785          | 43   | 56942              | 110.62 | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.023          | 76   | 60845              | 16.36  | ug/l   | 99       |
| 18) Methyl Acetate           | 4.290          | 43   | 24332              | 18.12  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 5.000          | 73   | 83926              | 19.98  | ug/l   | 99       |
| 20) Methylene Chloride       | 4.512          | 84   | 26889              | 17.84  | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 4.997          | 96   | 24933              | 18.17  | ug/l   | 97       |
| 22) Diisopropyl ether        | 5.904          | 45   | 72630              | 16.29  | ug/l   | 94       |
| 23) Vinyl Acetate            | 5.849          | 43   | 299210             | 85.56  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 5.801          | 63   | 44563              | 17.30  | ug/l   | 98       |
| 25) 2-Butanone               | 6.785          | 43   | 71160              | 88.44  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 6.778          | 77   | 45121              | 22.33  | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 6.782          | 96   | 29264              | 18.72  | ug/l   | 95       |
| 28) Bromochloromethane       | 7.151          | 49   | 25479              | 21.46  | ug/l   | 98       |
| 29) Tetrahydrofuran          | 7.167          | 42   | 43023              | 77.66  | ug/l   | 93       |
| 30) Chloroform               | 7.328          | 83   | 48390              | 19.02  | ug/l   | 99       |
| 31) Cyclohexane              | 7.611          | 56   | 38015              | 15.68  | ug/l # | 94       |
| 32) 1,1,1-Trichloroethane    | 7.528          | 97   | 45333              | 21.24  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 7.753          | 75   | 34634              | 18.22  | ug/l   | 99       |
| 37) Ethyl Acetate            | 6.884          | 43   | 28021              | 16.32  | ug/l   | 96       |
| 38) Carbon Tetrachloride     | 7.737          | 117  | 39152              | 22.16  | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.042          | 83   | 38838              | 18.18  | ug/l   | 99       |
| 40) Benzene                  | 8.000          | 78   | 104341             | 17.89  | ug/l   | 99       |

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 ALS Vial : 6 Sample Multiplier: 1

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Quant Time: Mar 01 21:40:27 2021  
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 Quant Title : SW846 8260  
 QLast Update : Wed Feb 17 15:48:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.135  | 41   | 14058m   | 16.92  | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.084  | 62   | 41236    | 21.52  | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.122  | 43   | 52196    | 19.08  | ug/l # | 92       |
| 44) Trichloroethene           | 8.801  | 130  | 28936    | 20.06  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.081  | 63   | 26642    | 17.84  | ug/l   | 99       |
| 46) Dibromomethane            | 9.174  | 93   | 17947    | 19.73  | ug/l   | 94       |
| 47) Bromodichloromethane      | 9.367  | 83   | 39791    | 21.48  | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.161  | 41   | 24567    | 17.72  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 9.161  | 88   | 9209     | 389.95 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 9.949  | 43   | 145928   | 87.67  | ug/l   | 100      |
| 52) Toluene                   | 10.119 | 92   | 68051    | 19.00  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.347 | 75   | 46677    | 21.55  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.804  | 75   | 47949    | 20.88  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.531 | 97   | 25427    | 18.97  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.396 | 69   | 37148    | 18.43  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 10.675 | 76   | 43544    | 18.43  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.659  | 63   | 30692    | 31.90  | ug/l   | 97       |
| 59) 2-Hexanone                | 10.717 | 43   | 100637   | 84.88  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.868 | 129  | 30497    | 22.26  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 10.974 | 107  | 26800    | 19.68  | ug/l   | 97       |
| 64) Tetrachloroethene         | 10.598 | 164  | 29328    | 21.50  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.402 | 112  | 73282    | 19.83  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.476 | 131  | 27664    | 21.80  | ug/l   | 99       |
| 67) Ethyl Benzene             | 11.479 | 91   | 130736   | 19.55  | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.592 | 106  | 100447   | 40.25  | ug/l   | 97       |
| 69) o-Xylene                  | 11.916 | 106  | 48620    | 20.21  | ug/l   | 96       |
| 70) Styrene                   | 11.932 | 104  | 78821    | 19.90  | ug/l   | 95       |
| 71) Bromoform                 | 12.100 | 173  | 18627    | 20.79  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.219 | 105  | 127314   | 19.17  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.042 | 43   | 35255    | 15.31  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 12.476 | 83   | 33703    | 17.20  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.524 | 75   | 35041m   | 17.93  | ug/l   |          |
| 77) Bromobenzene              | 12.495 | 156  | 29659    | 19.52  | ug/l   | 89       |
| 78) n-propylbenzene           | 12.563 | 91   | 138919   | 18.40  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.643 | 91   | 87424    | 18.47  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.704 | 105  | 111114   | 19.70  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.273 | 75   | 10487    | 17.10  | ug/l # | 91       |
| 82) 4-Chlorotoluene           | 12.743 | 91   | 88651    | 18.55  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 12.965 | 119  | 90983    | 19.52  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.010 | 105  | 109978   | 19.42  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 13.141 | 105  | 113962   | 18.83  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.260 | 119  | 110411   | 20.10  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.254 | 146  | 53839    | 20.02  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.334 | 146  | 54483    | 19.84  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.585 | 91   | 88332    | 19.07  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.842 | 117  | 15885    | 17.08  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 13.624 | 146  | 53668    | 19.90  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.241 | 75   | 9033     | 23.85  | ug/l   | 74       |
| 93) 1,2,4-Trichlorobenzene    | 14.878 | 180  | 30612    | 22.47  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 14.977 | 225  | 13301    | 21.25  | ug/l   | 98       |
| 95) Naphthalene               | 15.100 | 128  | 90194    | 21.00  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.280 | 180  | 29598    | 21.66  | ug/l   | 98       |

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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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