

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN020421\  
 Data File : VN065711.D  
 Acq On : 4 Feb 2021 12:33  
 Operator : JC/MD  
 Sample : VN0204WBS01  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0204WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 2/5/2021 10:49:18 AM

Quant Time: Feb 05 02:14:57 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        | 7.621          | 168  | 151624            | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.547          | 114  | 265526            | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 11.376         | 117  | 233999            | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.312         | 152  | 100491            | 50.00 | ug/l  | 0.00     |
| System Monitoring Compounds  |                |      |                   |       |       |          |
| 33) 1,2-Dichloroethane-d4    | 7.984          | 65   | 86650             | 43.44 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = 86.88% |       |       |          |
| 35) Dibromofluoromethane     | 7.544          | 113  | 74442             | 47.31 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = 94.62% |       |       |          |
| 50) Toluene-d8               | 10.055         | 98   | 289136            | 46.75 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = 93.50% |       |       |          |
| 62) 4-Bromofluorobenzene     | 12.373         | 95   | 105523            | 47.38 | ug/l  | 0.00     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = 94.76% |       |       |          |
| Target Compounds             |                |      |                   |       |       |          |
|                              |                |      |                   |       |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.836          | 85   | 31204             | 18.37 | ug/l  | 97       |
| 3) Chloromethane             | 2.036          | 50   | 45974             | 18.42 | ug/l  | 99       |
| 4) Vinyl Chloride            | 2.168          | 62   | 45183             | 17.88 | ug/l  | 99       |
| 5) Bromomethane              | 2.541          | 94   | 28754             | 19.65 | ug/l  | 99       |
| 6) Chloroethane              | 2.679          | 64   | 26904             | 18.40 | ug/l  | 98       |
| 7) Trichlorofluoromethane    | 2.994          | 101  | 47825             | 18.10 | ug/l  | 99       |
| 8) Diethyl Ether             | 3.380          | 74   | 22793             | 18.10 | ug/l  | 91       |
| 9) 1,1,2-Trichlorotrifluo... | 3.714          | 101  | 30274             | 18.88 | ug/l  | 96       |
| 10) Methyl Iodide            | 3.904          | 142  | 43037             | 18.31 | ug/l  | 96       |
| 11) Tert butyl alcohol       | 4.759          | 59   | 30566             | 81.80 | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 3.695          | 96   | 31512             | 17.07 | ug/l  | 97       |
| 13) Acrolein                 | 3.569          | 56   | 20070             | 75.74 | ug/l  | 96       |
| 14) Allyl chloride           | 4.277          | 41   | 60196             | 17.59 | ug/l  | 89       |
| 15) Acrylonitrile            | 4.936          | 53   | 85033             | 87.36 | ug/l  | 98       |
| 16) Acetone                  | 3.782          | 43   | 65253             | 84.03 | ug/l  | 97       |
| 17) Carbon Disulfide         | 4.004          | 76   | 90727             | 15.61 | ug/l  | 99       |
| 18) Methyl Acetate           | 4.286          | 43   | 38649             | 17.76 | ug/l  | 96       |
| 19) Methyl tert-butyl Ether  | 5.000          | 73   | 108766            | 17.65 | ug/l  | 96       |
| 20) Methylene Chloride       | 4.499          | 84   | 38309             | 17.82 | ug/l  | 97       |
| 21) trans-1,2-Dichloroethene | 4.984          | 96   | 34332             | 17.50 | ug/l  | 90       |
| 22) Diisopropyl ether        | 5.907          | 45   | 127029            | 18.16 | ug/l  | 96       |
| 23) Vinyl Acetate            | 5.843          | 43   | 482343            | 86.33 | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 5.794          | 63   | 68947             | 18.49 | ug/l  | 97       |
| 25) 2-Butanone               | 6.794          | 43   | 105733            | 86.83 | ug/l  | 93       |
| 26) 2,2-Dichloropropane      | 6.772          | 77   | 51694             | 17.32 | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene   | 6.775          | 96   | 41414             | 18.42 | ug/l  | 94       |
| 28) Bromochloromethane       | 7.148          | 49   | 26132             | 16.68 | ug/l  | 85       |
| 29) Tetrahydrofuran          | 7.171          | 42   | 74893             | 84.80 | ug/l  | 95       |
| 30) Chloroform               | 7.328          | 83   | 62844             | 18.30 | ug/l  | 99       |
| 31) Cyclohexane              | 7.608          | 56   | 63815             | 17.01 | ug/l  | 95       |
| 32) 1,1,1-Trichloroethane    | 7.524          | 97   | 49973             | 17.88 | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 7.749          | 75   | 49342             | 18.47 | ug/l  | 98       |
| 37) Ethyl Acetate            | 6.888          | 43   | 46510             | 18.14 | ug/l  | 97       |
| 38) Carbon Tetrachloride     | 7.727          | 117  | 39853             | 18.12 | ug/l  | 98       |
| 39) Methylcyclohexane        | 9.042          | 83   | 56431             | 17.31 | ug/l  | 95       |
| 40) Benzene                  | 8.000          | 78   | 156806            | 19.22 | ug/l  | 99       |

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|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.129  | 41   | 21704    | 15.77  | ug/l # | 100      |
| 42) 1,2-Dichloroethane        | 8.084  | 62   | 47444    | 19.29  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.126  | 43   | 78935    | 17.37  | ug/l   | 93       |
| 44) Trichloroethene           | 8.798  | 130  | 38593    | 19.49  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 9.081  | 63   | 43833    | 19.52  | ug/l   | 98       |
| 46) Dibromomethane            | 9.171  | 93   | 24143    | 19.47  | ug/l   | 91       |
| 47) Bromodichloromethane      | 9.367  | 83   | 47762    | 17.95  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.167  | 41   | 36870    | 17.10  | ug/l   | 93       |
| 49) 1,4-Dioxane               | 9.171  | 88   | 13372    | 383.23 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 9.952  | 43   | 227589   | 90.82  | ug/l   | 99       |
| 52) Toluene                   | 10.122 | 92   | 92591    | 19.16  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.347 | 75   | 54548    | 17.61  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 9.804  | 75   | 63886    | 18.51  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 10.531 | 97   | 36421    | 19.76  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.396 | 69   | 55485    | 18.20  | ug/l   | 95       |
| 57) 1,3-Dichloropropane       | 10.672 | 76   | 64043    | 19.74  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.659  | 63   | 115952   | 82.35  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.720 | 43   | 154513   | 88.82  | ug/l   | 98       |
| 60) Dibromochloromethane      | 10.868 | 129  | 34537    | 18.33  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 10.974 | 107  | 35455    | 19.30  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.598 | 164  | 38019    | 19.39  | ug/l   | 98       |
| 65) Chlorobenzene             | 11.402 | 112  | 95078    | 19.42  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 11.476 | 131  | 32608    | 18.84  | ug/l   | 97       |
| 67) Ethyl Benzene             | 11.479 | 91   | 172546   | 18.76  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.592 | 106  | 128669   | 38.65  | ug/l   | 100      |
| 69) o-Xylene                  | 11.916 | 106  | 61956    | 19.20  | ug/l   | 97       |
| 70) Styrene                   | 11.932 | 104  | 101941   | 19.20  | ug/l   | 98       |
| 71) Bromoform                 | 12.096 | 173  | 21385    | 17.88  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.219 | 105  | 163086   | 18.54  | ug/l   | 100      |
| 74) N-amyl acetate            | 12.039 | 43   | 62442    | 16.78  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.473 | 83   | 47412    | 18.24  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.524 | 75   | 46588m   | 17.73  | ug/l   |          |
| 77) Bromobenzene              | 12.495 | 156  | 36589    | 19.21  | ug/l   | 81       |
| 78) n-propylbenzene           | 12.559 | 91   | 186493   | 17.99  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 12.643 | 91   | 112845   | 18.32  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.704 | 105  | 137516   | 18.36  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.270 | 75   | 15610    | 15.22  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.743 | 91   | 112874   | 17.95  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 12.965 | 119  | 111941   | 17.92  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 13.010 | 105  | 138150   | 18.49  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.141 | 105  | 150436   | 17.84  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.257 | 119  | 132658   | 17.81  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.254 | 146  | 64428    | 18.97  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.331 | 146  | 64357    | 18.67  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.585 | 91   | 114815   | 17.16  | ug/l   | 99       |
| 90) Hexachloroethane          | 13.842 | 117  | 21874    | 16.79  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.624 | 146  | 64918    | 19.27  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.241 | 75   | 8367     | 16.23  | ug/l   | 88       |
| 93) 1,2,4-Trichlorobenzene    | 14.878 | 180  | 31395    | 17.71  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.977 | 225  | 14924    | 18.05  | ug/l   | 100      |
| 95) Naphthalene               | 15.100 | 128  | 92680    | 16.70  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 15.280 | 180  | 31872    | 17.79  | ug/l   | 99       |

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

