

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070221\  
 Data File : VN067604.D  
 Acq On : 2 Jul 2021 9:16  
 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

MMDadoda  
 7/7/2021 8:50:55 AM

Quant Time: Jul 02 11:34:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 11:33:53 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 8.086  | 168   | 411815   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.968  | 114   | 740298   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.749 | 117   | 687323   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.677 | 152   | 242169   | 50.000   | ug/l   | 0.00     |
|                              |        |       |          |          |        |          |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 0.000  | 65    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 0.000%#  |
| 35) Dibromofluoromethane     | 0.000  | 113   | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 0.000%#  |
| 50) Toluene-d8               | 0.000  | 98    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 0.000%#  |
| 62) 4-Bromofluorobenzene     | 0.000  | 95    | 0d       | 0.000    | ug/l   |          |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 0.000%#  |
|                              |        |       |          |          |        |          |
| Target Compounds             |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.073  | 85    | 3802     | 0.888    | ug/l   | 99       |
| 3) Chloromethane             | 2.301  | 50    | 6037     | 1.150    | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.445  | 62    | 8437     | 1.167    | ug/l   | 95       |
| 6) Chloroethane              | 3.019  | 64    | 7526     | 1.465    | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.373  | 101   | 17010    | 1.297    | ug/l   | 93       |
| 8) Diethyl Ether             | 3.810  | 74    | 2876     | 0.924    | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 4.215  | 101   | 3672m    | 0.909    | ug/l   |          |
| 12) 1,1-Dichloroethene       | 4.175  | 96    | 3172m    | 0.801    | ug/l   |          |
| 14) Allyl chloride           | 4.838  | 41    | 5478     | 0.834    | ug/l # | 73       |
| 15) Acrylonitrile            | 5.564  | 53    | 8964     | 4.127    | ug/l # | 91       |
| 16) Acetone                  | 4.293  | 43    | 12051    | 6.424    | ug/l   | 96       |
| 17) Carbon Disulfide         | 4.527  | 76    | 9035     | 0.809    | ug/l # | 94       |
| 18) Methyl Acetate           | 4.878  | 43    | 4999m    | 1.000    | ug/l   |          |
| 19) Methyl tert-butyl Ether  | 5.626  | 73    | 12004    | 0.784    | ug/l   | 94       |
| 20) Methylene Chloride       | 5.090  | 84    | 5112m    | 0.963    | ug/l   |          |
| 21) trans-1,2-Dichloroethene | 5.583  | 96    | 3672     | 0.814    | ug/l   | 87       |
| 22) Diisopropyl ether        | 6.506  | 45    | 12159    | 0.838    | ug/l   | 96       |
| 23) Vinyl Acetate            | 6.439  | 43    | 49193    | 4.037    | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 6.393  | 63    | 7145     | 0.858    | ug/l # | 85       |
| 25) 2-Butanone               | 7.348  | 43    | 13159    | 4.487    | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 7.327  | 77    | 7217m    | 0.940    | ug/l   |          |
| 27) cis-1,2-Dichloroethene   | 7.324  | 96    | 4320     | 0.787    | ug/l   | 94       |
| 28) Bromochloromethane       | 7.664  | 49    | 3272m    | 0.829    | ug/l   |          |
| 29) Tetrahydrofuran          | 7.694  | 42    | 9033     | 4.625    | ug/l   | 97       |
| 30) Chloroform               | 7.828  | 83    | 8357     | 0.907    | ug/l   | 86       |
| 32) 1,1,1-Trichloroethane    | 8.016  | 97    | 5848     | 0.702    | ug/l # | 46       |
| 36) 1,1-Dichloropropene      | 8.220  | 75    | 6269     | 0.928    | ug/l # | 58       |
| 37) Ethyl Acetate            | 7.420  | 43    | 6496m    | 1.043    | ug/l   |          |
| 38) Carbon Tetrachloride     | 8.212  | 117   | 5465     | 0.763    | ug/l   | 91       |
| 39) Methylcyclohexane        | 9.459  | 83    | 6159     | 0.766    | ug/l # | 85       |
| 40) Benzene                  | 8.461  | 78    | 16383    | 0.801    | ug/l   | 95       |
| 41) Methacrylonitrile        | 7.646  | 41    | 2853     | 0.922    | ug/l # | 84       |
| 42) 1,2-Dichloroethane       | 8.533  | 62    | 6518     | 0.912    | ug/l   | 96       |
| 43) Isopropyl Acetate        | 8.563  | 43    | 9855     | 0.918    | ug/l # | 95       |
| 44) Trichloroethene          | 9.217  | 130   | 3996     | 0.759    | ug/l   | 83       |
| 45) 1,2-Dichloropropane      | 9.494  | 63    | 4353     | 0.853    | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN070221\  
 Data File : VN067604.D  
 Acq On : 2 Jul 2021 9:16  
 Operator : JC/MD  
 Sample : VSTDIC001  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC001

Manual Integrations  
 APPROVED

MMDadoda  
 7/7/2021 8:50:55 AM

Quant Time: Jul 02 11:34:15 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N070221W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 02 11:33:53 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 9.579  | 93   | 2834     | 0.776  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.764  | 83   | 5452     | 0.758  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.561  | 41   | 4808     | 1.020  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 9.571  | 88   | 1407     | 15.735 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 10.336 | 43   | 26789    | 4.109  | ug/l   | 97       |
| 52) Toluene                   | 10.510 | 92   | 10229    | 0.761  | ug/l   | 94       |
| 53) t-1,3-Dichloropropene     | 10.722 | 75   | 4742     | 0.619  | ug/l # | 88       |
| 54) cis-1,3-Dichloropropene   | 10.191 | 75   | 6071     | 0.746  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 10.899 | 97   | 4048     | 0.779  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 10.759 | 69   | 5655     | 0.713  | ug/l # | 80       |
| 57) 1,3-Dichloropropane       | 11.046 | 76   | 7303     | 0.861  | ug/l   | 97       |
| 58) 2-Chloroethyl Vinyl ether | 10.046 | 63   | 4049     | 2.601  | ug/l # | 88       |
| 59) 2-Hexanone                | 11.089 | 43   | 18692    | 4.052  | ug/l   | 95       |
| 60) Dibromochloromethane      | 11.242 | 129  | 3281     | 0.597  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.355 | 107  | 3840     | 0.718  | ug/l   | 94       |
| 64) Tetrachloroethene         | 10.979 | 164  | 4181     | 0.870  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.773 | 112  | 11775    | 0.832  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.846 | 131  | 3456     | 0.682  | ug/l # | 66       |
| 67) Ethyl Benzene             | 11.848 | 91   | 19098    | 0.743  | ug/l   | 91       |
| 68) m/p-Xylenes               | 11.961 | 106  | 13876    | 1.397  | ug/l   | 96       |
| 69) o-Xylene                  | 12.283 | 106  | 7126     | 0.727  | ug/l   | 87       |
| 70) Styrene                   | 12.299 | 104  | 9894     | 0.623  | ug/l   | 93       |
| 71) Bromoform                 | 12.457 | 173  | 2007     | 0.563  | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.581 | 105  | 17855    | 0.877  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.393 | 43   | 5729     | 0.849  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.833 | 83   | 5249     | 0.911  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.884 | 75   | 4650m    | 0.969  | ug/l   |          |
| 77) Bromobenzene              | 12.862 | 156  | 3998     | 0.888  | ug/l   | 81       |
| 78) n-propylbenzene           | 12.924 | 91   | 19272    | 0.848  | ug/l   | 97       |
| 79) 2-Chlorotoluene           | 13.010 | 91   | 12610    | 0.906  | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 13.063 | 105  | 13592    | 0.814  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 13.109 | 91   | 11434    | 0.840  | ug/l   | 92       |
| 83) tert-Butylbenzene         | 13.329 | 119  | 11518    | 0.798  | ug/l   | 87       |
| 84) 1,2,4-Trimethylbenzene    | 13.372 | 105  | 12630    | 0.768  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.506 | 105  | 15728    | 0.794  | ug/l   | 93       |
| 86) p-Isopropyltoluene        | 13.618 | 119  | 11697    | 0.736  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.618 | 146  | 6647     | 0.794  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.702 | 146  | 6801m    | 0.820  | ug/l   |          |
| 89) n-Butylbenzene            | 13.946 | 91   | 9661     | 0.733  | ug/l   | 91       |
| 90) Hexachloroethane          | 14.217 | 117  | 1610     | 0.579  | ug/l   | 89       |
| 91) 1,2-Dichlorobenzene       | 13.991 | 146  | 6916     | 0.866  | ug/l   | 93       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.605 | 75   | 721      | 0.716  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 15.268 | 180  | 2689     | 0.784  | ug/l   | 87       |
| 94) Hexachlorobutadiene       | 15.378 | 225  | 1393m    | 0.923  | ug/l   |          |
| 95) Naphthalene               | 15.515 | 128  | 6221     | 0.576  | ug/l # | 94       |
| 96) 1,2,3-Trichlorobenzene    | 15.710 | 180  | 2159     | 0.644  | ug/l   | 97       |

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

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