

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN042721\  
 Data File : VN066773.D  
 Acq On : 27 Apr 2021 11:15  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

MMDadoda  
 4/28/2021 2:38:33 PM

Quant Time: Apr 27 12:45:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 12:43:41 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 7.591          | 168  | 304392     | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.516          | 114  | 504984     | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.349         | 117  | 437350     | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.288         | 152  | 182738     | 50.00   | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 7.953          | 65   | 21357      | 5.68    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 61 - 141 |      | Recovery = | 11.36%# |        |          |
| 35) Dibromofluoromethane     | 7.516          | 113  | 16288      | 5.16    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 69 - 133 |      | Recovery = | 10.32%# |        |          |
| 50) Toluene-d8               | 10.029         | 98   | 64453      | 5.25    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 65 - 126 |      | Recovery = | 10.50%# |        |          |
| 62) 4-Bromofluorobenzene     | 12.354         | 95   | 19213      | 4.59    | ug/l   | 0.01     |
| Spiked Amount 50.000         | Range 58 - 135 |      | Recovery = | 9.18%#  |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.836          | 85   | 18117      | 5.30    | ug/l   | 98       |
| 3) Chloromethane             | 2.037          | 50   | 23787      | 4.94    | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.163          | 62   | 22964      | 5.31    | ug/l   | 100      |
| 5) Bromomethane              | 2.506          | 94   | 15422      | 6.21    | ug/l   | 97       |
| 6) Chloroethane              | 2.654          | 64   | 14928      | 5.82    | ug/l   | 96       |
| 7) Trichlorofluoromethane    | 2.967          | 101  | 28188      | 5.95    | ug/l   | 97       |
| 8) Diethyl Ether             | 3.354          | 74   | 11056      | 5.51    | ug/l   | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 3.694          | 101  | 16681      | 5.66    | ug/l   | 98       |
| 10) Methyl Iodide            | 3.882          | 142  | 23159      | 5.01    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 4.708          | 59   | 16881      | 33.99   | ug/l   | 97       |
| 12) 1,1-Dichloroethene       | 3.673          | 96   | 16720      | 5.61    | ug/l   | 97       |
| 13) Acrolein                 | 3.549          | 56   | 16076      | 30.96   | ug/l   | 97       |
| 14) Allyl chloride           | 4.244          | 41   | 30690      | 5.41    | ug/l   | 97       |
| 15) Acrylonitrile            | 4.896          | 53   | 42043      | 26.03   | ug/l   | 99       |
| 16) Acetone                  | 3.753          | 43   | 36694      | 26.02   | ug/l   | 97       |
| 17) Carbon Disulfide         | 3.981          | 76   | 50277      | 5.29    | ug/l   | 99       |
| 18) Methyl Acetate           | 4.252          | 43   | 23615      | 6.07    | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 4.952          | 73   | 54620      | 5.59    | ug/l   | 99       |
| 20) Methylene Chloride       | 4.472          | 84   | 21066      | 5.09    | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 4.949          | 96   | 17756      | 5.44    | ug/l   | 95       |
| 22) Diisopropyl ether        | 5.861          | 45   | 60453      | 5.26    | ug/l # | 82       |
| 23) Vinyl Acetate            | 5.805          | 43   | 245479     | 26.32   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 5.757          | 63   | 35059      | 5.47    | ug/l   | 98       |
| 25) 2-Butanone               | 6.752          | 43   | 53249      | 26.42   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 6.736          | 77   | 28942      | 5.48    | ug/l # | 75       |
| 27) cis-1,2-Dichloroethene   | 6.738          | 96   | 20497      | 5.42    | ug/l   | 95       |
| 28) Bromochloromethane       | 7.114          | 49   | 15377      | 5.14    | ug/l # | 90       |
| 29) Tetrahydrofuran          | 7.127          | 42   | 37054      | 26.71   | ug/l   | 96       |
| 30) Chloroform               | 7.291          | 83   | 33760      | 5.61    | ug/l   | 95       |
| 31) Cyclohexane              | 7.580          | 56   | 35464      | 5.86    | ug/l # | 88       |
| 32) 1,1,1-Trichloroethane    | 7.489          | 97   | 27755      | 5.50    | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 7.717          | 75   | 23928      | 5.11    | ug/l   | 98       |
| 37) Ethyl Acetate            | 6.845          | 43   | 23416      | 4.72    | ug/l # | 79       |
| 38) Carbon Tetrachloride     | 7.696          | 117  | 24068      | 5.38    | ug/l   | 97       |
| 39) Methylcyclohexane        | 9.015          | 83   | 27763      | 5.00    | ug/l   | 92       |
| 40) Benzene                  | 7.967          | 78   | 76476      | 5.10    | ug/l   | 99       |

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 Data File : VN066773.D  
 Acq On : 27 Apr 2021 11:15  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
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MMDadoda  
 4/28/2021 2:38:33 PM

Quant Time: Apr 27 12:45:14 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 27 12:43:41 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.106  | 41   | 12144m   | 5.51   | ug/l   |          |
| 42) 1,2-Dichloroethane        | 8.050  | 62   | 25865    | 5.34   | ug/l   | 87       |
| 43) Isopropyl Acetate         | 8.095  | 43   | 41927    | 5.31   | ug/l # | 87       |
| 44) Trichloroethene           | 8.768  | 130  | 18915    | 5.28   | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 9.050  | 63   | 20460    | 5.03   | ug/l   | 100      |
| 46) Dibromomethane            | 9.144  | 93   | 12329    | 5.15   | ug/l   | 99       |
| 47) Bromodichloromethane      | 9.337  | 83   | 26202    | 5.21   | ug/l   | 98       |
| 48) Methyl methacrylate       | 9.136  | 41   | 16172    | 4.67   | ug/l   | 94       |
| 49) 1,4-Dioxane               | 9.139  | 88   | 4906     | 111.98 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 9.922  | 43   | 107983   | 24.46  | ug/l   | 96       |
| 52) Toluene                   | 10.093 | 92   | 44793    | 5.08   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.324 | 75   | 26181    | 4.92   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 9.777  | 75   | 29401    | 4.87   | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 10.504 | 97   | 17507    | 5.01   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.375 | 69   | 20925    | 4.62   | ug/l   | 91       |
| 57) 1,3-Dichloropropane       | 10.649 | 76   | 29456    | 5.01   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 9.635  | 63   | 23070    | 29.23  | ug/l   | 95       |
| 59) 2-Hexanone                | 10.699 | 43   | 51361    | 19.97  | ug/l   | 100      |
| 60) Dibromochloromethane      | 10.842 | 129  | 18450    | 4.95   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 10.946 | 107  | 17071    | 4.95   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.568 | 164  | 15296    | 5.00   | ug/l   | 98       |
| 65) Chlorobenzene             | 11.375 | 112  | 46689    | 5.26   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.450 | 131  | 17375    | 5.38   | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.456 | 91   | 77447    | 5.07   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.566 | 106  | 56771    | 9.99   | ug/l   | 98       |
| 69) o-Xylene                  | 11.893 | 106  | 29304    | 5.23   | ug/l   | 95       |
| 70) Styrene                   | 11.914 | 104  | 36540    | 4.28   | ug/l   | 93       |
| 71) Bromoform                 | 12.078 | 173  | 11647    | 4.76   | ug/l # | 100      |
| 73) Isopropylbenzene          | 12.196 | 105  | 71852    | 5.48   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 12.451 | 83   | 24856    | 5.61   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 12.502 | 75   | 19663m   | 4.98   | ug/l   |          |
| 77) Bromobenzene              | 12.475 | 156  | 17196    | 5.11   | ug/l   | 84       |
| 78) n-propylbenzene           | 12.539 | 91   | 75751    | 5.20   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 12.620 | 91   | 51305    | 5.74   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.679 | 105  | 59999    | 5.41   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.266 | 75   | 3989     | 3.52   | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 12.722 | 91   | 47786    | 5.36   | ug/l   | 94       |
| 83) tert-Butylbenzene         | 12.939 | 119  | 51818    | 5.24   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 12.987 | 105  | 54290    | 5.12   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 13.116 | 105  | 64784    | 5.21   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.234 | 119  | 54086    | 5.22   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.231 | 146  | 27954    | 4.94   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 13.309 | 146  | 29723    | 4.90   | ug/l   | 95       |
| 89) n-Butylbenzene            | 13.569 | 91   | 42482    | 4.58   | ug/l   | 97       |
| 90) Hexachloroethane          | 13.816 | 117  | 12412    | 5.39   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.604 | 146  | 30395    | 5.25   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.232 | 75   | 5189m    | 6.52   | ug/l   |          |
| 93) 1,2,4-Trichlorobenzene    | 14.862 | 180  | 15379    | 4.25   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.948 | 225  | 9425     | 5.27   | ug/l   | 96       |
| 95) Naphthalene               | 15.079 | 128  | 38973    | 3.98   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.256 | 180  | 15726    | 4.42   | ug/l   | 96       |

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Operator : JC/MD  
Sample : VSTDIC005  
Misc : 5.00mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDIC005

Manual Integrations  
APPROVED

MMDadoda  
4/28/2021 2:38:33 PM

Quant Time: Apr 27 12:45:14 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N042721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 27 12:43:41 2021  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

