

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX030221\  
 Data File : VX020960.D  
 Acq On : 02 Mar 2021 01:19  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2021 3:29:03 PM

Quant Time: Mar 02 01:45:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.629  | 168   | 182593   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.829  | 114   | 322442   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.094 | 117   | 297219   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.059 | 152   | 134522   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.029  | 65    | 121749   | 49.36    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 98.72%   |
| 35) Dibromofluoromethane     | 5.458  | 113   | 100548   | 51.32    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 102.64%  |
| 50) Toluene-d8               | 8.694  | 98    | 383633   | 50.22    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 100.44%  |
| 62) 4-Bromofluorobenzene     | 11.118 | 95    | 141857   | 50.22    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 100.44%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.187  | 85    | 95221    | 48.23    | ug/l   | 100      |
| 3) Chloromethane             | 1.311  | 50    | 110597   | 50.42    | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.393  | 62    | 124728   | 49.39    | ug/l   | 99       |
| 5) Bromomethane              | 1.623  | 94    | 44726    | 53.46    | ug/l   | 99       |
| 6) Chloroethane              | 1.705  | 64    | 82065    | 51.94    | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.917  | 101   | 162461   | 50.96    | ug/l   | 99       |
| 8) Diethyl Ether             | 2.170  | 74    | 74402    | 50.30    | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.364  | 101   | 95674    | 48.71    | ug/l   | 98       |
| 10) Methyl Iodide            | 2.487  | 142   | 145125   | 54.99    | ug/l   | 97       |
| 11) Tert butyl alcohol       | 3.011  | 59    | 119628   | 217.81   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.358  | 96    | 101514   | 49.67    | ug/l   | 93       |
| 13) Acrolein                 | 2.270  | 56    | 91883    | 270.17   | ug/l   | 96       |
| 14) Allyl chloride           | 2.705  | 41    | 156798   | 46.95    | ug/l   | 99       |
| 15) Acrylonitrile            | 3.111  | 53    | 285312   | 243.46   | ug/l   | 99       |
| 16) Acetone                  | 2.417  | 43    | 223575   | 220.00   | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.552  | 76    | 286479   | 49.20    | ug/l   | 99       |
| 18) Methyl Acetate           | 2.746  | 43    | 112161   | 46.66    | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.164  | 73    | 360615   | 49.40    | ug/l   | 99       |
| 20) Methylene Chloride       | 2.834  | 84    | 120358   | 49.37    | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.140  | 96    | 115029   | 50.11    | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.823  | 45    | 332501   | 49.51    | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.782  | 43    | 1405541  | 244.77   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.670  | 63    | 196094   | 49.58    | ug/l   | 98       |
| 25) 2-Butanone               | 4.629  | 43    | 358881   | 232.46   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.552  | 77    | 150645   | 41.94    | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.564  | 96    | 133646   | 50.53    | ug/l   | 95       |
| 28) Bromochloromethane       | 4.982  | 49    | 83215    | 49.18    | ug/l   | 95       |
| 29) Tetrahydrofuran          | 5.082  | 42    | 232006   | 234.13   | ug/l   | 98       |
| 30) Chloroform               | 5.176  | 83    | 208080   | 52.22    | ug/l   | 99       |
| 31) Cyclohexane              | 5.547  | 56    | 172455   | 48.29    | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.458  | 97    | 174909   | 50.40    | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.764  | 75    | 155782   | 50.83    | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.788  | 43    | 142569   | 48.90    | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.758  | 117   | 149014   | 50.18    | ug/l   | 93       |
| 39) Methylcyclohexane        | 7.441  | 83    | 183721   | 47.81    | ug/l   | 99       |
| 40) Benzene                  | 6.111  | 78    | 474343   | 51.64    | ug/l   | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 3/2/2021 3:29:03 PM

Quant Time: Mar 02 01:45:02 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Feb 24 13:50:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 41) Methacrylonitrile         | 4.999  | 41   | 80635    | 49.17  | ug/l  | 99       |
| 42) 1,2-Dichloroethane        | 6.158  | 62   | 159207   | 52.13  | ug/l  | 98       |
| 43) Isopropyl Acetate         | 6.411  | 43   | 242114   | 48.82  | ug/l  | 100      |
| 44) Trichloroethene           | 7.188  | 130  | 128937   | 53.38  | ug/l  | 93       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 118278   | 51.37  | ug/l  | 99       |
| 46) Dibromomethane            | 7.635  | 93   | 82926    | 53.49  | ug/l  | 98       |
| 47) Bromodichloromethane      | 7.876  | 83   | 170274   | 52.74  | ug/l  | 99       |
| 48) Methyl methacrylate       | 7.747  | 41   | 122981   | 49.43  | ug/l  | 99       |
| 49) 1,4-Dioxane               | 7.712  | 88   | 56675    | 975.90 | ug/l  | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.618  | 43   | 712275   | 246.65 | ug/l  | 99       |
| 52) Toluene                   | 8.765  | 92   | 307303   | 53.71  | ug/l  | 97       |
| 53) t-1,3-Dichloropropene     | 9.024  | 75   | 183343   | 50.64  | ug/l  | 99       |
| 54) cis-1,3-Dichloropropene   | 8.412  | 75   | 199300   | 50.24  | ug/l  | 98       |
| 55) 1,1,2-Trichloroethane     | 9.194  | 97   | 121543   | 53.77  | ug/l  | 97       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 185049   | 50.57  | ug/l  | 99       |
| 57) 1,3-Dichloropropane       | 9.353  | 76   | 203137   | 52.38  | ug/l  | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.288  | 63   | 461475   | 257.90 | ug/l  | 97       |
| 59) 2-Hexanone                | 9.471  | 43   | 525313   | 242.46 | ug/l  | 99       |
| 60) Dibromochloromethane      | 9.565  | 129  | 127852   | 53.59  | ug/l  | 99       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 129491   | 54.64  | ug/l  | 98       |
| 64) Tetrachloroethene         | 9.312  | 164  | 109812   | 51.19  | ug/l  | 97       |
| 65) Chlorobenzene             | 10.118 | 112  | 316932   | 50.65  | ug/l  | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.206 | 131  | 117698   | 50.98  | ug/l  | 98       |
| 67) Ethyl Benzene             | 10.235 | 91   | 574337   | 50.61  | ug/l  | 99       |
| 68) m/p-Xylenes               | 10.341 | 106  | 425818   | 101.97 | ug/l  | 100      |
| 69) o-Xylene                  | 10.683 | 106  | 204906   | 50.27  | ug/l  | 100      |
| 70) Styrene                   | 10.694 | 104  | 356095   | 50.93  | ug/l  | 99       |
| 71) Bromoform                 | 10.841 | 173  | 88776    | 49.77  | ug/l  | 96       |
| 73) Isopropylbenzene          | 11.000 | 105  | 551250   | 51.89  | ug/l  | 99       |
| 74) N-amyl acetate            | 10.883 | 43   | 201454   | 46.82  | ug/l  | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.253 | 83   | 168247   | 49.12  | ug/l  | 100      |
| 76) 1,2,3-Trichloropropane    | 11.277 | 75   | 142730m  | 49.32  | ug/l  |          |
| 77) Bromobenzene              | 11.236 | 156  | 135561   | 54.82  | ug/l  | 94       |
| 78) n-propylbenzene           | 11.341 | 91   | 620027   | 51.17  | ug/l  | 99       |
| 79) 2-Chlorotoluene           | 11.406 | 91   | 366628   | 49.94  | ug/l  | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.489 | 105  | 448152   | 50.68  | ug/l  | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.059 | 75   | 56733    | 43.40  | ug/l  | 98       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 426724   | 50.42  | ug/l  | 99       |
| 83) tert-Butylbenzene         | 11.753 | 119  | 430757   | 50.08  | ug/l  | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.789 | 105  | 451180   | 50.27  | ug/l  | 98       |
| 85) sec-Butylbenzene          | 11.930 | 105  | 512301   | 50.54  | ug/l  | 99       |
| 86) p-Isopropyltoluene        | 12.047 | 119  | 461753   | 49.70  | ug/l  | 99       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 226225   | 51.12  | ug/l  | 99       |
| 88) 1,4-Dichlorobenzene       | 12.083 | 146  | 236750   | 52.51  | ug/l  | 98       |
| 89) n-Butylbenzene            | 12.371 | 91   | 405130   | 48.85  | ug/l  | 98       |
| 90) Hexachloroethane          | 12.577 | 117  | 84887    | 47.86  | ug/l  | 94       |
| 91) 1,2-Dichlorobenzene       | 12.371 | 146  | 210232   | 48.66  | ug/l  | 94       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.983 | 75   | 36113    | 46.05  | ug/l  | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.630 | 180  | 139115   | 50.20  | ug/l  | 96       |
| 94) Hexachlorobutadiene       | 13.765 | 225  | 54149    | 48.79  | ug/l  | 98       |
| 95) Naphthalene               | 13.818 | 128  | 519921   | 52.71  | ug/l  | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.001 | 180  | 148189   | 53.85  | ug/l  | 100      |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

MMDadoda  
3/2/2021 3:29:03 PM

Quant Time: Mar 02 01:45:02 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022421W.M  
Quant Title : SW846 8260  
QLast Update : Wed Feb 24 13:50:55 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

