

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011321\  
 Data File : VX020586.D  
 Acq On : 13 Jan 2021 11:37  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/15/2021 10:05:28 AM

Quant Time: Jan 13 14:19:34 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X011121W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 11 15:05:37 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.623  | 168   | 192844   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.824  | 114   | 279623   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.091 | 117   | 238818   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.060 | 152   | 130802   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.025  | 65    | 107238   | 46.30    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 92.60%   |
| 35) Dibromofluoromethane     | 5.458  | 113   | 94134    | 48.59    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 97.18%   |
| 50) Toluene-d8               | 8.695  | 98    | 341231   | 49.22    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 98.44%   |
| 62) 4-Bromofluorobenzene     | 11.122 | 95    | 117878   | 48.15    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 96.30%   |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.184  | 85    | 97274    | 51.13    | ug/l   | 100      |
| 3) Chloromethane             | 1.312  | 50    | 85089    | 48.34    | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.392  | 62    | 98027    | 48.56    | ug/l   | 99       |
| 5) Bromomethane              | 1.635  | 94    | 60228    | 44.18    | ug/l   | 95       |
| 6) Chloroethane              | 1.709  | 64    | 64664    | 53.33    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.916  | 101   | 165123   | 49.40    | ug/l   | 96       |
| 8) Diethyl Ether             | 2.166  | 74    | 56639    | 47.55    | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 2.367  | 101   | 94854    | 50.57    | ug/l   | 96       |
| 10) Methyl Iodide            | 2.489  | 142   | 125249   | 47.88    | ug/l   | 97       |
| 11) Tert butyl alcohol       | 3.019  | 59    | 85039    | 199.38   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.355  | 96    | 88159    | 47.88    | ug/l   | 94       |
| 13) Acrolein                 | 2.270  | 56    | 68599    | 213.67   | ug/l   | 99       |
| 14) Allyl chloride           | 2.702  | 41    | 116759   | 45.64    | ug/l   | 95       |
| 15) Acrylonitrile            | 3.111  | 53    | 235062   | 239.00   | ug/l   | 99       |
| 16) Acetone                  | 2.416  | 43    | 207300   | 262.09   | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.550  | 76    | 240087   | 47.30    | ug/l   | 100      |
| 18) Methyl Acetate           | 2.745  | 43    | 94950    | 46.27    | ug/l   | 94       |
| 19) Methyl tert-butyl Ether  | 3.160  | 73    | 289831   | 48.53    | ug/l   | 97       |
| 20) Methylene Chloride       | 2.830  | 84    | 101893   | 46.56    | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.141  | 96    | 100940   | 48.81    | ug/l   | 91       |
| 22) Diisopropyl ether        | 3.818  | 45    | 253204   | 49.02    | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.781  | 43    | 1073884  | 243.60   | ug/l   | 96       |
| 24) 1,1-Dichloroethane       | 3.666  | 63    | 162964   | 47.51    | ug/l   | 99       |
| 25) 2-Butanone               | 4.629  | 43    | 303339   | 242.31   | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.543  | 77    | 148320   | 46.49    | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.562  | 96    | 111780   | 48.44    | ug/l   | 93       |
| 28) Bromochloromethane       | 4.976  | 49    | 63592    | 45.53    | ug/l   | 83       |
| 29) Tetrahydrofuran          | 5.080  | 42    | 187095   | 245.36   | ug/l   | 94       |
| 30) Chloroform               | 5.165  | 83    | 182816   | 47.66    | ug/l   | 98       |
| 31) Cyclohexane              | 5.543  | 56    | 134631   | 49.46    | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.458  | 97    | 165120   | 47.86    | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.763  | 75    | 132376   | 51.81    | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.787  | 43    | 113010   | 48.70    | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.745  | 117   | 148497   | 49.81    | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.439  | 83    | 153257   | 52.52    | ug/l   | 95       |
| 40) Benzene                  | 6.104  | 78    | 393246   | 51.21    | ug/l   | 99       |

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 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

MMDadoda  
 1/15/2021 10:05:28 AM

Quant Time: Jan 13 14:19:34 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X011121W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jan 11 15:05:37 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.995  | 41   | 61424    | 50.57   | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.153  | 62   | 138770   | 50.69   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.403  | 43   | 176302   | 49.00   | ug/l   | 98       |
| 44) Trichloroethene           | 7.183  | 130  | 112910   | 49.48   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 95712    | 50.81   | ug/l   | 98       |
| 46) Dibromomethane            | 7.634  | 93   | 71669    | 50.11   | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.872  | 83   | 146828   | 50.29   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.744  | 41   | 89230    | 51.02   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.732  | 88   | 45121    | 1023.42 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 8.616  | 43   | 576221   | 258.23  | ug/l   | 98       |
| 52) Toluene                   | 8.762  | 92   | 255088   | 52.24   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 9.018  | 75   | 149011   | 50.12   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.409  | 75   | 162287   | 50.97   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.195  | 97   | 108598   | 52.64   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 143428   | 53.62   | ug/l   | 94       |
| 57) 1,3-Dichloropropane       | 9.348  | 76   | 153792   | 45.87   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.287  | 63   | 345317   | 246.67  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.469  | 43   | 386141   | 230.83  | ug/l   | 93       |
| 60) Dibromochloromethane      | 9.561  | 129  | 105167   | 45.13   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.652  | 107  | 100943   | 45.86   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.317  | 164  | 109174   | 50.61   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.116 | 112  | 251909   | 50.12   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.201 | 131  | 96525    | 50.31   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.232 | 91   | 438040   | 52.94   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.341 | 106  | 343806   | 107.81  | ug/l   | 98       |
| 69) o-Xylene                  | 10.683 | 106  | 156507   | 53.27   | ug/l   | 100      |
| 70) Styrene                   | 10.695 | 104  | 277084   | 55.25   | ug/l   | 98       |
| 71) Bromoform                 | 10.841 | 173  | 80362    | 51.62   | ug/l # | 100      |
| 73) Isopropylbenzene          | 11.000 | 105  | 440536   | 49.95   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.878 | 43   | 123987   | 40.08   | ug/l   | 92       |
| 75) 1,1,2,2-Tetrachloroethane | 11.250 | 83   | 136534   | 47.53   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.280 | 75   | 131652m  | 47.78   | ug/l   |          |
| 77) Bromobenzene              | 11.237 | 156  | 112989   | 47.82   | ug/l   | 93       |
| 78) n-propylbenzene           | 11.341 | 91   | 501115   | 51.41   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.402 | 91   | 299552   | 49.81   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.487 | 105  | 383206   | 51.86   | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.055 | 75   | 45017    | 44.51   | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.493 | 91   | 354863   | 49.73   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.756 | 119  | 358393   | 50.49   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.792 | 105  | 396690   | 53.70   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.926 | 105  | 428799   | 51.77   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.048 | 119  | 411502   | 53.50   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 207736   | 48.11   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.079 | 146  | 209844   | 47.40   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.371 | 91   | 351741   | 52.84   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.579 | 117  | 75465    | 52.02   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.371 | 146  | 206246   | 48.37   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.981 | 75   | 35050    | 51.97   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.627 | 180  | 149355   | 52.54   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.761 | 225  | 72445    | 49.93   | ug/l   | 99       |
| 95) Naphthalene               | 13.816 | 128  | 467189   | 48.41   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.999 | 180  | 151716   | 52.48   | ug/l   | 97       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

MMDadoda  
1/15/2021 10:05:28 AM

Quant Time: Jan 13 14:19:34 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X011121W.M  
Quant Title : SW846 8260  
QLast Update : Mon Jan 11 15:05:37 2021  
Response via : Initial Calibration

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

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

