

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX011321\  
 Data File : VX020590.D  
 Acq On : 13 Jan 2021 13:39  
 Operator : JC/MD  
 Sample : VX0113WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0113WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 1/15/2021 1:23:27 PM

Quant Time: Jan 13 14:21:37 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        | 5.629  | 168   | 174022   | 50.00    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.824  | 114   | 258048   | 50.00    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.092 | 117   | 240349   | 50.00    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.061 | 152   | 125966   | 50.00    | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 6.025  | 65    | 103661   | 49.59    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 61 - 141 | Recovery | =      | 99.18%   |
| 35) Dibromofluoromethane     | 5.458  | 113   | 88957    | 49.75    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 69 - 133 | Recovery | =      | 99.50%   |
| 50) Toluene-d8               | 8.695  | 98    | 321505   | 50.25    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 65 - 126 | Recovery | =      | 100.50%  |
| 62) 4-Bromofluorobenzene     | 11.122 | 95    | 114869   | 50.84    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 135 | Recovery | =      | 101.68%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.185  | 85    | 30225    | 17.61    | ug/l   | 100      |
| 3) Chloromethane             | 1.313  | 50    | 28383    | 17.87    | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.392  | 62    | 33590    | 18.44    | ug/l   | 99       |
| 5) Bromomethane              | 1.630  | 94    | 20289    | 16.49    | ug/l   | 100      |
| 6) Chloroethane              | 1.709  | 64    | 22907    | 18.75    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.910  | 101   | 60391    | 20.02    | ug/l   | 96       |
| 8) Diethyl Ether             | 2.166  | 74    | 21307    | 19.82    | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.361  | 101   | 35274    | 20.84    | ug/l   | 98       |
| 10) Methyl Iodide            | 2.489  | 142   | 44358    | 18.79    | ug/l   | 97       |
| 11) Tert butyl alcohol       | 3.038  | 59    | 36652    | 94.04    | ug/l # | 73       |
| 12) 1,1-Dichloroethene       | 2.355  | 96    | 32347    | 19.47    | ug/l   | 93       |
| 13) Acrolein                 | 2.270  | 56    | 23706    | 81.82    | ug/l   | 98       |
| 14) Allyl chloride           | 2.703  | 41    | 43990    | 19.06    | ug/l   | 97       |
| 15) Acrylonitrile            | 3.111  | 53    | 93463    | 105.31   | ug/l   | 99       |
| 16) Acetone                  | 2.416  | 43    | 77292    | 105.94   | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.550  | 76    | 76118    | 16.62    | ug/l   | 99       |
| 18) Methyl Acetate           | 2.745  | 43    | 38120    | 20.59    | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.160  | 73    | 112580   | 20.89    | ug/l   | 94       |
| 20) Methylene Chloride       | 2.831  | 84    | 39243    | 19.87    | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.142  | 96    | 35895    | 19.23    | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.818  | 45    | 99036    | 21.25    | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.782  | 43    | 407293   | 102.38   | ug/l   | 97       |
| 24) 1,1-Dichloroethane       | 3.666  | 63    | 63320    | 20.46    | ug/l   | 99       |
| 25) 2-Butanone               | 4.629  | 43    | 116420   | 103.06   | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.550  | 77    | 56155    | 19.50    | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.562  | 96    | 42947    | 20.62    | ug/l   | 94       |
| 28) Bromochloromethane       | 4.977  | 49    | 22421    | 17.79    | ug/l   | 84       |
| 29) Tetrahydrofuran          | 5.086  | 42    | 72984    | 106.06   | ug/l   | 94       |
| 30) Chloroform               | 5.172  | 83    | 71732    | 20.72    | ug/l   | 97       |
| 31) Cyclohexane              | 5.544  | 56    | 46346    | 18.87    | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.458  | 97    | 63424    | 20.37    | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.763  | 75    | 47634    | 20.20    | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.788  | 43    | 45081    | 21.05    | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.751  | 117   | 56527    | 20.55    | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.440  | 83    | 51708    | 19.20    | ug/l   | 99       |
| 40) Benzene                  | 6.111  | 78    | 148086   | 20.90    | ug/l   | 99       |

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 Operator : JC/MD  
 Sample : VX0113WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0113WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 1/15/2021 1:23:27 PM

Quant Time: Jan 13 14:21:37 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   | 23876    | 21.30  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.153  | 62   | 54845    | 21.71  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.409  | 43   | 70027    | 21.09  | ug/l   | 99       |
| 44) Trichloroethene           | 7.184  | 130  | 43353    | 20.59  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.488  | 63   | 37034    | 21.30  | ug/l   | 97       |
| 46) Dibromomethane            | 7.635  | 93   | 27689    | 20.98  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.872  | 83   | 56669    | 21.03  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.744  | 41   | 34108    | 21.13  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.726  | 88   | 18179    | 446.80 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.616  | 43   | 228368   | 110.90 | ug/l   | 99       |
| 52) Toluene                   | 8.763  | 92   | 95167    | 21.12  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 9.019  | 75   | 55144    | 20.10  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.409  | 75   | 60408    | 20.56  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.195  | 97   | 40624    | 21.34  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.159  | 69   | 50477    | 20.45  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.348  | 76   | 66633    | 21.54  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.287  | 63   | 115023   | 91.95  | ug/l   | 95       |
| 59) 2-Hexanone                | 9.470  | 43   | 172223   | 111.56 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.561  | 129  | 44835    | 20.85  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.653  | 107  | 44068    | 21.70  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.317  | 164  | 43434    | 20.01  | ug/l   | 95       |
| 65) Chlorobenzene             | 10.116 | 112  | 105687   | 20.89  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.201 | 131  | 41098    | 21.28  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.232 | 91   | 174144   | 20.91  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.342 | 106  | 137000   | 42.69  | ug/l   | 99       |
| 69) o-Xylene                  | 10.683 | 106  | 62408    | 21.11  | ug/l   | 100      |
| 70) Styrene                   | 10.695 | 104  | 110349   | 21.86  | ug/l   | 99       |
| 71) Bromoform                 | 10.835 | 173  | 33136    | 21.15  | ug/l # | 99       |
| 73) Isopropylbenzene          | 11.000 | 105  | 174336   | 20.53  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.878 | 43   | 52058    | 18.17  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 11.250 | 83   | 60847    | 22.00  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.280 | 75   | 56875m   | 21.43  | ug/l   |          |
| 77) Bromobenzene              | 11.238 | 156  | 48439    | 21.29  | ug/l   | 90       |
| 78) n-propylbenzene           | 11.341 | 91   | 200357   | 21.34  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.402 | 91   | 121347   | 20.95  | ug/l   | 97       |
| 80) 1,3,5-Trimethylbenzene    | 11.488 | 105  | 151550   | 21.30  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.055 | 75   | 17574    | 18.04  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.494 | 91   | 141807   | 20.63  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.756 | 119  | 140211   | 20.51  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.792 | 105  | 151819   | 21.34  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.927 | 105  | 165870   | 20.79  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.049 | 119  | 157273   | 21.23  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 12.006 | 146  | 81976    | 19.71  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.079 | 146  | 88071    | 20.66  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.372 | 91   | 127483   | 19.89  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.579 | 117  | 26969    | 19.30  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.372 | 146  | 86312    | 21.02  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.981 | 75   | 13535    | 20.84  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.628 | 180  | 55137    | 20.14  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.762 | 225  | 26599    | 19.57  | ug/l   | 94       |
| 95) Naphthalene               | 13.817 | 128  | 166945   | 20.38  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.999 | 180  | 56051    | 20.13  | ug/l   | 97       |

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Sample : VX0113WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0113WBSD01

Manual Integrations  
APPROVED

MMDadoda  
1/15/2021 1:23:27 PM

Quant Time: Jan 13 14:21:37 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

