

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU021821\  
 Data File : VU042349.D  
 Acq On : 18 Feb 2021 14:20  
 Operator : SY/MD  
 Sample : MDL012  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL012

Manual Integrations  
 APPROVED

MMDadoda  
 2/19/2021 2:46:35 PM

Quant Time: Feb 19 10:58:22 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 19 10:36:46 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|--------|------|----------|-------|---------|----------|
| -----                        |        |      |          |       |         |          |
| Internal Standards           |        |      |          |       |         |          |
| 1) Pentafluorobenzene        | 5.382  | 168  | 127693   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.256  | 114  | 197673   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 9.423  | 117  | 182555   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.819 | 152  | 89329    | 50.00 | ug/l    | 0.00     |
|                              |        |      |          |       |         |          |
| System Monitoring Compounds  |        |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4    | 5.710  | 65   | 102003   | 52.67 | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 105.34% |          |
| 35) Dibromofluoromethane     | 5.298  | 113  | 70101    | 50.24 | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 100.48% |          |
| 50) Toluene-d8               | 7.906  | 98   | 247724   | 49.57 | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 99.14%  |          |
| 62) 4-Bromofluorobenzene     | 10.639 | 95   | 91405    | 46.41 | ug/l    | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 92.82%  |          |
|                              |        |      |          |       |         |          |
| Target Compounds             |        |      |          |       | Qvalue  |          |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 3741     | 2.43  | ug/l    | 93       |
| 3) Chloromethane             | 1.523  | 50   | 4376     | 2.78  | ug/l    | 97       |
| 4) Vinyl Chloride            | 1.607  | 62   | 4206     | 2.79  | ug/l    | 94       |
| 5) Bromomethane              | 1.864  | 94   | 2894     | 3.12  | ug/l    | 99       |
| 6) Chloroethane              | 1.938  | 64   | 2825     | 3.26  | ug/l #  | 87       |
| 7) Trichlorofluoromethane    | 2.141  | 101  | 6391     | 2.77  | ug/l    | 92       |
| 8) Diethyl Ether             | 2.385  | 74   | 1999     | 2.72  | ug/l    | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 2.588  | 101  | 3292     | 2.73  | ug/l    | 98       |
| 10) Methyl Iodide            | 2.726  | 142  | 3863     | 2.24  | ug/l    | 96       |
| 11) Tert butyl alcohol       | 3.269  | 59   | 8509m    | 20.57 | ug/l    |          |
| 12) 1,1-Dichloroethene       | 2.588  | 96   | 3181     | 2.70  | ug/l    | 86       |
| 13) Acrolein                 | 2.498  | 56   | 3958     | 15.62 | ug/l    | 93       |
| 14) Allyl chloride           | 2.932  | 41   | 6788     | 2.60  | ug/l    | 99       |
| 15) Acrylonitrile            | 3.330  | 53   | 13583    | 13.59 | ug/l    | 99       |
| 16) Acetone                  | 2.649  | 43   | 14557    | 12.12 | ug/l    | 99       |
| 17) Carbon Disulfide         | 2.800  | 76   | 8749     | 2.47  | ug/l    | 99       |
| 18) Methyl Acetate           | 2.961  | 43   | 5932     | 2.72  | ug/l    | 98       |
| 19) Methyl tert-butyl Ether  | 3.375  | 73   | 11909    | 2.67  | ug/l    | 94       |
| 20) Methylene Chloride       | 3.054  | 84   | 3865     | 2.79  | ug/l    | 93       |
| 21) trans-1,2-Dichloroethene | 3.366  | 96   | 3557     | 2.82  | ug/l    | 84       |
| 22) Diisopropyl ether        | 3.999  | 45   | 13367    | 2.70  | ug/l #  | 66       |
| 23) Vinyl Acetate            | 3.967  | 43   | 61444    | 13.06 | ug/l    | 99       |
| 24) 1,1-Dichloroethane       | 3.877  | 63   | 7198     | 2.80  | ug/l    | 98       |
| 25) 2-Butanone               | 4.726  | 43   | 20269    | 12.69 | ug/l    | 95       |
| 26) 2,2-Dichloropropane      | 4.674  | 77   | 6149     | 2.64  | ug/l    | 92       |
| 27) cis-1,2-Dichloroethene   | 4.681  | 96   | 4004     | 2.74  | ug/l    | 98       |
| 28) Bromochloromethane       | 4.986  | 49   | 3417     | 2.57  | ug/l #  | 91       |
| 29) Tetrahydrofuran          | 5.067  | 42   | 13784    | 13.88 | ug/l    | 98       |
| 30) Chloroform               | 5.102  | 83   | 6911     | 2.65  | ug/l    | 99       |
| 31) Cyclohexane              | 5.391  | 56   | 9739     | 3.84  | ug/l #  | 79       |
| 32) 1,1,1-Trichloroethane    | 5.327  | 97   | 6395     | 2.69  | ug/l    | 92       |
| 36) 1,1-Dichloropropene      | 5.536  | 75   | 5102     | 2.61  | ug/l    | 98       |
| 37) Ethyl Acetate            | 4.816  | 43   | 7819     | 2.57  | ug/l #  | 93       |
| 38) Carbon Tetrachloride     | 5.533  | 117  | 5071     | 2.43  | ug/l    | 95       |
| 39) Methylcyclohexane        | 6.768  | 83   | 5438     | 2.41  | ug/l    | 96       |
| 40) Benzene                  | 5.784  | 78   | 14554    | 2.65  | ug/l    | 100      |

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 Sample : MDL012  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MDL012

Manual Integrations  
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MMDadoda  
 2/19/2021 2:46:35 PM

Quant Time: Feb 19 10:58:22 2021  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U021721W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 19 10:36:46 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 41) Methacrylonitrile         | 4.986  | 41   | 3982     | 2.54  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.800  | 62   | 6649     | 2.78  | ug/l   | 90       |
| 43) Isopropyl Acetate         | 5.925  | 43   | 11729    | 2.63  | ug/l   | 99       |
| 44) Trichloroethene           | 6.552  | 130  | 3807     | 2.60  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 6.797  | 63   | 4080     | 2.68  | ug/l   | 95       |
| 46) Dibromomethane            | 6.928  | 93   | 2840     | 2.67  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.115  | 83   | 5231     | 2.51  | ug/l # | 97       |
| 48) Methyl methacrylate       | 6.970  | 41   | 5891     | 2.67  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.025  | 88   | 2359     | 55.61 | ug/l # | 52       |
| 51) 4-Methyl-2-Pentanone      | 7.806  | 43   | 39811    | 13.17 | ug/l   | 98       |
| 52) Toluene                   | 7.977  | 92   | 9066     | 2.67  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 8.221  | 75   | 5347     | 2.33  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 7.613  | 75   | 5783     | 2.37  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 8.407  | 97   | 3835     | 2.73  | ug/l   | 92       |
| 56) Ethyl methacrylate        | 8.343  | 69   | 5943     | 2.46  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 8.584  | 76   | 6437     | 2.62  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.472  | 63   | 8054     | 9.92  | ug/l   | 99       |
| 59) 2-Hexanone                | 8.700  | 43   | 30992    | 12.83 | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.819  | 129  | 3757     | 2.29  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 8.931  | 107  | 4230     | 2.64  | ug/l   | 96       |
| 64) Tetrachloroethene         | 8.562  | 164  | 3616     | 2.63  | ug/l   | 96       |
| 65) Chlorobenzene             | 9.456  | 112  | 9402     | 2.57  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 9.542  | 131  | 3556     | 2.55  | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.578  | 91   | 17667    | 2.68  | ug/l   | 98       |
| 68) m/p-Xylenes               | 9.700  | 106  | 12376    | 5.08  | ug/l   | 99       |
| 69) o-Xylene                  | 10.108 | 106  | 6144     | 2.58  | ug/l   | 98       |
| 70) Styrene                   | 10.121 | 104  | 9694     | 2.44  | ug/l   | 98       |
| 71) Bromoform                 | 10.298 | 173  | 3049     | 2.27  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.491 | 105  | 16312    | 2.74  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.330 | 43   | 8694     | 2.55  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 6045     | 2.67  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 10.835 | 75   | 6169m    | 2.79  | ug/l   |          |
| 77) Bromobenzene              | 10.790 | 156  | 4315     | 2.71  | ug/l   | 96       |
| 78) n-propylbenzene           | 10.912 | 91   | 18369    | 2.66  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.992 | 91   | 11449    | 2.71  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 13858    | 2.71  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 10.552 | 75   | 1885     | 2.32  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.105 | 91   | 12986    | 2.65  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.427 | 119  | 13325    | 2.69  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 13287    | 2.59  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.652 | 105  | 15381    | 2.64  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.803 | 119  | 13645    | 2.53  | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 11.755 | 146  | 7668     | 2.78  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 11.841 | 146  | 7854     | 2.79  | ug/l   | 90       |
| 89) n-Butylbenzene            | 12.218 | 91   | 11181    | 2.36  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.481 | 117  | 2261     | 2.37  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 12.221 | 146  | 7552     | 2.69  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 13.008 | 75   | 1605     | 2.58  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 13.851 | 180  | 3816     | 2.19  | ug/l   | 92       |
| 94) Hexachlorobutadiene       | 14.028 | 225  | 2686     | 2.75  | ug/l   | 98       |
| 95) Naphthalene               | 14.095 | 128  | 9138     | 1.82  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 3758     | 2.20  | ug/l   | 98       |

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Sample : MDL012  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
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MDL012

Manual Integrations  
APPROVED

MMDadoda  
2/19/2021 2:46:35 PM

Quant Time: Feb 19 10:58:22 2021  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\82U021721W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 19 10:36:46 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

