

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU041621\  
 Data File : VU043159.D  
 Acq On : 16 Apr 2021 11:33  
 Operator : SY/MD  
 Sample : VU0416WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0416WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 4/19/2021 9:40:31 AM

Quant Time: Apr 17 02:28:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 12 13:17:29 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|------------------------------|--------|------|----------|-------|--------|----------|
| -----                        |        |      |          |       |        |          |
| Internal Standards           |        |      |          |       |        |          |
| 1) Pentafluorobenzene        | 5.382  | 168  | 97851    | 50.00 | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.256  | 114  | 149361   | 50.00 | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.426  | 117  | 145019   | 50.00 | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.819 | 152  | 80934    | 50.00 | ug/l   | 0.00     |
| System Monitoring Compounds  |        |      |          |       |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.710  | 65   | 80571    | 48.98 | ug/l   | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 97.96% |          |
| 35) Dibromofluoromethane     | 5.298  | 113  | 54798    | 48.83 | ug/l   | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 97.66% |          |
| 50) Toluene-d8               | 7.906  | 98   | 196129   | 49.39 | ug/l   | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 98.78% |          |
| 62) 4-Bromofluorobenzene     | 10.642 | 95   | 74276    | 46.71 | ug/l   | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =     | 93.42% |          |
| Target Compounds             |        |      |          |       |        |          |
|                              |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 17507    | 17.34 | ug/l   | 98       |
| 3) Chloromethane             | 1.523  | 50   | 19716    | 17.54 | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.607  | 62   | 19885    | 18.06 | ug/l   | 100      |
| 5) Bromomethane              | 1.861  | 94   | 15280    | 25.47 | ug/l   | 96       |
| 6) Chloroethane              | 1.938  | 64   | 16408    | 21.58 | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 2.144  | 101  | 35654    | 19.06 | ug/l   | 99       |
| 8) Diethyl Ether             | 2.382  | 74   | 11594    | 19.36 | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.588  | 101  | 18419    | 19.14 | ug/l   | 97       |
| 10) Methyl Iodide            | 2.729  | 142  | 17907    | 14.12 | ug/l   | 97       |
| 11) Tert butyl alcohol       | 3.234  | 59   | 34775    | 82.02 | ug/l # | 88       |
| 12) 1,1-Dichloroethene       | 2.588  | 96   | 16893    | 18.44 | ug/l   | 95       |
| 13) Acrolein                 | 2.497  | 56   | 16693    | 70.95 | ug/l   | 98       |
| 14) Allyl chloride           | 2.932  | 41   | 39097    | 17.59 | ug/l   | 96       |
| 15) Acrylonitrile            | 3.324  | 53   | 82928    | 90.94 | ug/l   | 99       |
| 16) Acetone                  | 2.642  | 43   | 87975    | 90.68 | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.800  | 76   | 46145    | 16.38 | ug/l   | 98       |
| 18) Methyl Acetate           | 2.957  | 43   | 40731    | 19.81 | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.372  | 73   | 67795    | 18.73 | ug/l   | 99       |
| 20) Methylene Chloride       | 3.054  | 84   | 21269    | 18.21 | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.362  | 96   | 19191    | 17.93 | ug/l   | 98       |
| 22) Diisopropyl ether        | 4.002  | 45   | 78210    | 18.39 | ug/l   | 93       |
| 23) Vinyl Acetate            | 3.967  | 43   | 372275   | 90.46 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.880  | 63   | 40152    | 18.67 | ug/l   | 100      |
| 25) 2-Butanone               | 4.716  | 43   | 133739   | 89.50 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.671  | 77   | 34072    | 18.06 | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.674  | 96   | 22584    | 18.55 | ug/l   | 96       |
| 28) Bromochloromethane       | 4.983  | 49   | 20636    | 18.82 | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.063  | 42   | 85373    | 90.73 | ug/l   | 97       |
| 30) Chloroform               | 5.095  | 83   | 42903    | 18.84 | ug/l   | 91       |
| 31) Cyclohexane              | 5.398  | 56   | 35871    | 17.68 | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.327  | 97   | 37402    | 18.58 | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.536  | 75   | 29199    | 18.43 | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.813  | 43   | 49404    | 18.23 | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.533  | 117  | 30985    | 18.24 | ug/l   | 93       |
| 39) Methylcyclohexane        | 6.771  | 83   | 30398    | 17.45 | ug/l   | 95       |
| 40) Benzene                  | 5.784  | 78   | 83338    | 18.41 | ug/l   | 98       |

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 Sample : VU0416WBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0416WBS01

Manual Integrations  
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 4/19/2021 9:40:31 AM

Quant Time: Apr 17 02:28:36 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U041221W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Apr 12 13:17:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.980  | 41   | 25456    | 17.87  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 5.803  | 62   | 38594    | 19.22  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 5.922  | 43   | 70894    | 18.35  | ug/l   | 97       |
| 44) Trichloroethene           | 6.552  | 130  | 21744    | 18.93  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 6.800  | 63   | 24161    | 19.15  | ug/l   | 93       |
| 46) Dibromomethane            | 6.925  | 93   | 16957    | 19.01  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.115  | 83   | 32879    | 18.67  | ug/l   | 96       |
| 48) Methyl methacrylate       | 6.967  | 41   | 35465    | 18.28  | ug/l   | 94       |
| 49) 1,4-Dioxane               | 7.005  | 88   | 13558    | 348.83 | ug/l # | 92       |
| 51) 4-Methyl-2-Pentanone      | 7.800  | 43   | 255801   | 89.48  | ug/l   | 97       |
| 52) Toluene                   | 7.976  | 92   | 52946    | 18.86  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.217  | 75   | 35055    | 17.93  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.616  | 75   | 36166    | 18.21  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 8.407  | 97   | 22963    | 19.07  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.343  | 69   | 34397    | 17.44  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 8.584  | 76   | 39119    | 18.81  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 7.472  | 63   | 45922    | 61.68  | ug/l   | 99       |
| 59) 2-Hexanone                | 8.693  | 43   | 206121   | 87.56  | ug/l   | 98       |
| 60) Dibromochloromethane      | 8.816  | 129  | 25863    | 18.57  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.931  | 107  | 25008    | 18.41  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.562  | 164  | 20486    | 19.47  | ug/l   | 95       |
| 65) Chlorobenzene             | 9.455  | 112  | 57582    | 18.52  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.542  | 131  | 21713    | 18.26  | ug/l   | 96       |
| 67) Ethyl Benzene             | 9.578  | 91   | 104036   | 18.54  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.703  | 106  | 76470    | 36.82  | ug/l   | 99       |
| 69) o-Xylene                  | 10.108 | 106  | 37204    | 18.36  | ug/l   | 99       |
| 70) Styrene                   | 10.121 | 104  | 61280    | 17.96  | ug/l   | 99       |
| 71) Bromoform                 | 10.298 | 173  | 20160    | 16.46  | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.491 | 105  | 100394   | 18.48  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.330 | 43   | 58522    | 16.77  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 40718    | 17.21  | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 10.832 | 75   | 41313m   | 17.47  | ug/l   |          |
| 77) Bromobenzene              | 10.790 | 156  | 27840    | 18.40  | ug/l   | 98       |
| 78) n-propylbenzene           | 10.912 | 91   | 121270   | 18.65  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.992 | 91   | 72657    | 18.38  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 86803    | 18.10  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.555 | 75   | 12559    | 15.60  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.105 | 91   | 86589    | 18.24  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.426 | 119  | 83084    | 17.62  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 89181    | 18.10  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.651 | 105  | 98802    | 17.88  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.799 | 119  | 90624    | 17.82  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.751 | 146  | 48924    | 17.83  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.844 | 146  | 50241    | 17.56  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.217 | 91   | 82871    | 17.40  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.484 | 117  | 15228    | 15.97  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.221 | 146  | 50131    | 17.88  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 13.005 | 75   | 11104    | 16.58  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.851 | 180  | 32641    | 18.59  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.031 | 225  | 17146    | 18.14  | ug/l   | 98       |
| 95) Naphthalene               | 14.095 | 128  | 92833    | 17.73  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.339 | 180  | 31586    | 18.52  | ug/l   | 99       |

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Sample : VU0416WBS01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 4 Sample Multiplier: 1

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Quant Title : SW846 8260  
QLast Update : Mon Apr 12 13:17:29 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

