

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU100121\  
 Data File : VU045065.D  
 Acq On : 01 Oct 2021 12:08  
 Operator : SY/MD  
 Sample : VU1001WBSD01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1001WBSD01

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:25:34 PM

Quant Time: Oct 02 03:10:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.379          | 168  | 161214              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253          | 114  | 291160              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.420          | 117  | 277908              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.816         | 152  | 138128              | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.707          | 65   | 140097              | 52.205  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 78 - 117 |      | Recovery = 104.400% |         |        |          |
| 35) Dibromofluoromethane     | 5.295          | 113  | 94449               | 51.422  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.840% |         |        |          |
| 50) Toluene-d8               | 7.903          | 98   | 378365              | 52.136  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 92 - 112 |      | Recovery = 104.280% |         |        |          |
| 62) 4-Bromofluorobenzene     | 10.639         | 95   | 148427              | 49.539  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 83 - 123 |      | Recovery = 99.080%  |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.388          | 85   | 37695               | 18.882  | ug/l   | 97       |
| 3) Chloromethane             | 1.520          | 50   | 48690               | 18.829  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.607          | 62   | 49986               | 19.360  | ug/l   | 98       |
| 5) Bromomethane              | 1.855          | 94   | 29832               | 29.455  | ug/l   | 98       |
| 6) Chloroethane              | 1.925          | 64   | 21578               | 10.879  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 2.128          | 101  | 66269               | 19.435  | ug/l   | 98       |
| 8) Diethyl Ether             | 2.379          | 74   | 31127               | 19.919  | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.578          | 101  | 39328               | 20.281  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.723          | 142  | 38305               | 18.507  | ug/l   | 96       |
| 11) Tert butyl alcohol       | 3.298          | 59   | 72050m              | 93.546  | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.578          | 96   | 37820               | 19.787  | ug/l   | 96       |
| 13) Acrolein                 | 2.491          | 56   | 13179               | 89.786  | ug/l   | 99       |
| 14) Allyl chloride           | 2.925          | 41   | 69664               | 19.694  | ug/l   | 95       |
| 15) Acrylonitrile            | 3.327          | 53   | 160022              | 103.019 | ug/l   | 99       |
| 16) Acetone                  | 2.646          | 43   | 152286              | 95.601  | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.793          | 76   | 100918              | 17.886  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.957          | 43   | 96543               | 20.737  | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.372          | 73   | 153161              | 20.758  | ug/l   | 99       |
| 20) Methylene Chloride       | 3.047          | 84   | 47567               | 19.825  | ug/l   | 94       |
| 21) trans-1,2-Dichloroethene | 3.353          | 96   | 41062               | 19.638  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.999          | 45   | 149589              | 20.714  | ug/l   | 89       |
| 23) Vinyl Acetate            | 3.964          | 43   | 611052              | 104.035 | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.874          | 63   | 83441               | 20.127  | ug/l   | 99       |
| 25) 2-Butanone               | 4.719          | 43   | 212263              | 93.789  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.668          | 77   | 68548               | 19.557  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.671          | 96   | 49476               | 20.035  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.980          | 49   | 31884               | 18.555  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.063          | 42   | 142879              | 106.054 | ug/l   | 97       |
| 30) Chloroform               | 5.092          | 83   | 84361               | 20.189  | ug/l   | 96       |
| 31) Cyclohexane              | 5.391          | 56   | 78555               | 19.271  | ug/l   | 94       |
| 32) 1,1,1-Trichloroethane    | 5.321          | 97   | 68386               | 19.835  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.530          | 75   | 61036               | 20.046  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.813          | 43   | 95417               | 23.684  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.526          | 117  | 50951               | 19.338  | ug/l   | 99       |
| 39) Methylcyclohexane        | 6.768          | 83   | 72766               | 19.467  | ug/l   | 98       |
| 40) Benzene                  | 5.777          | 78   | 183642              | 20.250  | ug/l   | 100      |

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 Sample : VU1001WBSD01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1001WBSD01

Manual Integrations  
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MMDadoda  
 10/5/2021 12:25:34 PM

Quant Time: Oct 02 03:10:03 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 28 12:32:13 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.980  | 41   | 42599    | 20.540  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 5.800  | 62   | 73746    | 20.690  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.922  | 43   | 127361   | 21.013  | ug/l   | 99       |
| 44) Trichloroethene           | 6.546  | 130  | 42842    | 20.037  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.797  | 63   | 50149    | 20.858  | ug/l   | 99       |
| 46) Dibromomethane            | 6.922  | 93   | 34260    | 21.153  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.108  | 83   | 63472    | 20.183  | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.967  | 41   | 59869    | 20.293  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.009  | 88   | 29459    | 366.710 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 7.806  | 43   | 446675   | 101.231 | ug/l   | 99       |
| 52) Toluene                   | 7.973  | 92   | 116083   | 20.452  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 73778    | 20.515  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 77975    | 20.816  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 49044    | 20.738  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 8.343  | 69   | 85003    | 19.658  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 8.581  | 76   | 87291    | 20.682  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.468  | 63   | 105960   | 87.751  | ug/l   | 97       |
| 59) 2-Hexanone                | 8.697  | 43   | 348341   | 96.945  | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.816  | 129  | 45393    | 19.491  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.928  | 107  | 51914    | 20.651  | ug/l   | 100      |
| 64) Tetrachloroethene         | 8.555  | 164  | 37175    | 20.495  | ug/l   | 100      |
| 65) Chlorobenzene             | 9.449  | 112  | 119668   | 20.538  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 41628    | 20.464  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.575  | 91   | 219675   | 20.489  | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.697  | 106  | 169645   | 40.727  | ug/l   | 100      |
| 69) o-Xylene                  | 10.105 | 106  | 83680    | 20.242  | ug/l   | 97       |
| 70) Styrene                   | 10.118 | 104  | 138777   | 20.010  | ug/l   | 98       |
| 71) Bromoform                 | 10.298 | 173  | 34262    | 18.294  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.488 | 105  | 216220   | 21.020  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.327 | 43   | 108449   | 20.939  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 92991    | 20.894  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.832 | 75   | 89409m   | 22.192  | ug/l   |          |
| 77) Bromobenzene              | 10.787 | 156  | 51684    | 20.808  | ug/l   | 100      |
| 78) n-propylbenzene           | 10.909 | 91   | 265169   | 21.154  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 161975   | 20.615  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 190068   | 21.093  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 10.552 | 75   | 28104    | 19.358  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.102 | 91   | 186678   | 21.019  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 182034   | 20.769  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 189023   | 21.203  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.648 | 105  | 236562   | 20.958  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 192002   | 21.147  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.751 | 146  | 97779    | 20.556  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.841 | 146  | 98227    | 20.187  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.211 | 91   | 169677   | 20.290  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.478 | 117  | 32029    | 19.535  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.217 | 146  | 99479    | 20.459  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 13.002 | 75   | 20454    | 19.477  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 55260    | 20.393  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.025 | 225  | 22642    | 20.016  | ug/l   | 98       |
| 95) Naphthalene               | 14.089 | 128  | 206803   | 20.291  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 55494    | 20.392  | ug/l   | 99       |

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Sample : VU1001WBSD01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Manual Integrations  
APPROVED

MMDadoda  
10/5/2021 12:25:34 PM

Quant Time: Oct 02 03:10:03 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092821W.M  
Quant Title : SW846 8260  
QLast Update : Tue Sep 28 12:32:13 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

