

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU060821\  
 Data File : VU044130.D  
 Acq On : 08 Jun 2021 22:02  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/9/2021 9:32:55 AM

Quant Time: Jun 08 23:16:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 08 17:38:51 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|------|----------|---------|----------|----------|
| -----                        |        |      |          |         |          |          |
| Internal Standards           |        |      |          |         |          |          |
| 1) Pentafluorobenzene        | 5.382  | 168  | 212940   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.256  | 114  | 383626   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 9.423  | 117  | 388513   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.819 | 152  | 216501   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds  |        |      |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 5.710  | 65   | 168953   | 45.558  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 91.120%  |          |
| 35) Dibromofluoromethane     | 5.295  | 113  | 128782   | 47.041  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 94.080%  |          |
| 50) Toluene-d8               | 7.906  | 98   | 501288   | 47.472  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 94.940%  |          |
| 62) 4-Bromofluorobenzene     | 10.639 | 95   | 210729   | 50.405  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 100.800% |          |
| Target Compounds             |        |      |          |         |          |          |
|                              |        |      |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 150787   | 47.526  | ug/l     | 100      |
| 3) Chloromethane             | 1.523  | 50   | 185462   | 47.193  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.607  | 62   | 176541   | 44.776  | ug/l     | 100      |
| 5) Bromomethane              | 1.835  | 94   | 56306    | 34.447  | ug/l     | 100      |
| 6) Chloroethane              | 1.916  | 64   | 108282   | 44.911  | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.131  | 101  | 212192   | 46.825  | ug/l     | 98       |
| 8) Diethyl Ether             | 2.382  | 74   | 89886    | 46.093  | ug/l     | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 2.581  | 101  | 125658   | 45.859  | ug/l     | 98       |
| 10) Methyl Iodide            | 2.726  | 142  | 164998   | 51.656  | ug/l     | 99       |
| 11) Tert butyl alcohol       | 3.215  | 59   | 237299   | 258.100 | ug/l     | 99       |
| 12) 1,1-Dichloroethene       | 2.581  | 96   | 126755   | 48.364  | ug/l     | 98       |
| 13) Acrolein                 | 2.491  | 56   | 136094   | 188.276 | ug/l     | 98       |
| 14) Allyl chloride           | 2.925  | 41   | 239855   | 44.791  | ug/l     | 99       |
| 15) Acrylonitrile            | 3.321  | 53   | 484222   | 237.193 | ug/l     | 99       |
| 16) Acetone                  | 2.633  | 43   | 411233   | 192.131 | ug/l     | 99       |
| 17) Carbon Disulfide         | 2.793  | 76   | 399179   | 45.730  | ug/l     | 99       |
| 18) Methyl Acetate           | 2.954  | 43   | 221552   | 46.939  | ug/l     | 96       |
| 19) Methyl tert-butyl Ether  | 3.372  | 73   | 418521   | 52.173  | ug/l     | 99       |
| 20) Methylene Chloride       | 3.051  | 84   | 164084   | 51.156  | ug/l     | 95       |
| 21) trans-1,2-Dichloroethene | 3.359  | 96   | 145409   | 49.464  | ug/l     | 95       |
| 22) Diisopropyl ether        | 3.999  | 45   | 444075   | 48.763  | ug/l     | 94       |
| 23) Vinyl Acetate            | 3.964  | 43   | 2122841  | 247.158 | ug/l     | 98       |
| 24) 1,1-Dichloroethane       | 3.877  | 63   | 277450   | 46.554  | ug/l     | 100      |
| 25) 2-Butanone               | 4.710  | 43   | 707994   | 231.837 | ug/l     | 98       |
| 26) 2,2-Dichloropropane      | 4.674  | 77   | 186759   | 43.696  | ug/l     | 99       |
| 27) cis-1,2-Dichloroethene   | 4.674  | 96   | 162754   | 50.066  | ug/l     | 96       |
| 28) Bromochloromethane       | 4.980  | 49   | 132401   | 43.618  | ug/l     | 94       |
| 29) Tetrahydrofuran          | 5.057  | 42   | 403682   | 238.132 | ug/l     | 96       |
| 30) Chloroform               | 5.096  | 83   | 270501   | 47.188  | ug/l     | 100      |
| 31) Cyclohexane              | 5.395  | 56   | 228446   | 44.628  | ug/l     | 96       |
| 32) 1,1,1-Trichloroethane    | 5.324  | 97   | 225333   | 48.912  | ug/l     | 97       |
| 36) 1,1-Dichloropropene      | 5.533  | 75   | 205341   | 47.511  | ug/l     | 99       |
| 37) Ethyl Acetate            | 4.809  | 43   | 254730   | 46.786  | ug/l     | 98       |
| 38) Carbon Tetrachloride     | 5.533  | 117  | 188123   | 48.174  | ug/l     | 99       |
| 39) Methylcyclohexane        | 6.771  | 83   | 212346   | 47.558  | ug/l     | 97       |
| 40) Benzene                  | 5.780  | 78   | 626127   | 48.063  | ug/l     | 99       |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
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 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
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MMDadoda  
 6/9/2021 9:32:55 AM

Quant Time: Jun 08 23:16:16 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 08 17:38:51 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.980  | 41   | 137842   | 48.157   | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.803  | 62   | 216168   | 46.489   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 5.919  | 43   | 372188   | 48.342   | ug/l   | 97       |
| 44) Trichloroethene           | 6.549  | 130  | 141240   | 49.069   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.800  | 63   | 165850   | 46.649   | ug/l   | 98       |
| 46) Dibromomethane            | 6.925  | 93   | 108579   | 48.022   | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.112  | 83   | 214888   | 47.810   | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.967  | 41   | 187249   | 49.324   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 6.973  | 88   | 98706    | 1057.521 | ug/l   | 96       |
| 51) 4-Methyl-2-Pentanone      | 7.800  | 43   | 1462340  | 255.761  | ug/l   | 98       |
| 52) Toluene                   | 7.977  | 92   | 384451   | 50.570   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.218  | 75   | 237600   | 49.644   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.613  | 75   | 254743   | 48.198   | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.407  | 97   | 163000   | 50.556   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 8.340  | 69   | 271932   | 47.622   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 8.581  | 76   | 287305   | 49.363   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.472  | 63   | 443319   | 264.793  | ug/l   | 98       |
| 59) 2-Hexanone                | 8.694  | 43   | 1158018  | 260.630  | ug/l   | 98       |
| 60) Dibromochloromethane      | 8.819  | 129  | 163767   | 50.977   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.931  | 107  | 168103   | 50.929   | ug/l   | 98       |
| 64) Tetrachloroethene         | 8.558  | 164  | 123312   | 49.437   | ug/l   | 100      |
| 65) Chlorobenzene             | 9.452  | 112  | 406157   | 49.609   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 9.542  | 131  | 145289   | 50.261   | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.578  | 91   | 752124   | 50.571   | ug/l   | 99       |
| 68) m/p-Xylenes               | 9.700  | 106  | 575378   | 104.390  | ug/l   | 99       |
| 69) o-Xylene                  | 10.108 | 106  | 278828   | 52.809   | ug/l   | 100      |
| 70) Styrene                   | 10.121 | 104  | 501985   | 55.563   | ug/l   | 99       |
| 71) Bromoform                 | 10.298 | 173  | 131931   | 52.306   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.491 | 105  | 754582   | 51.793   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.327 | 43   | 341353   | 51.177   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 316545   | 47.804   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.832 | 75   | 293413m  | 48.446   | ug/l   |          |
| 77) Bromobenzene              | 10.790 | 156  | 182697   | 52.037   | ug/l   | 96       |
| 78) n-propylbenzene           | 10.912 | 91   | 947183   | 50.388   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.992 | 91   | 566088   | 50.228   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 681100   | 52.534   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.555 | 75   | 98775    | 47.622   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.102 | 91   | 674258   | 51.116   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.427 | 119  | 635467   | 52.782   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 688680   | 49.260   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.652 | 105  | 818023   | 52.077   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.800 | 119  | 713589   | 53.463   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.751 | 146  | 354705   | 50.694   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 11.841 | 146  | 357527   | 48.387   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.214 | 91   | 667327   | 49.457   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.481 | 117  | 110289   | 48.191   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.217 | 146  | 350907   | 50.524   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 13.002 | 75   | 68747    | 47.367   | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.848 | 180  | 212647   | 52.272   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.028 | 225  | 112622   | 48.560   | ug/l   | 99       |
| 95) Naphthalene               | 14.092 | 128  | 695702   | 47.286   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 210909   | 53.819   | ug/l   | 98       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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Manual Integrations  
APPROVED

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6/9/2021 9:32:55 AM

Quant Time: Jun 08 23:16:16 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U060721W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 08 17:38:51 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

