

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092521\  
 Data File : VU044824.D  
 Acq On : 24 Sep 2021 21:16  
 Operator : SY/MD  
 Sample : VSTDIC100  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC100

Manual Integrations  
 APPROVED

MMDadoda  
 9/27/2021 11:02:46 AM

Quant Time: Sep 25 00:59:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 25 00:57:07 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|------|----------|---------|----------|----------|
| -----                        |        |      |          |         |          |          |
| Internal Standards           |        |      |          |         |          |          |
| 1) Pentafluorobenzene        | 5.378  | 168  | 155557   | 50.000  | ug/l     | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253  | 114  | 278968   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 9.420  | 117  | 273444   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.816 | 152  | 148117   | 50.000  | ug/l     | 0.00     |
| System Monitoring Compounds  |        |      |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 5.706  | 65   | 270144   | 106.738 | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 213.480% |          |
| 35) Dibromofluoromethane     | 5.295  | 113  | 192505   | 99.487  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 198.980% |          |
| 50) Toluene-d8               | 7.902  | 98   | 746386   | 100.471 | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 200.940% |          |
| 62) 4-Bromofluorobenzene     | 10.635 | 95   | 289339   | 98.879  | ug/l     | 0.00     |
| Spiked Amount 50.000         |        |      | Recovery | =       | 197.760% |          |
| Target Compounds             |        |      |          |         |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 194333   | 89.960  | ug/l     | 96       |
| 3) Chloromethane             | 1.520  | 50   | 265865   | 90.944  | ug/l     | 100      |
| 4) Vinyl Chloride            | 1.607  | 62   | 263240   | 99.488  | ug/l     | 98       |
| 5) Bromomethane              | 1.842  | 94   | 125146   | 113.688 | ug/l     | 98       |
| 6) Chloroethane              | 1.919  | 64   | 177281   | 104.030 | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.131  | 101  | 319619   | 100.107 | ug/l     | 99       |
| 8) Diethyl Ether             | 2.379  | 74   | 152134   | 114.008 | ug/l     | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.578  | 101  | 189050   | 97.592  | ug/l     | 99       |
| 10) Methyl Iodide            | 2.723  | 142  | 224419   | 102.594 | ug/l     | 99       |
| 11) Tert butyl alcohol       | 3.244  | 59   | 398884m  | 575.057 | ug/l     |          |
| 12) 1,1-Dichloroethene       | 2.578  | 96   | 191251   | 99.424  | ug/l     | 98       |
| 13) Acrolein                 | 2.488  | 56   | 110715   | 308.701 | ug/l     | 99       |
| 14) Allyl chloride           | 2.925  | 41   | 374884   | 103.705 | ug/l     | 99       |
| 15) Acrylonitrile            | 3.317  | 53   | 855871   | 598.273 | ug/l     | 99       |
| 16) Acetone                  | 2.633  | 43   | 737165   | 495.268 | ug/l     | 100      |
| 17) Carbon Disulfide         | 2.793  | 76   | 536476   | 88.448  | ug/l     | 100      |
| 18) Methyl Acetate           | 2.951  | 43   | 508508   | 145.004 | ug/l     | 99       |
| 19) Methyl tert-butyl Ether  | 3.369  | 73   | 742727   | 122.289 | ug/l     | 100      |
| 20) Methylene Chloride       | 3.047  | 84   | 232392   | 92.023  | ug/l     | 98       |
| 21) trans-1,2-Dichloroethene | 3.356  | 96   | 205808   | 97.328  | ug/l     | 99       |
| 22) Diisopropyl ether        | 3.999  | 45   | 766111   | 120.404 | ug/l     | 96       |
| 23) Vinyl Acetate            | 3.961  | 43   | 3262242  | 554.675 | ug/l     | 100      |
| 24) 1,1-Dichloroethane       | 3.874  | 63   | 428028   | 103.247 | ug/l     | 100      |
| 25) 2-Butanone               | 4.710  | 43   | 1229065  | 577.523 | ug/l     | 100      |
| 26) 2,2-Dichloropropane      | 4.671  | 77   | 319212   | 98.506  | ug/l     | 100      |
| 27) cis-1,2-Dichloroethene   | 4.671  | 96   | 248148   | 103.933 | ug/l     | 100      |
| 28) Bromochloromethane       | 4.980  | 49   | 193123   | 97.937  | ug/l     | 100      |
| 29) Tetrahydrofuran          | 5.054  | 42   | 779571   | 656.763 | ug/l     | 99       |
| 30) Chloroform               | 5.092  | 83   | 417997   | 103.233 | ug/l     | 99       |
| 31) Cyclohexane              | 5.391  | 56   | 383019   | 106.619 | ug/l     | 98       |
| 32) 1,1,1-Trichloroethane    | 5.321  | 97   | 351476   | 104.652 | ug/l     | 99       |
| 36) 1,1-Dichloropropene      | 5.530  | 75   | 307334   | 98.957  | ug/l     | 100      |
| 37) Ethyl Acetate            | 4.809  | 43   | 445158   | 116.029 | ug/l     | 99       |
| 38) Carbon Tetrachloride     | 5.530  | 117  | 281982   | 100.512 | ug/l     | 98       |
| 39) Methylcyclohexane        | 6.767  | 83   | 369014   | 109.833 | ug/l     | 97       |
| 40) Benzene                  | 5.777  | 78   | 920516   | 99.876  | ug/l     | 100      |

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 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
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 9/27/2021 11:02:46 AM

Quant Time: Sep 25 00:59:07 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Sep 25 00:57:07 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.977  | 41   | 235712   | 120.410  | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 5.800  | 62   | 355379   | 107.188  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 5.915  | 43   | 648911   | 119.693  | ug/l   | 99       |
| 44) Trichloroethene           | 6.546  | 130  | 215574   | 101.301  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 6.796  | 63   | 253252   | 100.122  | ug/l   | 99       |
| 46) Dibromomethane            | 6.922  | 93   | 166604   | 102.363  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.112  | 83   | 333854   | 104.392  | ug/l   | 100      |
| 48) Methyl methacrylate       | 6.964  | 41   | 318845   | 121.069  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 6.980  | 88   | 165319   | 2408.108 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 7.800  | 43   | 2386886  | 610.495  | ug/l   | 99       |
| 52) Toluene                   | 7.973  | 92   | 569315   | 104.294  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.214  | 75   | 376629   | 108.473  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 399374   | 106.693  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 236921   | 102.805  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.337  | 69   | 431150   | 122.336  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 8.581  | 76   | 427656   | 104.479  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.468  | 63   | 523398   | 504.518  | ug/l   | 100      |
| 59) 2-Hexanone                | 8.693  | 43   | 1983167  | 634.721  | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.816  | 129  | 242613   | 106.540  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 8.928  | 107  | 258608   | 106.698  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.558  | 164  | 184859   | 97.555   | ug/l   | 99       |
| 65) Chlorobenzene             | 9.449  | 112  | 588473   | 100.338  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.539  | 131  | 209015   | 101.883  | ug/l   | 100      |
| 67) Ethyl Benzene             | 9.574  | 91   | 1109588  | 105.601  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 850858   | 216.149  | ug/l   | 99       |
| 69) o-Xylene                  | 10.105 | 106  | 416597   | 111.247  | ug/l   | 100      |
| 70) Styrene                   | 10.118 | 104  | 723598   | 111.607  | ug/l   | 100      |
| 71) Bromoform                 | 10.295 | 173  | 189526   | 109.511  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.488 | 105  | 1092118  | 108.760  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.324 | 43   | 616230   | 132.766  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 480176   | 109.347  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.828 | 75   | 471283m  | 96.729   | ug/l   |          |
| 77) Bromobenzene              | 10.787 | 156  | 255448   | 101.423  | ug/l   | 100      |
| 78) n-propylbenzene           | 10.909 | 91   | 1359831  | 104.671  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.989 | 91   | 796632   | 103.326  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 953639   | 107.468  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 10.552 | 75   | 154382   | 112.239  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.098 | 91   | 930802   | 102.798  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.423 | 119  | 925120   | 110.784  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.471 | 105  | 958161   | 107.903  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.648 | 105  | 1214308  | 110.289  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 1008495  | 108.329  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 501870   | 102.131  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.841 | 146  | 512046   | 97.989   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.211 | 91   | 961464   | 102.465  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.481 | 117  | 172899   | 115.003  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.217 | 146  | 530123   | 106.475  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 128074   | 125.759  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.844 | 180  | 330482   | 106.449  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.024 | 225  | 138132   | 85.879   | ug/l   | 99       |
| 95) Naphthalene               | 14.089 | 128  | 1212168  | 120.283  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 329330   | 108.113  | ug/l   | 99       |

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9/27/2021 11:02:46 AM

Quant Time: Sep 25 00:59:07 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U092421W.M  
Quant Title : SW846 8260  
QLast Update : Sat Sep 25 00:57:07 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

(#) = qualifier out of range (m) = manual integration (+) = signals summed

