

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU061224\  
 Data File : VU059223.D  
 Acq On : 12 Jun 2024 15:26  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Quant Time: Jun 13 03:02:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jun 06 08:51:44 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.110  | 96   | 47831    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 17267    | 1.061  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 106.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 17826    | 1.046  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 105.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.380  | 85   | 142521   | 9.511  | ug/l     | 99       |
| 3) Chloromethane             | 1.515  | 50   | 160219   | 8.882  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.602  | 62   | 171829   | 9.425  | ug/l     | 100      |
| 5) Bromomethane              | 1.853  | 94   | 100825   | 9.102  | ug/l     | 98       |
| 6) Chloroethane              | 1.930  | 64   | 109207   | 9.312  | ug/l     | 98       |
| 7) Trichlorofluoromethane    | 2.132  | 101  | 203251   | 8.986  | ug/l     | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 116124   | 9.986  | ug/l     | 98       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 114177   | 9.910  | ug/l     | 95       |
| 10) Iodomethane              | 2.714  | 142  | 171774   | 11.826 | ug/l     | 98       |
| 11) Allyl Chloride           | 2.917  | 41   | 143667   | 9.227  | ug/l     | 100      |
| 12) Acrylonitrile            | 3.319  | 53   | 52408    | 20.135 | ug/l     | 98       |
| 13) Acetone                  | 2.631  | 43   | 189821   | 47.925 | ug/l     | 100      |
| 14) Carbon Disulfide         | 2.788  | 76   | 347534   | 9.465  | ug/l     | 100      |
| 15) Methylene Chloride       | 3.039  | 84   | 151499   | 9.592  | ug/l     | 97       |
| 16) trans-1,2-Dichloroethene | 3.345  | 96   | 128635   | 10.233 | ug/l     | 98       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 250717   | 9.524  | ug/l     | 99       |
| 18) 2-Butanone               | 4.702  | 43   | 217148   | 49.426 | ug/l     | 100      |
| 19) Cyclohexane              | 5.380  | 56   | 196424m  | 10.310 | ug/l     |          |
| 20) Methylcyclohexane        | 6.759  | 83   | 212881   | 11.120 | ug/l     | 96       |
| 21) 2,2-Dichloropropane      | 4.657  | 77   | 186322   | 9.570  | ug/l     | 97       |
| 22) cis-1,2-Dichloroethene   | 4.660  | 96   | 143575   | 10.510 | ug/l     | 96       |
| 23) Diethyl Ether            | 2.370  | 59   | 100320   | 9.287  | ug/l     | 97       |
| 24) tert-Butyl Alcohol       | 3.206  | 59   | 64607    | 93.233 | ug/l     | 100      |
| 25) Methyl tert-Butyl Ether  | 3.354  | 73   | 281915   | 10.206 | ug/l     | 98       |
| 26) Bromochloromethane       | 4.965  | 128  | 61802    | 10.711 | ug/l     | 91       |
| 27) Chloroform               | 5.081  | 83   | 257189   | 9.719  | ug/l     | 98       |
| 28) 1,1,1-Trichloroethane    | 5.309  | 97   | 207085   | 9.925  | ug/l     | 99       |
| 29) 1,1-Dichloropropene      | 5.521  | 75   | 182960   | 10.465 | ug/l     | 98       |
| 30) Carbon Tetrachloride     | 5.518  | 117  | 168665   | 9.857  | ug/l     | 98       |
| 31) Isopropyl Ether          | 3.981  | 45   | 345259   | 10.001 | ug/l     | 100      |
| 32) Ethyl-t-butyl ether      | 4.493  | 59   | 326150   | 10.154 | ug/l     | 97       |
| 33) Tert-Amyl methyl ether   | 5.933  | 73   | 299202   | 10.552 | ug/l     | 100      |
| 34) Propionitrile            | 4.779  | 54   | 51286    | 50.958 | ug/l     | 98       |
| 35) Benzene                  | 5.766  | 78   | 557177   | 10.133 | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.788  | 62   | 157596   | 9.664  | ug/l     | 98       |
| 37) Trichloroethene          | 6.537  | 130  | 135841   | 10.344 | ug/l     | 99       |
| 38) 1,2-Dichloropropane      | 6.785  | 63   | 150743   | 9.654  | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.968  | 41   | 38076    | 10.145 | ug/l     | 97       |
| 40) Methyl acrylate          | 4.840  | 55   | 66763    | 10.156 | ug/l     | 97       |
| 41) Tetrahydrofuran          | 5.052  | 42   | 36775    | 18.320 | ug/l     | 95       |
| 42) 1-Chlorobutane           | 5.451  | 56   | 247932   | 10.261 | ug/l     | 97       |
| 43) Dibromomethane           | 6.914  | 93   | 71689    | 10.140 | ug/l     | 96       |
| 44) Bromodichloromethane     | 7.100  | 83   | 184022   | 10.046 | ug/l     | 100      |

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 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Quant Time: Jun 13 03:02:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U060524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Jun 06 08:51:44 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.785  | 43   | 375161   | 49.498 | ug/l  | 99       |
| 46) t-1,4-Dichloro-2-butene   | 10.830 | 75   | 61476m   | 19.114 | ug/l  |          |
| 47) Methyl methacrylate       | 6.955  | 69   | 130007   | 21.414 | ug/l  | 96       |
| 48) Ethyl methacrylate        | 8.328  | 69   | 114638   | 10.688 | ug/l  | 99       |
| 49) Toluene                   | 7.965  | 92   | 333871   | 11.025 | ug/l  | 100      |
| 50) t-1,3-Dichloropropene     | 8.206  | 75   | 159438   | 10.172 | ug/l  | 98       |
| 51) cis-1,3-Dichloropropene   | 7.602  | 75   | 194713   | 10.141 | ug/l  | 98       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 104429   | 9.996  | ug/l  | 97       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 183134   | 10.175 | ug/l  | 100      |
| 54) 2-Hexanone                | 8.679  | 43   | 313655   | 44.647 | ug/l  | 98       |
| 55) Dibromochloromethane      | 8.804  | 129  | 116051   | 10.264 | ug/l  | 98       |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 91903    | 10.031 | ug/l  | 99       |
| 58) Tetrachloroethene         | 8.550  | 164  | 133307   | 11.012 | ug/l  | 95       |
| 59) Chlorobenzene             | 9.441  | 112  | 360158   | 10.870 | ug/l  | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.528  | 131  | 121991   | 10.280 | ug/l  | 99       |
| 61) Pentachloroethane         | 11.422 | 117  | 89227    | 9.692  | ug/l  | 94       |
| 62) Hexachloroethane          | 12.470 | 117  | 101099   | 10.803 | ug/l  | 91       |
| 63) Ethyl Benzene             | 9.566  | 91   | 640050   | 11.443 | ug/l  | 99       |
| 64) m/p-Xylenes               | 9.688  | 106  | 496183   | 23.518 | ug/l  | 100      |
| 65) o-Xylene                  | 10.097 | 106  | 236784   | 11.381 | ug/l  | 98       |
| 66) Styrene                   | 10.110 | 104  | 402344   | 10.038 | ug/l  | 98       |
| 67) Bromoform                 | 10.287 | 173  | 65894    | 10.764 | ug/l  | 98       |
| 69) Isopropylbenzene          | 10.479 | 105  | 628453   | 11.789 | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 130246   | 9.917  | ug/l  | 97       |
| 71) 1,2,3-Trichloropropane    | 10.820 | 75   | 89106m   | 8.889  | ug/l  |          |
| 72) Bromobenzene              | 10.778 | 156  | 144880   | 11.337 | ug/l  | 95       |
| 73) n-propylbenzene           | 10.901 | 120  | 175387   | 10.244 | ug/l  | 95       |
| 74) 2-Chlorotoluene           | 10.981 | 126  | 148976   | 11.437 | ug/l  | 98       |
| 75) 1,3,5-Trimethylbenzene    | 11.084 | 105  | 541404   | 9.904  | ug/l  | 99       |
| 76) 4-Chlorotoluene           | 11.094 | 126  | 157650   | 11.577 | ug/l  | 97       |
| 77) tert-Butylbenzene         | 11.415 | 119  | 498717   | 11.656 | ug/l  | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 562484   | 10.024 | ug/l  | 99       |
| 79) sec-Butylbenzene          | 11.640 | 105  | 717955   | 10.103 | ug/l  | 98       |
| 80) Nitrobenzene              | 13.206 | 77   | 17549    | 48.180 | ug/l  | 99       |
| 81) p-Isopropyltoluene        | 11.788 | 119  | 587373   | 10.288 | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene       | 11.740 | 146  | 301249   | 11.125 | ug/l  | 99       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 302465   | 11.170 | ug/l  | 100      |
| 84) n-Butylbenzene            | 12.203 | 91   | 564851   | 10.310 | ug/l  | 99       |
| 85) 1,2-Dichlorobenzene       | 12.206 | 146  | 286194   | 11.198 | ug/l  | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.991 | 75   | 18929    | 10.591 | ug/l  | 94       |
| 87) 1,2,4-Trichlorobenzene    | 13.836 | 180  | 171527   | 12.538 | ug/l  | 99       |
| 88) Hexachlorobutadiene       | 14.016 | 225  | 103591   | 12.130 | ug/l  | 99       |
| 89) Naphthalene               | 14.084 | 128  | 260700   | 11.710 | ug/l  | 99       |
| 90) 1,2,3-Trichlorobenzene    | 14.325 | 180  | 157189   | 12.637 | ug/l  | 99       |

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

