

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101422\  
 Data File : VU051423.D  
 Acq On : 14 Oct 2022 13:53  
 Operator : JC/MD  
 Sample : VU1014WBSD01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU1014WBSD01

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 10/17/2022  
 Supervised By :Mahesh Dadoda 10/18/2022

Quant Time: Oct 15 06:09:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U100422DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Oct 05 02:45:21 2022  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.111  | 96   | 57106    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.632 | 95   | 18716    | 0.998  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 100.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.192 | 152  | 21026    | 1.008  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 101.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.385  | 85   | 41726    | 2.223  | ug/l     | 97       |
| 3) Chloromethane             | 1.520  | 50   | 58553    | 2.326  | ug/l     | 98       |
| 4) Vinyl Chloride            | 1.600  | 62   | 55558    | 2.324  | ug/l     | 96       |
| 5) Bromomethane              | 1.851  | 94   | 31203    | 2.050  | ug/l     | 96       |
| 6) Chloroethane              | 1.928  | 64   | 31708    | 2.114  | ug/l     | 99       |
| 7) Trichlorofluoromethane    | 2.137  | 101  | 59064    | 2.180  | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.578  | 101  | 31743    | 2.036  | ug/l     | 97       |
| 9) 1,1-Dichloroethene        | 2.575  | 96   | 32850    | 2.000  | ug/l     | 100      |
| 10) Iodomethane              | 2.719  | 142  | 45771    | 1.911  | ug/l     | 100      |
| 11) Allyl Chloride           | 2.919  | 41   | 47711    | 1.856  | ug/l     | 93       |
| 12) Acrylonitrile            | 3.314  | 53   | 20524    | 3.996  | ug/l     | 96       |
| 13) Acetone                  | 2.626  | 43   | 32881    | 10.934 | ug/l     | 99       |
| 14) Carbon Disulfide         | 2.787  | 76   | 122813   | 1.974  | ug/l     | 97       |
| 15) Methylene Chloride       | 3.041  | 84   | 56578    | 2.198  | ug/l     | 98       |
| 16) trans-1,2-Dichloroethene | 3.343  | 96   | 38683    | 2.085  | ug/l     | 96       |
| 17) 1,1-Dichloroethane       | 3.864  | 63   | 71542    | 2.212  | ug/l     | 99       |
| 18) 2-Butanone               | 4.719  | 43   | 40461    | 9.442  | ug/l     | 97       |
| 19) Cyclohexane              | 5.382  | 56   | 38100m   | 1.756  | ug/l     |          |
| 20) Methylcyclohexane        | 6.758  | 83   | 35402    | 1.630  | ug/l     | 92       |
| 21) 2,2-Dichloropropane      | 4.661  | 77   | 48336    | 2.192  | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.665  | 96   | 34375    | 1.930  | ug/l     | 98       |
| 23) Diethyl Ether            | 2.375  | 59   | 29712    | 2.029  | ug/l     | 99       |
| 24) tert-Butyl Alcohol       | 3.195  | 59   | 43944    | 63.593 | ug/l #   | 93       |
| 25) Methyl tert-Butyl Ether  | 3.366  | 73   | 85805    | 1.966  | ug/l     | 98       |
| 26) Bromochloromethane       | 4.970  | 128  | 18109    | 2.115  | ug/l     | 96       |
| 27) Chloroform               | 5.086  | 83   | 72346    | 2.197  | ug/l     | 93       |
| 28) 1,1,1-Trichloroethane    | 5.311  | 97   | 55039    | 2.112  | ug/l     | 97       |
| 29) 1,1-Dichloropropene      | 5.523  | 75   | 40403    | 1.949  | ug/l     | 97       |
| 30) Carbon Tetrachloride     | 5.520  | 117  | 47646    | 2.156  | ug/l     | 95       |
| 31) Isopropyl Ether          | 3.999  | 45   | 77477    | 1.824  | ug/l     | 76       |
| 32) Ethyl-t-butyl ether      | 4.510  | 59   | 65823    | 1.764  | ug/l     | 97       |
| 33) Tert-Amyl methyl ether   | 5.944  | 73   | 57060    | 1.712  | ug/l #   | 96       |
| 34) Propionitrile            | 4.787  | 54   | 15470    | 11.296 | ug/l #   | 95       |
| 35) Benzene                  | 5.771  | 78   | 139061   | 2.014  | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.793  | 62   | 44983    | 2.076  | ug/l     | 98       |
| 37) Trichloroethene          | 6.539  | 130  | 33410    | 1.989  | ug/l     | 97       |
| 38) 1,2-Dichloropropane      | 6.790  | 63   | 39663    | 2.105  | ug/l     | 97       |
| 39) Methacrylonitrile        | 4.980  | 41   | 9716     | 1.962  | ug/l     | 93       |
| 40) Methyl acrylate          | 4.854  | 55   | 13811    | 1.613  | ug/l #   | 94       |
| 41) Tetrahydrofuran          | 5.070  | 42   | 10016    | 3.819  | ug/l     | 97       |
| 42) 1-Chlorobutane           | 5.456  | 56   | 54503    | 1.884  | ug/l     | 100      |
| 43) Dibromomethane           | 6.919  | 93   | 20838    | 2.059  | ug/l     | 94       |
| 44) Bromodichloromethane     | 7.105  | 83   | 50148    | 2.123  | ug/l     | 97       |

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 QLast Update : Wed Oct 05 02:45:21 2022  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.793  | 43   | 91301    | 8.584 | ug/l  | 95       |
| 46) t-1,4-Dichloro-2-butene   | 10.835 | 75   | 13747m   | 3.918 | ug/l  |          |
| 47) Methyl methacrylate       | 6.964  | 69   | 28266    | 3.491 | ug/l  | 90       |
| 48) Ethyl methacrylate        | 8.333  | 69   | 22613    | 1.666 | ug/l  | 96       |
| 49) Toluene                   | 7.967  | 92   | 66538    | 1.775 | ug/l  | 92       |
| 50) t-1,3-Dichloropropene     | 8.211  | 75   | 36579    | 1.926 | ug/l  | 96       |
| 51) cis-1,3-Dichloropropene   | 7.607  | 75   | 42847    | 1.936 | ug/l  | 95       |
| 52) 1,1,2-Trichloroethane     | 8.401  | 97   | 28477    | 1.940 | ug/l  | 96       |
| 53) 1,3-Dichloropropane       | 8.574  | 76   | 47043    | 2.018 | ug/l  | 98       |
| 54) 2-Hexanone                | 8.687  | 43   | 63701    | 8.462 | ug/l  | 91       |
| 55) Dibromochloromethane      | 8.809  | 129  | 31751    | 1.985 | ug/l  | 99       |
| 56) 1,2-Dibromoethane         | 8.922  | 107  | 25758    | 1.960 | ug/l  | 95       |
| 58) Tetrachloroethene         | 8.552  | 164  | 34642    | 2.040 | ug/l  | 96       |
| 59) Chlorobenzene             | 9.446  | 112  | 74754    | 1.809 | ug/l  | 96       |
| 60) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 33180    | 2.046 | ug/l  | 97       |
| 61) Pentachloroethane         | 11.426 | 117  | 21714    | 1.935 | ug/l  | 87       |
| 62) Hexachloroethane          | 12.475 | 117  | 27826    | 2.149 | ug/l  | 91       |
| 63) Ethyl Benzene             | 9.568  | 91   | 103439   | 1.630 | ug/l  | 100      |
| 64) m/p-Xylenes               | 9.693  | 106  | 79594    | 3.367 | ug/l  | 96       |
| 65) o-Xylene                  | 10.098 | 106  | 41434    | 1.703 | ug/l  | 94       |
| 66) Styrene                   | 10.115 | 104  | 62520    | 1.688 | ug/l  | 96       |
| 67) Bromoform                 | 10.288 | 173  | 17441    | 1.889 | ug/l  | 98       |
| 69) Isopropylbenzene          | 10.481 | 105  | 99294    | 1.761 | ug/l  | 97       |
| 70) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 36818    | 1.964 | ug/l  | 98       |
| 71) 1,2,3-Trichloropropane    | 10.822 | 75   | 31421m   | 2.065 | ug/l  |          |
| 72) Bromobenzene              | 10.783 | 156  | 30559    | 1.855 | ug/l  | 98       |
| 73) n-propylbenzene           | 10.905 | 120  | 26860    | 1.773 | ug/l  | 100      |
| 74) 2-Chlorotoluene           | 10.986 | 126  | 29005    | 1.817 | ug/l  | 96       |
| 75) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 86281    | 1.708 | ug/l  | 99       |
| 76) 4-Chlorotoluene           | 11.095 | 126  | 27648    | 1.767 | ug/l  | 91       |
| 77) tert-Butylbenzene         | 11.417 | 119  | 85076    | 1.707 | ug/l  | 99       |
| 78) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 88626    | 1.705 | ug/l  | 97       |
| 79) sec-Butylbenzene          | 11.642 | 105  | 116976   | 1.772 | ug/l  | 99       |
| 80) Nitrobenzene              | 13.211 | 77   | 7808     | 8.787 | ug/l  | 97       |
| 81) p-Isopropyltoluene        | 11.790 | 119  | 88399    | 1.755 | ug/l  | 99       |
| 82) 1,3-Dichlorobenzene       | 11.745 | 146  | 65611    | 1.890 | ug/l  | 99       |
| 83) 1,4-Dichlorobenzene       | 11.835 | 146  | 63285    | 1.849 | ug/l  | 99       |
| 84) n-Butylbenzene            | 12.208 | 91   | 81595    | 1.797 | ug/l  | 92       |
| 85) 1,2-Dichlorobenzene       | 12.211 | 146  | 61503    | 1.798 | ug/l  | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.995 | 75   | 5397     | 1.866 | ug/l  | 94       |
| 87) 1,2,4-Trichlorobenzene    | 13.838 | 180  | 26868    | 1.705 | ug/l  | 99       |
| 88) Hexachlorobutadiene       | 14.021 | 225  | 22230    | 1.870 | ug/l  | 99       |
| 89) Naphthalene               | 14.085 | 128  | 47388    | 1.429 | ug/l  | 97       |
| 90) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 28130    | 1.686 | ug/l  | 99       |

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

