

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090324\  
 Data File : VU060593.D  
 Acq On : 03 Sep 2024 18:30  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 09/06/2024  
 Supervised By :Semsettin Yesilyurt 09/06/2024

Quant Time: Sep 04 05:47:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U080524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Aug 06 11:07:28 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.107  | 96   | 32820    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.627 | 95   | 12297    | 1.100  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 110.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.184 | 152  | 12706    | 1.046  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 105.000% |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 117572   | 9.314  | ug/l     | 99       |
| 3) Chloromethane             | 1.515  | 50   | 123041   | 8.525  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.602  | 62   | 129320   | 8.963  | ug/l     | 99       |
| 5) Bromomethane              | 1.856  | 94   | 87540    | 9.874  | ug/l     | 99       |
| 6) Chloroethane              | 1.930  | 64   | 84606    | 9.688  | ug/l     | 98       |
| 7) Trichlorofluoromethane    | 2.133  | 101  | 207297   | 11.908 | ug/l     | 100      |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 97457    | 10.289 | ug/l     | 99       |
| 9) 1,1-Dichloroethene        | 2.573  | 96   | 96604    | 9.845  | ug/l     | 98       |
| 10) Iodomethane              | 2.715  | 142  | 125191   | 8.606  | ug/l     | 93       |
| 11) Allyl Chloride           | 2.917  | 41   | 134485   | 9.997  | ug/l     | 96       |
| 12) Acrylonitrile            | 3.322  | 53   | 45720    | 17.834 | ug/l     | 96       |
| 13) Acetone                  | 2.647  | 43   | 113705   | 36.515 | ug/l     | 92       |
| 14) Carbon Disulfide         | 2.789  | 76   | 298922   | 8.985  | ug/l     | 100      |
| 15) Methylene Chloride       | 3.039  | 84   | 122094   | 9.940  | ug/l     | 97       |
| 16) trans-1,2-Dichloroethene | 3.345  | 96   | 103372   | 9.832  | ug/l     | 93       |
| 17) 1,1-Dichloroethane       | 3.859  | 63   | 206692   | 10.226 | ug/l     | 99       |
| 18) 2-Butanone               | 4.711  | 43   | 149767   | 41.634 | ug/l     | 99       |
| 19) Cyclohexane              | 5.380  | 56   | 154821m  | 8.885  | ug/l     |          |
| 20) Methylcyclohexane        | 6.756  | 83   | 153769   | 11.120 | ug/l     | 99       |
| 21) 2,2-Dichloropropane      | 4.653  | 77   | 151352   | 9.615  | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.657  | 96   | 109950   | 9.762  | ug/l     | 98       |
| 23) Diethyl Ether            | 2.374  | 59   | 80495    | 10.095 | ug/l     | 98       |
| 24) tert-Butyl Alcohol       | 3.248  | 59   | 82562m   | 82.890 | ug/l     |          |
| 25) Methyl tert-Butyl Ether  | 3.354  | 73   | 233330   | 9.687  | ug/l     | 98       |
| 26) Bromochloromethane       | 4.962  | 128  | 48506    | 10.171 | ug/l     | 99       |
| 27) Chloroform               | 5.078  | 83   | 207088   | 10.470 | ug/l     | 98       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 176822   | 10.762 | ug/l     | 98       |
| 29) 1,1-Dichloropropene      | 5.518  | 75   | 140404   | 10.665 | ug/l     | 97       |
| 30) Carbon Tetrachloride     | 5.518  | 117  | 153961   | 11.499 | ug/l     | 99       |
| 31) Isopropyl Ether          | 3.985  | 45   | 283320   | 9.588  | ug/l     | 96       |
| 32) Ethyl-t-butyl ether      | 4.493  | 59   | 258433   | 9.049  | ug/l     | 96       |
| 33) Tert-Amyl methyl ether   | 5.930  | 73   | 227553   | 11.225 | ug/l     | 99       |
| 34) Propionitrile            | 4.795  | 54   | 46497m   | 45.224 | ug/l     |          |
| 35) Benzene                  | 5.766  | 78   | 410044   | 10.108 | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.785  | 62   | 126347   | 11.208 | ug/l     | # 94     |
| 37) Trichloroethene          | 6.534  | 130  | 102804   | 10.237 | ug/l     | 99       |
| 38) 1,2-Dichloropropane      | 6.782  | 63   | 115611   | 10.535 | ug/l     | 99       |
| 39) Methacrylonitrile        | 4.969  | 41   | 31044    | 8.343  | ug/l     | 99       |
| 40) Methyl acrylate          | 4.843  | 55   | 57342m   | 8.800  | ug/l     |          |
| 41) Tetrahydrofuran          | 5.055  | 42   | 30904    | 15.252 | ug/l     | 97       |
| 42) 1-Chlorobutane           | 5.448  | 56   | 196700   | 10.837 | ug/l     | 96       |
| 43) Dibromomethane           | 6.911  | 93   | 53857    | 9.702  | ug/l     | 96       |
| 44) Bromodichloromethane     | 7.097  | 83   | 142734   | 10.709 | ug/l     | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090324\  
 Data File : VU060593.D  
 Acq On : 03 Sep 2024 18:30  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 09/06/2024  
 Supervised By :Semsettin Yesilyurt 09/06/2024

Quant Time: Sep 04 05:47:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U080524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Aug 06 11:07:28 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.782  | 43   | 304345   | 58.387 | ug/l  | 94       |
| 46) t-1,4-Dichloro-2-butene   | 10.824 | 75   | 60318m   | 20.651 | ug/l  |          |
| 47) Methyl methacrylate       | 6.956  | 69   | 99442    | 22.076 | ug/l  | 92       |
| 48) Ethyl methacrylate        | 8.325  | 69   | 89389    | 11.687 | ug/l  | 93       |
| 49) Toluene                   | 7.962  | 92   | 250584   | 11.140 | ug/l  | 100      |
| 50) t-1,3-Dichloropropene     | 8.203  | 75   | 125499   | 11.405 | ug/l  | 97       |
| 51) cis-1,3-Dichloropropene   | 7.599  | 75   | 148115   | 11.189 | ug/l  | 94       |
| 52) 1,1,2-Trichloroethane     | 8.393  | 97   | 75825    | 9.305  | ug/l  | 98       |
| 53) 1,3-Dichloropropane       | 8.566  | 76   | 134387   | 10.336 | ug/l  | 100      |
| 54) 2-Hexanone                | 8.679  | 43   | 222106   | 54.977 | ug/l  | 96       |
| 55) Dibromochloromethane      | 8.801  | 129  | 94590    | 10.582 | ug/l  | 100      |
| 56) 1,2-Dibromoethane         | 8.917  | 107  | 69208    | 9.471  | ug/l  | 98       |
| 58) Tetrachloroethene         | 8.547  | 164  | 100660   | 11.216 | ug/l  | 98       |
| 59) Chlorobenzene             | 9.441  | 112  | 269780   | 11.077 | ug/l  | 100      |
| 60) 1,1,1,2-Tetrachloroethane | 9.525  | 131  | 101343   | 10.562 | ug/l  | 98       |
| 61) Pentachloroethane         | 11.418 | 117  | 76964    | 9.391  | ug/l  | 99       |
| 62) Hexachloroethane          | 12.467 | 117  | 87273    | 11.017 | ug/l  | 99       |
| 63) Ethyl Benzene             | 9.563  | 91   | 472112   | 10.051 | ug/l  | 100      |
| 64) m/p-Xylenes               | 9.685  | 106  | 394164   | 20.880 | ug/l  | 98       |
| 65) o-Xylene                  | 10.094 | 106  | 183152   | 10.286 | ug/l  | 98       |
| 66) Styrene                   | 10.107 | 104  | 305899   | 10.016 | ug/l  | 98       |
| 67) Bromoform                 | 10.283 | 173  | 52950    | 10.114 | ug/l  | 99       |
| 69) Isopropylbenzene          | 10.476 | 105  | 469162   | 10.209 | ug/l  | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 97451    | 8.987  | ug/l  | 98       |
| 71) 1,2,3-Trichloropropane    | 10.817 | 75   | 86675m   | 10.791 | ug/l  |          |
| 72) Bromobenzene              | 10.775 | 156  | 110847   | 11.084 | ug/l  | 97       |
| 73) n-propylbenzene           | 10.898 | 120  | 132619   | 10.058 | ug/l  | 100      |
| 74) 2-Chlorotoluene           | 10.978 | 126  | 116430   | 10.002 | ug/l  | 95       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 430088   | 10.475 | ug/l  | 99       |
| 76) 4-Chlorotoluene           | 11.090 | 126  | 121334   | 9.931  | ug/l  | 93       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 390831   | 10.096 | ug/l  | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.460 | 105  | 432149   | 10.113 | ug/l  | 100      |
| 79) sec-Butylbenzene          | 11.637 | 105  | 529025   | 9.973  | ug/l  | 100      |
| 80) Nitrobenzene              | 13.206 | 77   | 16494m   | 34.638 | ug/l  |          |
| 81) p-Isopropyltoluene        | 11.785 | 119  | 440004   | 9.976  | ug/l  | 98       |
| 82) 1,3-Dichlorobenzene       | 11.737 | 146  | 233352   | 11.184 | ug/l  | 98       |
| 83) 1,4-Dichlorobenzene       | 11.827 | 146  | 231076   | 11.157 | ug/l  | 99       |
| 84) n-Butylbenzene            | 12.200 | 91   | 421886   | 9.913  | ug/l  | 100      |
| 85) 1,2-Dichlorobenzene       | 12.203 | 146  | 226680   | 11.233 | ug/l  | 99       |
| 86) 1,2-Dibromo-3-Chloropr... | 12.987 | 75   | 15254    | 9.702  | ug/l  | 93       |
| 87) 1,2,4-Trichlorobenzene    | 13.833 | 180  | 124596   | 10.795 | ug/l  | 99       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 84501    | 11.322 | ug/l  | 99       |
| 89) Naphthalene               | 14.081 | 128  | 181848   | 8.905  | ug/l  | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.322 | 180  | 122052   | 10.832 | ug/l  | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090324\  
 Data File : VU060593.D  
 Acq On : 03 Sep 2024 18:30  
 Operator : MD/SY  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/06/2024  
 Supervised By :Semsettin Yesilyurt 09/06/2024

Quant Time: Sep 04 05:47:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U080524DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Tue Aug 06 11:07:28 2024  
 Response via : Initial Calibration

