

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU123021\  
 Data File : VU046655.D  
 Acq On : 30 Dec 2021 17:48  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/31/2021  
 Supervised By : Mahesh Dadoda 01/03/2022

Quant Time: Dec 31 07:28:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U123021DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Dec 30 12:44:59 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc   | Units    | Dev(Min) |
|------------------------------|--------|------|----------|--------|----------|----------|
| -----                        |        |      |          |        |          |          |
| Internal Standards           |        |      |          |        |          |          |
| 1) Fluorobenzene             | 6.118  | 96   | 22655    | 1.000  | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |        |          |          |
| 57) 4-Bromofluorobenzene     | 10.632 | 95   | 8369     | 1.038  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 104.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.195 | 152  | 8495     | 0.974  | ug/l     | 0.00     |
| Spiked Amount 1.000          |        |      | Recovery | =      | 97.000%  |          |
| Target Compounds             |        |      |          |        |          |          |
|                              |        |      |          |        |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.388  | 85   | 75103    | 8.647  | ug/l     | 100      |
| 3) Chloromethane             | 1.523  | 50   | 67508    | 8.793  | ug/l     | 99       |
| 4) Vinyl Chloride            | 1.607  | 62   | 72836    | 8.826  | ug/l     | 99       |
| 5) Bromomethane              | 1.864  | 94   | 42481    | 9.857  | ug/l     | 99       |
| 6) Chloroethane              | 1.938  | 64   | 42168    | 8.611  | ug/l     | 98       |
| 7) Trichlorofluoromethane    | 2.144  | 101  | 101627   | 8.788  | ug/l     | 98       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.584  | 101  | 55780    | 8.669  | ug/l     | 96       |
| 9) 1,1-Dichloroethene        | 2.584  | 96   | 52378    | 8.670  | ug/l     | 94       |
| 10) Iodomethane              | 2.729  | 142  | 65944    | 10.476 | ug/l     | 88       |
| 11) Allyl Chloride           | 2.929  | 41   | 70251    | 9.220  | ug/l     | 94       |
| 12) Acrylonitrile            | 3.330  | 53   | 30131    | 18.686 | ug/l     | 94       |
| 13) Acetone                  | 2.662  | 43   | 57015    | 39.285 | ug/l     | 100      |
| 14) Carbon Disulfide         | 2.800  | 76   | 167619   | 8.681  | ug/l     | 100      |
| 15) Methylene Chloride       | 3.051  | 84   | 60617    | 9.049  | ug/l     | 98       |
| 16) trans-1,2-Dichloroethene | 3.359  | 96   | 59018    | 9.351  | ug/l     | 94       |
| 17) 1,1-Dichloroethane       | 3.874  | 63   | 106848   | 9.076  | ug/l     | 99       |
| 18) 2-Butanone               | 4.723  | 43   | 95927    | 44.233 | ug/l     | 99       |
| 19) Cyclohexane              | 5.395  | 56   | 73916    | 9.585  | ug/l     | # 80     |
| 20) Methylcyclohexane        | 6.768  | 83   | 92939    | 10.201 | ug/l     | 97       |
| 21) 2,2-Dichloropropane      | 4.671  | 77   | 90633    | 9.030  | ug/l     | 99       |
| 22) cis-1,2-Dichloroethene   | 4.671  | 96   | 63946    | 9.467  | ug/l     | 98       |
| 23) Diethyl Ether            | 2.379  | 59   | 39351    | 8.722  | ug/l     | 95       |
| 24) tert-Butyl Alcohol       | 3.356  | 59   | 49961m   | 98.074 | ug/l     |          |
| 25) Methyl tert-Butyl Ether  | 3.369  | 73   | 142244   | 9.740  | ug/l     | 97       |
| 26) Bromochloromethane       | 4.980  | 128  | 30107    | 9.008  | ug/l     | 94       |
| 27) Chloroform               | 5.092  | 83   | 114253   | 8.746  | ug/l     | 98       |
| 28) 1,1,1-Trichloroethane    | 5.321  | 97   | 102349   | 9.080  | ug/l     | 97       |
| 29) 1,1-Dichloropropene      | 5.530  | 75   | 85642    | 9.654  | ug/l     | 99       |
| 30) Carbon Tetrachloride     | 5.530  | 117  | 92065    | 8.952  | ug/l     | 100      |
| 31) Isopropyl Ether          | 3.996  | 45   | 147470   | 10.061 | ug/l     | 98       |
| 32) Ethyl-t-butyl ether      | 4.504  | 59   | 144348   | 9.963  | ug/l     | 94       |
| 33) Tert-Amyl methyl ether   | 5.941  | 73   | 142191   | 10.184 | ug/l     | 98       |
| 34) Propionitrile            | 4.800  | 54   | 31698    | 49.325 | ug/l     | # 86     |
| 35) Benzene                  | 5.777  | 78   | 237998   | 9.390  | ug/l     | 99       |
| 36) 1,2-Dichloroethane       | 5.800  | 62   | 78063    | 8.981  | ug/l     | 100      |
| 37) Trichloroethene          | 6.546  | 130  | 59575    | 9.200  | ug/l     | 100      |
| 38) 1,2-Dichloropropane      | 6.793  | 63   | 63752    | 9.501  | ug/l     | 98       |
| 39) Methacrylonitrile        | 4.980  | 41   | 21526    | 10.001 | ug/l     | 98       |
| 40) Methyl acrylate          | 4.848  | 55   | 37839    | 10.027 | ug/l     | 97       |
| 41) Tetrahydrofuran          | 5.067  | 42   | 22514    | 20.606 | ug/l     | 100      |
| 42) 1-Chlorobutane           | 5.462  | 56   | 114077   | 9.790  | ug/l     | 97       |
| 43) Dibromomethane           | 6.922  | 93   | 36017    | 9.068  | ug/l     | 97       |
| 44) Bromodichloromethane     | 7.108  | 83   | 89142    | 9.017  | ug/l     | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU123021\  
 Data File : VU046655.D  
 Acq On : 30 Dec 2021 17:48  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/31/2021  
 Supervised By : Mahesh Dadoda 01/03/2022

Quant Time: Dec 31 07:28:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U123021DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Dec 30 12:44:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 45) 4-Methyl-2-Pentanone      | 7.793  | 43   | 208582   | 49.105 | ug/l   | 98       |
| 46) t-1,4-Dichloro-2-butene   | 10.838 | 75   | 40658m   | 17.761 | ug/l   |          |
| 47) Methyl methacrylate       | 6.964  | 69   | 64949    | 20.104 | ug/l   | 92       |
| 48) Ethyl methacrylate        | 8.337  | 69   | 60383    | 10.486 | ug/l   | 92       |
| 49) Toluene                   | 7.973  | 92   | 151482   | 10.214 | ug/l   | 99       |
| 50) t-1,3-Dichloropropene     | 8.214  | 75   | 83009    | 9.749  | ug/l   | 100      |
| 51) cis-1,3-Dichloropropene   | 7.610  | 75   | 91220    | 9.729  | ug/l   | 94       |
| 52) 1,1,2-Trichloroethane     | 8.404  | 97   | 48837    | 8.843  | ug/l   | 99       |
| 53) 1,3-Dichloropropane       | 8.578  | 76   | 87997    | 9.330  | ug/l   | 100      |
| 54) 2-Hexanone                | 8.687  | 43   | 153802   | 49.551 | ug/l   | 99       |
| 55) Dibromochloromethane      | 8.813  | 129  | 62501    | 9.049  | ug/l   | 100      |
| 56) 1,2-Dibromoethane         | 8.925  | 107  | 47362    | 9.004  | ug/l   | 97       |
| 58) Tetrachloroethene         | 8.555  | 164  | 52283    | 9.133  | ug/l   | 99       |
| 59) Chlorobenzene             | 9.449  | 112  | 157539   | 9.842  | ug/l   | 98       |
| 60) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 60892    | 9.060  | ug/l   | 97       |
| 61) Pentachloroethane         | 11.430 | 117  | 49862    | 8.899  | ug/l   | 94       |
| 62) Hexachloroethane          | 12.478 | 117  | 53179    | 9.464  | ug/l   | 97       |
| 63) Ethyl Benzene             | 9.571  | 91   | 284145   | 10.817 | ug/l   | 100      |
| 64) m/p-Xylenes               | 9.697  | 106  | 227656   | 21.825 | ug/l   | 100      |
| 65) o-Xylene                  | 10.102 | 106  | 105926   | 10.739 | ug/l   | 98       |
| 66) Styrene                   | 10.118 | 104  | 191529   | 11.111 | ug/l   | 97       |
| 67) Bromoform                 | 10.292 | 173  | 37392    | 9.027  | ug/l # | 99       |
| 69) Isopropylbenzene          | 10.488 | 105  | 280144   | 10.782 | ug/l   | 100      |
| 70) 1,1,2,2-Tetrachloroethane | 10.784 | 83   | 64890    | 8.776  | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.829 | 75   | 43335m   | 9.168  | ug/l   |          |
| 72) Bromobenzene              | 10.784 | 156  | 67014    | 9.702  | ug/l   | 93       |
| 73) n-propylbenzene           | 10.909 | 120  | 79695    | 10.749 | ug/l   | 95       |
| 74) 2-Chlorotoluene           | 10.989 | 126  | 66252    | 10.337 | ug/l   | 96       |
| 75) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 247201   | 9.200  | ug/l   | 99       |
| 76) 4-Chlorotoluene           | 11.099 | 126  | 72457    | 10.641 | ug/l   | 93       |
| 77) tert-Butylbenzene         | 11.423 | 119  | 237631   | 10.762 | ug/l   | 97       |
| 78) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 255005   | 9.262  | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.645 | 105  | 323673   | 10.813 | ug/l   | 100      |
| 80) Nitrobenzene              | 13.208 | 77   | 19150    | 50.917 | ug/l   | 97       |
| 81) p-Isopropyltoluene        | 11.793 | 119  | 273436   | 9.121  | ug/l   | 99       |
| 82) 1,3-Dichlorobenzene       | 11.748 | 146  | 135334   | 9.555  | ug/l   | 100      |
| 83) 1,4-Dichlorobenzene       | 11.838 | 146  | 138993   | 9.818  | ug/l   | 99       |
| 84) n-Butylbenzene            | 12.211 | 91   | 254239   | 10.789 | ug/l   | 99       |
| 85) 1,2-Dichlorobenzene       | 12.214 | 146  | 131018   | 9.652  | ug/l   | 100      |
| 86) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 13277    | 9.750  | ug/l   | 98       |
| 87) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 85651    | 10.404 | ug/l   | 99       |
| 88) Hexachlorobutadiene       | 14.021 | 225  | 48072    | 9.480  | ug/l   | 98       |
| 89) Naphthalene               | 14.089 | 128  | 175243   | 9.624  | ug/l   | 100      |
| 90) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 86695    | 10.805 | ug/l   | 100      |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU123021\  
 Data File : VU046655.D  
 Acq On : 30 Dec 2021 17:48  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDCCC010EC

### Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 12/31/2021  
 Supervised By : Mahesh Dadoda 01/03/2022

Quant Time: Dec 31 07:28:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U123021DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Thu Dec 30 12:44:59 2021  
 Response via : Initial Calibration

