

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU111224\  
 Data File : VU061595.D  
 Acq On : 12 Nov 2024 08:30  
 Operator : MD/SY  
 Sample : VSTDICC0.5  
 Misc : 25mL/MSVOA\_U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Manual Integrations  
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/13/2024  
 Supervised By : Mahesh Dadoda 11/13/2024

Quant Time: Nov 13 04:40:16 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U111224DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Nov 13 04:39:24 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon | Response | Conc  | Units    | Dev(Min) |
|------------------------------|--------|------|----------|-------|----------|----------|
| -----                        |        |      |          |       |          |          |
| Internal Standards           |        |      |          |       |          |          |
| 1) Fluorobenzene             | 6.110  | 96   | 47452    | 1.000 | ug/l     | # 0.00   |
| System Monitoring Compounds  |        |      |          |       |          |          |
| 57) 4-Bromofluorobenzene     | 10.631 | 95   | 16791    | 1.020 | ug/l     | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | =     | 102.000% |          |
| 68) 1,2-Dichlorobenzene-d4   | 12.190 | 152  | 15262    | 0.931 | ug/l     | 0.00     |
| Spiked Amount                | 1.000  |      | Recovery | =     | 93.000%  |          |
| Target Compounds             |        |      |          |       |          |          |
|                              |        |      |          |       |          | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.383  | 85   | 6214     | 0.509 | ug/l     | 100      |
| 3) Chloromethane             | 1.519  | 50   | 6039     | 0.518 | ug/l     | 93       |
| 4) Vinyl Chloride            | 1.602  | 62   | 6544     | 0.499 | ug/l     | 96       |
| 5) Bromomethane              | 1.856  | 94   | 4422     | 0.534 | ug/l     | 98       |
| 6) Chloroethane              | 1.933  | 64   | 6805     | 0.641 | ug/l     | 91       |
| 7) Trichlorofluoromethane    | 2.133  | 101  | 9515     | 0.507 | ug/l     | 95       |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.576  | 101  | 4911     | 0.488 | ug/l     | 99       |
| 9) 1,1-Dichloroethene        | 2.576  | 96   | 5118     | 0.486 | ug/l     | 95       |
| 11) Allyl Chloride           | 2.917  | 41   | 5853     | 0.480 | ug/l     | 93       |
| 12) Acrylonitrile            | 3.348  | 53   | 1795m    | 0.862 | ug/l     |          |
| 13) Acetone                  | 2.647  | 43   | 9478     | 3.259 | ug/l     | 99       |
| 14) Carbon Disulfide         | 2.789  | 76   | 17087    | 0.502 | ug/l     | 100      |
| 15) Methylene Chloride       | 3.043  | 84   | 6311     | 0.496 | ug/l     | 99       |
| 16) trans-1,2-Dichloroethene | 3.351  | 96   | 5825     | 0.476 | ug/l     | 98       |
| 17) 1,1-Dichloroethane       | 3.862  | 63   | 10437    | 0.478 | ug/l     | 98       |
| 18) 2-Butanone               | 4.740  | 43   | 8220     | 2.437 | ug/l     | 96       |
| 19) Cyclohexane              | 5.377  | 56   | 8433m    | 0.476 | ug/l     |          |
| 20) Methylcyclohexane        | 6.756  | 83   | 9131     | 0.460 | ug/l     | 97       |
| 21) 2,2-Dichloropropane      | 4.650  | 77   | 8948     | 0.510 | ug/l     | 96       |
| 22) cis-1,2-Dichloroethene   | 4.663  | 96   | 6443     | 0.483 | ug/l     | 97       |
| 23) Diethyl Ether            | 2.377  | 59   | 3776     | 0.481 | ug/l     | 93       |
| 25) Methyl tert-Butyl Ether  | 3.358  | 73   | 11842    | 0.459 | ug/l     | 96       |
| 26) Bromochloromethane       | 4.972  | 128  | 2763     | 0.470 | ug/l     | 96       |
| 27) Chloroform               | 5.081  | 83   | 11123    | 0.481 | ug/l     | 91       |
| 28) 1,1,1-Trichloroethane    | 5.306  | 97   | 8654     | 0.453 | ug/l     | 96       |
| 29) 1,1-Dichloropropene      | 5.525  | 75   | 8203     | 0.477 | ug/l     | 94       |
| 30) Carbon Tetrachloride     | 5.515  | 117  | 7412     | 0.452 | ug/l     | 99       |
| 31) Isopropyl Ether          | 3.985  | 45   | 13516    | 0.465 | ug/l     | 98       |
| 32) Ethyl-t-butyl ether      | 4.489  | 59   | 12887    | 0.464 | ug/l     | 100      |
| 33) Tert-Amyl methyl ether   | 5.936  | 73   | 11082    | 0.442 | ug/l     | 98       |
| 34) Propionitrile            | 4.827  | 54   | 1698m    | 2.155 | ug/l     |          |
| 35) Benzene                  | 5.772  | 78   | 23267    | 0.454 | ug/l     | 95       |
| 36) 1,2-Dichloroethane       | 5.792  | 62   | 6867     | 0.483 | ug/l     | 95       |
| 37) Trichloroethene          | 6.541  | 130  | 6131     | 0.452 | ug/l     | 95       |
| 38) 1,2-Dichloropropane      | 6.785  | 63   | 6261     | 0.487 | ug/l     | 100      |
| 39) Methacrylonitrile        | 5.007  | 41   | 1043m    | 0.370 | ug/l     |          |
| 40) Methyl acrylate          | 4.914  | 55   | 2273m    | 0.445 | ug/l     |          |
| 41) Tetrahydrofuran          | 5.078  | 42   | 1484m    | 0.931 | ug/l     |          |
| 42) 1-Chlorobutane           | 5.454  | 56   | 9343     | 0.436 | ug/l     | 83       |
| 43) Dibromomethane           | 6.917  | 93   | 3200     | 0.470 | ug/l     | 98       |
| 44) Bromodichloromethane     | 7.100  | 83   | 7063     | 0.459 | ug/l     | 93       |
| 45) 4-Methyl-2-Pentanone     | 7.795  | 43   | 15419    | 2.434 | ug/l     | 97       |
| 46) t-1,4-Dichloro-2-butene  | 10.820 | 75   | 3130m    | 0.894 | ug/l     |          |

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Nov 13 04:40:16 2024  
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Wed Nov 13 04:39:24 2024  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 47) Methyl methacrylate       | 6.972  | 69   | 4318     | 0.799 | ug/l   | 94       |
| 48) Ethyl methacrylate        | 8.338  | 69   | 4557     | 0.415 | ug/l   | 100      |
| 49) Toluene                   | 7.968  | 92   | 14089    | 0.451 | ug/l   | 100      |
| 50) t-1,3-Dichloropropene     | 8.210  | 75   | 5699     | 0.414 | ug/l   | 99       |
| 51) cis-1,3-Dichloropropene   | 7.605  | 75   | 8145     | 0.461 | ug/l   | 96       |
| 52) 1,1,2-Trichloroethane     | 8.396  | 97   | 4538     | 0.486 | ug/l   | 92       |
| 53) 1,3-Dichloropropane       | 8.570  | 76   | 7249     | 0.455 | ug/l   | 99       |
| 54) 2-Hexanone                | 8.692  | 43   | 16101    | 2.983 | ug/l   | 92       |
| 55) Dibromochloromethane      | 8.804  | 129  | 4145     | 0.410 | ug/l   | 95       |
| 56) 1,2-Dibromoethane         | 8.920  | 107  | 3982     | 0.454 | ug/l   | 98       |
| 58) Tetrachloroethene         | 8.547  | 164  | 5802     | 0.476 | ug/l   | 98       |
| 59) Chlorobenzene             | 9.444  | 112  | 15558    | 0.450 | ug/l   | 99       |
| 60) 1,1,1,2-Tetrachloroethane | 9.528  | 131  | 4937     | 0.433 | ug/l   | 91       |
| 61) Pentachloroethane         | 11.415 | 117  | 3639     | 0.424 | ug/l   | 90       |
| 62) Hexachloroethane          | 12.467 | 117  | 2905     | 0.678 | ug/l   | 99       |
| 63) Ethyl Benzene             | 9.566  | 91   | 25730    | 0.442 | ug/l   | 96       |
| 64) m/p-Xylenes               | 9.689  | 106  | 18762    | 0.838 | ug/l   | 97       |
| 65) o-Xylene                  | 10.097 | 106  | 9773     | 0.447 | ug/l   | 92       |
| 66) Styrene                   | 10.113 | 104  | 12886    | 0.597 | ug/l   | 98       |
| 67) Bromoform                 | 10.287 | 173  | 2104     | 0.401 | ug/l # | 93       |
| 69) Isopropylbenzene          | 10.480 | 105  | 21818    | 0.427 | ug/l   | 99       |
| 70) 1,1,2,2-Tetrachloroethane | 10.775 | 83   | 5351     | 0.466 | ug/l   | 99       |
| 71) 1,2,3-Trichloropropane    | 10.820 | 75   | 4344m    | 0.464 | ug/l   |          |
| 72) Bromobenzene              | 10.782 | 156  | 5845     | 0.432 | ug/l   | 79       |
| 73) n-propylbenzene           | 10.901 | 120  | 6300     | 0.417 | ug/l   | 99       |
| 74) 2-Chlorotoluene           | 10.981 | 126  | 5411     | 0.402 | ug/l   | 89       |
| 75) 1,3,5-Trimethylbenzene    | 11.081 | 105  | 18804    | 0.407 | ug/l   | 97       |
| 76) 4-Chlorotoluene           | 11.097 | 126  | 5451     | 0.393 | ug/l   | 84       |
| 77) tert-Butylbenzene         | 11.412 | 119  | 18183    | 0.403 | ug/l   | 96       |
| 78) 1,2,4-Trimethylbenzene    | 11.463 | 105  | 18414    | 0.572 | ug/l   | 99       |
| 79) sec-Butylbenzene          | 11.637 | 105  | 24523    | 0.410 | ug/l   | 98       |
| 81) p-Isopropyltoluene        | 11.788 | 119  | 18789    | 0.584 | ug/l   | 95       |
| 82) 1,3-Dichlorobenzene       | 11.743 | 146  | 11451    | 0.437 | ug/l   | 98       |
| 83) 1,4-Dichlorobenzene       | 11.833 | 146  | 11578    | 0.442 | ug/l   | 96       |
| 84) n-Butylbenzene            | 12.203 | 91   | 17270    | 0.582 | ug/l   | 98       |
| 85) 1,2-Dichlorobenzene       | 12.209 | 146  | 10790    | 0.436 | ug/l   | 98       |
| 86) 1,2-Dibromo-3-Chloropr... | 13.000 | 75   | 611      | 0.706 | ug/l   | 88       |
| 87) 1,2,4-Trichlorobenzene    | 13.840 | 180  | 5587     | 0.755 | ug/l   | 99       |
| 88) Hexachlorobutadiene       | 14.013 | 225  | 3678     | 0.445 | ug/l   | 96       |
| 89) Naphthalene               | 14.094 | 128  | 8747     | 0.875 | ug/l   | 97       |
| 90) 1,2,3-Trichlorobenzene    | 14.328 | 180  | 5231     | 0.774 | ug/l   | 97       |

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

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Misc : 25mL/MSVOA\_U/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
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