

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU101724\  
 Data File : VU061146.D  
 Acq On : 17 Oct 2024 15:39  
 Operator : MD/SY  
 Sample : VSTDICV010  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU101724

Quant Time: Oct 18 02:58:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Oct 18 02:52:28 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | AvgRF | CCRF  | %Dev    | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|---------|-------|----------|
| 1 i   | Fluorobenzene               | 1.000 | 1.000 | 0.0     | 116   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.551 | 0.271 | 50.8#   | 54    | 0.00     |
| 3 t   | Chloromethane               | 0.524 | 0.333 | 36.5#   | 72    | 0.00     |
| 4 Rt  | Vinyl Chloride              | 0.538 | 0.369 | 31.4#   | 75    | 0.00     |
| 5 T   | Bromomethane                | 0.338 | 0.207 | 38.8#   | 66    | 0.00     |
| 6 T   | Chloroethane                | 0.361 | 0.318 | 11.9    | 98    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 0.766 | 0.874 | -14.1   | 126   | 0.00     |
| 8     | 1,1,2-Trichloro-1,2,2-trifl | 0.381 | 0.386 | -1.3    | 109   | 0.00     |
| 9 Rt  | 1,1-Dichloroethene          | 0.397 | 0.366 | 7.8     | 99    | 0.00     |
| 10 t  | Iodomethane                 | 0.472 | 0.442 | 6.4     | 99    | 0.00     |
| 11 t  | Allyl Chloride              | 0.511 | 0.506 | 1.0     | 106   | 0.00     |
| 12 t  | Acrylonitrile               | 0.080 | 0.207 | -158.8# | 286#  | 0.00     |
| 13 T  | Acetone                     | 0.104 | 0.097 | 6.7     | 95    | 0.00     |
| 14 T  | Carbon Disulfide            | 1.367 | 0.846 | 38.1#   | 67    | 0.00     |
| 15 RT | Methylene Chloride          | 0.513 | 0.464 | 9.6     | 106   | 0.00     |
| 16 RT | trans-1,2-Dichloroethene    | 0.465 | 0.388 | 16.6    | 90    | 0.00     |
| 17 t  | 1,1-Dichloroethane          | 0.825 | 0.812 | 1.6     | 107   | 0.00     |
| 18 T  | 2-Butanone                  | 0.127 | 0.116 | 8.7     | 95    | 0.00     |
| 19    | Cyclohexane                 | 0.739 | 0.604 | 18.3    | 88    | 0.00     |
| 20    | Methylcyclohexane           | 0.824 | 0.739 | 10.3    | 93    | 0.00     |
| 21 T  | 2,2-Dichloropropane         | 0.761 | 0.760 | 0.1     | 109   | 0.00     |
| 22 RT | cis-1,2-Dichloroethene      | 0.507 | 0.524 | -3.4    | 111   | 0.00     |
| 23 t  | Diethyl Ether               | 0.308 | 0.279 | 9.4     | 103   | 0.00     |
| 24 t  | tert-Butyl Alcohol          | 0.032 | 0.020 | 37.5#   | 76    | 0.09     |
| 25 t  | Methyl tert-Butyl Ether     | 1.063 | 1.093 | -2.8    | 113   | 0.00     |
| 26 t  | Bromochloromethane          | 0.212 | 0.184 | 13.2    | 95    | 0.00     |
| 27 t  | Chloroform                  | 0.865 | 0.869 | -0.5    | 109   | 0.00     |
| 28 RT | 1,1,1-Trichloroethane       | 0.763 | 0.760 | 0.4     | 107   | 0.00     |
| 29 T  | 1,1-Dichloropropene         | 0.674 | 0.561 | 16.8    | 89    | 0.00     |
| 30 RT | Carbon Tetrachloride        | 0.662 | 0.637 | 3.8     | 101   | 0.00     |
| 31 t  | Isopropyl Ether             | 1.177 | 1.241 | -5.4    | 114   | 0.00     |
| 32    | Ethyl-t-butyl ether         | 1.210 | 0.000 | 100.0#  | 0#    | -4.49#   |
| 33    | Tert-Amyl methyl ether      | 1.089 | 0.000 | 100.0#  | 0#    | -5.93#   |
| 34 t  | Propionitrile               | 0.030 | 0.071 | -136.7# | 242#  | 0.00     |
| 35 RT | Benzene                     | 1.898 | 1.802 | 5.1     | 102   | 0.00     |
| 36 RT | 1,2-Dichloroethane          | 0.536 | 0.497 | 7.3     | 100   | 0.00     |
| 37 RT | Trichloroethene             | 0.507 | 0.448 | 11.6    | 95    | 0.00     |
| 38 Rt | 1,2-Dichloropropane         | 0.481 | 0.451 | 6.2     | 100   | 0.00     |
| 39 t  | Methacrylonitrile           | 0.109 | 0.122 | -11.9   | 112   | 0.00     |
| 40 t  | Methyl acrylate             | 0.222 | 0.237 | -6.8    | 119   | 0.00     |
| 41 t  | Tetrahydrofuran             | 0.066 | 0.161 | -143.9# | 285#  | 0.00     |
| 42 t  | 1-Chlorobutane              | 0.865 | 0.806 | 6.8     | 98    | 0.00     |
| 43 T  | Dibromomethane              | 0.249 | 0.245 | 1.6     | 108   | 0.00     |
| 44 T  | Bromodichloromethane        | 0.606 | 0.658 | -8.6    | 117   | 0.00     |
| 45 T  | 4-Methyl-2-Pentanone        | 0.250 | 0.267 | -6.8    | 115   | 0.00     |
| 46 t  | t-1,4-Dichloro-2-butene     | 0.100 | 0.056 | 44.0#   | 56    | 0.00     |
| 47 t  | Methyl methacrylate         | 0.217 | 0.112 | 48.4#   | 54    | 0.00     |
| 48 t  | Ethyl methacrylate          | 0.462 | 0.485 | -5.0    | 111   | 0.00     |
| 49 Rt | Toluene                     | 1.199 | 1.163 | 3.0     | 103   | 0.00     |

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Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 ICVVU101724

Quant Time: Oct 18 02:58:58 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\524U101724DW.M  
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER  
 QLast Update : Fri Oct 18 02:52:28 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 200%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 50 T  | t-1,3-Dichloropropene       | 0.584 | 0.597 | -2.2  | 107   | 0.00     |
| 51 T  | cis-1,3-Dichloropropene     | 0.717 | 0.700 | 2.4   | 102   | 0.00     |
| 52 RT | 1,1,2-Trichloroethane       | 0.336 | 0.336 | 0.0   | 109   | 0.00     |
| 53 t  | 1,3-Dichloropropane         | 0.591 | 0.565 | 4.4   | 103   | 0.00     |
| 54 t  | 2-Hexanone                  | 0.206 | 0.208 | -1.0  | 104   | 0.00     |
| 55 t  | Dibromochloromethane        | 0.397 | 0.428 | -7.8  | 113   | 0.00     |
| 56 T  | 1,2-Dibromoethane           | 0.323 | 0.311 | 3.7   | 103   | 0.00     |
| 57 S  | 4-Bromofluorobenzene        | 0.531 | 0.509 | 4.1   | 106   | 0.00     |
| 58 RT | Tetrachloroethene           | 0.430 | 0.408 | 5.1   | 102   | 0.00     |
| 59 Rt | Chlorobenzene               | 1.292 | 1.307 | -1.2  | 107   | 0.00     |
| 60 T  | 1,1,1,2-Tetrachloroethane   | 0.436 | 0.440 | -0.9  | 108   | 0.00     |
| 61 t  | Pentachloroethane           | 0.333 | 0.384 | -15.3 | 118   | 0.00     |
| 62 t  | Hexachloroethane            | 0.344 | 0.398 | -15.7 | 117   | 0.00     |
| 63 Rt | Ethyl Benzene               | 2.314 | 2.323 | -0.4  | 106   | 0.00     |
| 64 RT | m/p-Xylenes                 | 0.881 | 0.895 | -1.6  | 106   | 0.00     |
| 65 RT | o-Xylene                    | 0.867 | 0.882 | -1.7  | 107   | 0.00     |
| 66 RT | Styrene                     | 1.349 | 1.473 | -9.2  | 112   | 0.00     |
| 67 t  | Bromoform                   | 0.208 | 0.232 | -11.5 | 114   | 0.00     |
| 68 S  | 1,2-Dichlorobenzene-d4      | 0.524 | 0.524 | 0.0   | 110   | 0.00     |
| 69 T  | Isopropylbenzene            | 2.064 | 2.331 | -12.9 | 118   | 0.00     |
| 70 T  | 1,1,2,2-Tetrachloroethane   | 0.408 | 0.424 | -3.9  | 113   | 0.00     |
| 71 T  | 1,2,3-Trichloropropane      | 0.333 | 0.341 | -2.4  | 113   | 0.00     |
| 72 t  | Bromobenzene                | 0.496 | 0.515 | -3.8  | 110   | 0.00     |
| 73 t  | n-propylbenzene             | 0.602 | 0.628 | -4.3  | 107   | 0.00     |
| 74 t  | 2-Chlorotoluene             | 0.521 | 0.555 | -6.5  | 111   | 0.00     |
| 75 t  | 1,3,5-Trimethylbenzene      | 1.861 | 2.004 | -7.7  | 111   | 0.00     |
| 76 t  | 4-Chlorotoluene             | 0.529 | 0.560 | -5.9  | 110   | 0.00     |
| 77 t  | tert-Butylbenzene           | 1.839 | 2.022 | -10.0 | 114   | 0.00     |
| 78 t  | 1,2,4-Trimethylbenzene      | 1.878 | 1.983 | -5.6  | 109   | 0.00     |
| 79 t  | sec-Butylbenzene            | 2.395 | 2.618 | -9.3  | 112   | 0.00     |
| 80    | Nitrobenzene                | 0.009 | 0.002 | 77.8# | 21    | 0.00     |
| 81 t  | p-Isopropyltoluene          | 1.983 | 2.168 | -9.3  | 112   | 0.00     |
| 82 t  | 1,3-Dichlorobenzene         | 0.952 | 1.054 | -10.7 | 115   | 0.00     |
| 83 Rt | 1,4-Dichlorobenzene         | 0.949 | 1.040 | -9.6  | 113   | 0.00     |
| 84 t  | n-Butylbenzene              | 1.840 | 2.067 | -12.3 | 112   | 0.00     |
| 85 Rt | 1,2-Dichlorobenzene         | 0.890 | 0.984 | -10.6 | 116   | 0.00     |
| 86 t  | 1,2-Dibromo-3-Chloropropane | 0.061 | 0.069 | -13.1 | 111   | 0.00     |
| 87 Rt | 1,2,4-Trichlorobenzene      | 0.509 | 0.632 | -24.2 | 122   | 0.00     |
| 88 t  | Hexachlorobutadiene         | 0.288 | 0.317 | -10.1 | 113   | 0.00     |
| 89 t  | Naphthalene                 | 0.898 | 1.119 | -24.6 | 125   | 0.00     |
| 90 t  | 1,2,3-Trichlorobenzene      | 0.457 | 0.536 | -17.3 | 117   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0