Certificate of Analysis

Volatiles Sample

Catalog Number: QCM-110

Code Number: 35831

This ULTRAcheck™ sample was gravimetrically prepared, and the analyte concentrations were confirmed using high resolution gas chromatography. All operations were carried out under ULTRA Scientific's ISO 9001 registered quality system. The true values represent the gravimetrically determined values when the sample has been prepared according to the accompanying instructions. All gravimetric values are traceable to NIST.

Analyte	CAS #	True Value (µg/L)	Advisory Range*
benzene	71-43-2	1.20	0.72 - 1.69
n-butylbenzene	104-51-8	9.44	5.66 - 13.22
tert-butylbenzene	98-06-6	10.5	8.4 - 12.5
carbon tetrachloride	56-23-5	15.1	12.0 - 18.1
chlorobenzene	108-90-7	10.1	8.1 - 12.2
2-chlorotoluene	95-49-8	1.91	1.14 - 2.67
1,2-dibromo-3-chloropropane	96-12-8	12.1	7.3 - 17.0
dibromomethane	74-95-3	12.8	10.2 - 15.4
1,2-dichlorobenzene	95-50-1	4.02	2.41 - 5.63
1,3-dichlorobenzene	541-73-1	12.6	10.0 - 15.1
1,4-dichlorobenzene	106-46-7	2.25	1.35 - 3.15
1,2-dichloroethane	107-06-2	16.1	12.8 - 19.3
1,1-dichloroethene	75-35-4	9.02	5.41 - 12.63
cis-1,2-dichloroethene	156-59-4	17.5	14.0 - 21.0
trans-1,2-dichloroethene	156-60-5	10.1	8.1 - 12.1
1,1-dichloropropene	563-58-6	3.32	1.99 - 4.64
ethylbenzene	100-41-4	1.11	0.66 - 1.55
styrene	100-42-5	3.92	2.35 - 5.49
tetrachloroethene	127-18-4	19.0	15.2 - 22.8
toluene	108-88-3	14.1	11.2 - 16.9
1,1,1-trichloroethane	71-55-6	9.77	5.86 - 13.68
trichloroethene	79-01-6	12.3	9.8 - 14.7
vinyl chloride	75-01-4	10.0	6.0 - 14.1
o-xylene	95-47-6	7.53	4.52 - 10.54
m-xylene	108-38-3	8.53	5.12 - 11.94
p-xylene	106-42-3	10.6	8.4 - 12.7

* Calculated from the NELAC Drinking Water Fields of Testing Document, effective 1/1/09.

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