

Certificate of Analysis

ISO 17034

VOC Standard

Product Number: DWM-580-1

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Lot Number: 0006472371

Lot Issue Date: 07-Jun-2019

Expiration Date: 31-Jul-2021

This ISO 17034 Reference Material (RM) was manufactured and verified in accordance with Agilent's ISO 9001 registered quality system, and the analyte concentrations were verified by our ISO 17025 accredited laboratory. The true value and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	True Value
bromochloromethane	000074-97-5	RM00009	200.3 ± 1.0 µg/mL
bromodichloromethane	000075-27-4	RM14215	200.3 ± 1.0 µg/mL
bromoform	000075-25-2	RM07516	200.5 ± 1.0 µg/mL
carbon tetrachloride	000056-23-5	RM07576	200.1 ± 1.0 µg/mL
chloroform	000067-66-3	RM13988	200.6 ± 1.0 µg/mL
dibromochloromethane	000124-48-1	RM13909	200.3 ± 1.0 µg/mL
dibromomethane	000074-95-3	RM12878	200.4 ± 1.0 µg/mL
methylene chloride	000075-09-2	RM11650	200.3 ± 1.0 µg/mL
1,2-dibromoethane	000106-93-4	RM00018	200.8 ± 1.0 µg/mL
1,1-dichloroethane	000075-34-3	RM14251	200.8 ± 1.0 µg/mL
1,2-dichloroethane	000107-06-2	RM04655	200.9 ± 1.0 µg/mL
1,1-dichloroethene	000075-35-4	RM13648	200.8 ± 1.0 µg/mL
cis-1,2-dichloroethene	000156-59-2	RM12063	201.0 ± 1.0 µg/mL
trans-1,2-dichloroethene	000156-60-5	RM12715	200.9 ± 1.0 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	RM12632	200.9 ± 1.0 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	NT00390	201.0 ± 1.0 µg/mL
tetrachloroethene	000127-18-4	RM06491	200.9 ± 1.0 µg/mL
1,1,1-trichloroethane	000071-55-6	RM14226	200.8 ± 1.0 µg/mL
1,1,2-trichloroethane	000079-00-5	RM01175	200.8 ± 1.0 µg/mL
trichloroethene	000079-01-6	RM14232	200.6 ± 1.0 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	RM12895	200.8 ± 1.0 µg/mL

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Analyte	CAS#	Analyte Lot	True Value
1,2-dichloropropane	000078-87-5	RM12821	200.9 ± 1.0 µg/mL
1,3-dichloropropane	000142-28-9	RM02080	200.8 ± 1.0 µg/mL
2,2-dichloropropane	000594-20-7	RM12927	200.8 ± 1.0 µg/mL
1,1-dichloropropene	000563-58-6	RM14334	200.8 ± 1.0 µg/mL
cis-1,3-dichloropropene	010061-01-5	RM12891	201.0 ± 1.0 µg/mL
trans-1,3-dichloropropene	010061-02-6	RM12254	200.9 ± 1.0 µg/mL
hexachlorobutadiene	000087-68-3	RM09157	200.8 ± 1.0 µg/mL
1,2,3-trichloropropane	000096-18-4	RM13082	200.9 ± 1.0 µg/mL
benzene	000071-43-2	RM03830	200.9 ± 1.0 µg/mL
n-butylbenzene	000104-51-8	RM03661	200.9 ± 1.0 µg/mL
sec-butylbenzene	000135-98-8	RM10905	200.9 ± 1.0 µg/mL
tert-butylbenzene	000098-06-6	RM14040	200.8 ± 1.0 µg/mL
ethylbenzene	000100-41-4	RM12195	200.8 ± 1.0 µg/mL
isopropylbenzene	000098-82-8	RM00835	200.9 ± 1.0 µg/mL
4-isopropyltoluene	000099-87-6	RM09747	200.9 ± 1.0 µg/mL
naphthalene	000091-20-3	NT00970	200.9 ± 1.0 µg/mL
n-propylbenzene	000103-65-1	RM12785	200.9 ± 1.0 µg/mL
styrene	000100-42-5	RM13393	200.9 ± 1.0 µg/mL
toluene	000108-88-3	RM12707	201.0 ± 1.0 µg/mL
1,2,4-trimethylbenzene	000095-63-6	RM06731	200.9 ± 1.0 µg/mL
1,3,5-trimethylbenzene	000108-67-8	RM12905	200.9 ± 1.0 µg/mL
o-xylene	000095-47-6	RM13768	200.9 ± 1.0 µg/mL
m-xylene	000108-38-3	RM14037	200.9 ± 1.0 µg/mL
p-xylene	000106-42-3	RM02647	200.8 ± 1.0 µg/mL
bromobenzene	000108-86-1	RM10227	201.0 ± 1.0 µg/mL

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Analyte	CAS#	Analyte Lot	True Value
chlorobenzene	000108-90-7	RM01874	200.9 ± 1.0 µg/mL
2-chlorotoluene	000095-49-8	RM13774	200.8 ± 1.0 µg/mL
4-chlorotoluene	000106-43-4	RM11750	200.9 ± 1.0 µg/mL
1,2-dichlorobenzene	000095-50-1	RM13636	200.7 ± 1.0 µg/mL
1,3-dichlorobenzene	000541-73-1	NT00356	200.7 ± 1.0 µg/mL
1,4-dichlorobenzene	000106-46-7	RM12826	201.0 ± 1.0 µg/mL
1,2,3-trichlorobenzene	000087-61-6	RM10193	200.5 ± 1.0 µg/mL
1,2,4-trichlorobenzene	000120-82-1	RM09454	200.9 ± 1.0 µg/mL
bromomethane	000074-83-9	RM00064	201.0 ± 1.0 µg/mL
chloroethane	000075-00-3	RM00065	201.0 ± 1.0 µg/mL
chloromethane	000074-87-3	RM12571	200.9 ± 1.0 µg/mL
dichlorodifluoromethane	000075-71-8	RM05289	201.0 ± 1.0 µg/mL
trichlorofluoromethane	000075-69-4	RM00017	200.3 ± 1.0 µg/mL
vinyl chloride	000075-01-4	RM05458	201.0 ± 1.0 µg/mL

Matrix: methanol (methyl alcohol)

Storage: Store Frozen (-25° to -10°C).

Agilent uses balances calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001, and calibrated Class A glassware in the manufacturing of these standards.


Monica Bourgeois
QMS Representative



ISO 17034 Cert No.
AR-1936

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