



Certificate of Analysis

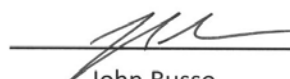
VOC Mixture

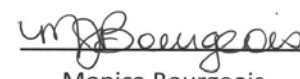
**Agilent Part
Number:** 8500-5902

**Sample Lot
Number:** N082151
Page 1 of 3

This analytical reference material was manufactured and verified in accordance with an ISO 9001 registered quality system, and the analyte concentrations were verified by an ISO 17025 accredited laboratory. The certified value for each analyte was determined gravimetrically.

Analyte	CAS#	Analyte Lot	Certified Value
benzene	000071-43-2	RM03830	201.0 ± 1.0 µg/mL
bromobenzene	000108-86-1	NT00251	200.9 ± 1.0 µg/mL
bromochloromethane	000074-97-5	NT01833	200.9 ± 1.0 µg/mL
bromodichloromethane	000075-27-4	RM06861	200.8 ± 1.0 µg/mL
bromoform	000075-25-2	RM00350	200.1 ± 1.0 µg/mL
n-butylbenzene	000104-51-8	RM03661	200.9 ± 1.0 µg/mL
sec-butylbenzene	000135-98-8	RM01800	200.8 ± 1.0 µg/mL
tert-butylbenzene	000098-06-6	NT01547	200.8 ± 1.0 µg/mL
carbon tetrachloride	000056-23-5	RM07576	200.6 ± 1.0 µg/mL
chlorobenzene	000108-90-7	RM01874	201.0 ± 1.0 µg/mL
chloroform	000067-66-3	RM06503	200.6 ± 1.0 µg/mL
2-chlorotoluene	000095-49-8	RM03906	201.0 ± 1.0 µg/mL
4-chlorotoluene	000106-43-4	NT00292	201.0 ± 1.0 µg/mL
dibromochloromethane	000124-48-1	RM04264	200.6 ± 1.0 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	RM11663	200.9 ± 1.0 µg/mL
1,2-dibromoethane	000106-93-4	RM00018	200.7 ± 1.0 µg/mL
dibromomethane	000074-95-3	NT00378	200.9 ± 1.0 µg/mL
1,2-dichlorobenzene	000095-50-1	NT00355	200.8 ± 1.0 µg/mL
1,3-dichlorobenzene	000541-73-1	NT00356	200.9 ± 1.0 µg/mL
1,4-dichlorobenzene	000106-46-7	RM07548	200.9 ± 1.0 µg/mL
1,1-dichloroethane	000075-34-3	RM09331	200.5 ± 1.0 µg/mL
1,2-dichloroethane	000107-06-2	RM04655	200.7 ± 1.0 µg/mL
1,1-dichloroethene	000075-35-4	RM01356	200.9 ± 1.0 µg/mL
cis-1,2-dichloroethene	000156-59-2	RM09172	200.6 ± 1.0 µg/mL


John Russo
President


Monica Bourgeois
Director of QA/RA



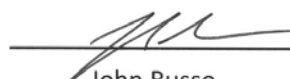
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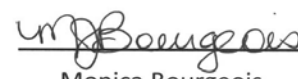
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Sample Lot
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Page 2 of 3

Analyte	CAS#	Analyte Lot	Certified Value
trans-1,2-dichloroethene	000156-60-5	RM07565	200.7 ± 1.0 µg/mL
1,2-dichloropropane	000078-87-5	RM02091	201.0 ± 1.0 µg/mL
1,3-dichloropropane	000142-28-9	RM02080	200.9 ± 1.0 µg/mL
2,2-dichloropropane	000594-20-7	RM04312	200.9 ± 1.0 µg/mL
1,1-dichloropropene	000563-58-6	RM11821	199.6 ± 1.0 µg/mL
cis-1,3-dichloropropene	010061-01-5	RM06629	201.0 ± 1.0 µg/mL
trans-1,3-dichloropropene	010061-02-6	RM01443	201.0 ± 1.0 µg/mL
ethylbenzene	000100-41-4	RM00783	200.9 ± 1.0 µg/mL
hexachlorobutadiene	000087-68-3	RM00438	200.9 ± 1.0 µg/mL
isopropylbenzene	000098-82-8	RM00835	200.9 ± 1.0 µg/mL
4-isopropyltoluene	000099-87-6	RM00046	201.0 ± 1.0 µg/mL
methylene chloride	000075-09-2	RM07671	200.6 ± 1.0 µg/mL
naphthalene	000091-20-3	RM02406	200.9 ± 1.0 µg/mL
n-propylbenzene	000103-65-1	NT02060	200.8 ± 1.0 µg/mL
styrene	000100-42-5	RM06723	201.0 ± 1.0 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	RM00024	200.4 ± 1.0 µg/mL
1,1,1,2,2-tetrachloroethane	000079-34-5	RM02540	200.2 ± 1.0 µg/mL
tetrachloroethene	000127-18-4	RM07570	200.8 ± 1.0 µg/mL
toluene	000108-88-3	RM10201	201.0 ± 1.0 µg/mL
1,2,3-trichlorobenzene	000087-61-6	RM10193	200.9 ± 1.0 µg/mL
1,2,4-trichlorobenzene	000120-82-1	RM09454	200.9 ± 1.0 µg/mL
1,1,1-trichloroethane	000071-55-6	RM00027	200.6 ± 1.0 µg/mL
1,1,2-trichloroethane	000079-00-5	RM01175	200.3 ± 1.0 µg/mL
trichloroethene	000079-01-6	RM06644	200.8 ± 1.0 µg/mL
1,2,3-trichloropropane	000096-18-4	RM09131	201.0 ± 1.0 µg/mL
1,2,4-trimethylbenzene	000095-63-6	RM06731	200.7 ± 1.0 µg/mL
1,3,5-trimethylbenzene	000108-67-8	NT01632	201.0 ± 1.0 µg/mL


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Page 3 of 3

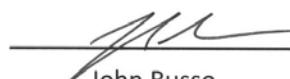
Analyte	CAS#	Analyte Lot	Certified Value
o-xylene	000095-47-6	RM10931	201.0 ± 1.0 µg/mL
m-xylene	000108-38-3	RM09153	200.9 ± 1.0 µg/mL
p-xylene	000106-42-3	RM02647	200.9 ± 1.0 µg/mL

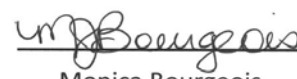
Solvent: methanol (methyl alcohol)

Calibrated Class A glassware and clean bottles were used in the manufacture of this standard. Balances used in the manufacture of this standard are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1 and ISO 9001.

Date of release: 21 September 2016

Date of expiration: 31 October 2019


John Russo
President


Monica Bourgeois
Director of QA/RA