

Supplement of Atmos. Chem. Phys., 18, 16553–16569, 2018
<https://doi.org/10.5194/acp-18-16553-2018-supplement>
© Author(s) 2018. This work is distributed under
the Creative Commons Attribution 4.0 License.



Supplement of

Establishing long-term measurements of halocarbons at Taunus Observatory

Tanja J. Schuck et al.

Correspondence to: Tanja J. Schuck (schuck@iau.uni-frankfurt.de)

The copyright of individual parts of the supplement might differ from the CC BY 4.0 License.

Canister Halocarbon Measurements at Goethe University Frankfurt

List of substances measured with the two mass spectrometers and calibration status (as in October 2018)

Substance		measured with Quadrupole-MS	identified in TOF-MS spectra	calibrated
111-Trichloroethane	CH3CCI3	x	x	x
3-Chloropentafluoropropene	CF2CF2CF2Cl	--	x	--
Bromochloromethane	CH2BrCl	x	x	x
Bromodichloromethane	CHBrCl2	x	x	--
Bromomethane	CH3Br	x	x	x
Carbonyl-sulfide	COS	x	x	x
CFC-11	CFCl3	x	x	x
CFC-112	CFCl2CFCl2	x	x	--
CFC-113	CCl2FCClF2	x	x	x
CFC-114	CClF2CClF2	x	x	x
CFC-115	CClF2CF3	x	x	x
CFC-12	CF2Cl2	x	x	x
Chloroethane	C2H5Cl	x	x	--
Chloromethane	CH3Cl	x	x	x
CTFE	C2F3Cl	x	x	--
Dibromochloromethane	CHBr2Cl	x	x	x
Dibromomethane	CH2Br2	x	x	x
Dichloromethane	CH2Cl2	x	x	x
Halon-1202	CF2Br2	--	x	--
Halon-1211	CBrClF2	x	x	x
Halon-1301	CBrF3	x	x	x
Halon-2311	CF2CHClBr	--	x	--
Halon-2402	CBrF2CBrF2	--	x	x
HCFC-124	CHF2CF2Cl	x	x	--
HCFC-131	CHCl2CFCl	x	x	--
HCFC-132b	CF3CH2Cl	--	x	--
HCFC-133a	CF3CH2Cl	x	x	--
HCFC-141b	CH3CCl2F	x	x	x
HCFC-142b	CH3CClF2	x	x	x
HCFC-21	CHFCl2	--	x	--
HCFC-22	CHClF2	x	x	x
HCFC-225ca	CF2ClCF2CFCl	x	x	--
HCFC-225cb	CF2ClCF2CFCl	--	x	--
HCFC-31	CH2ClF	--	x	--
HFC-1233zd	CHClCHCF3	--	x	--
HFC-1234yf	CH2CF2CF3	--	x	--
HFC-125	CHF2CF3	x	x	x
HFC-134a	CH2FCF3	x	x	x
HFC-143a	CH3CF3	x	x	x
HFC-152a	CH3CHF2	x	x	x
HFC-161	CH3CH2F	x	x	--
HFC-227ea	CF3CHFCF3	x	x	x
HFC-23	CHF3	x	x	x
HFC-236fa	CF3CH2CF3	x	x	x
HFC-245fa	CF3CHCF2H	x	x	x
HFC-32	CH2F2	x	x	--
HFC-329ccb	CF3CF2CF2CF2H	--	x	--
HFC-365mfc	CF3CH2CF2CH3	--	x	x
HFC-41	CH3F	x	x	--
HFO-1234ze	CH2CF2CF3	--	x	--
Iodomethane	CH3I	x	x	x
Isoflurane	CH2FCHFOCHClCF3	--	x	--
PFC-218	C3F8	x	x	x
PFC-318	c_C4F8	x	x	x
Sulfuryl-fluoride	SO2F2	x	x	x
Tetrachloroethene	C2Cl4	x	x	x
Tetrachloromethane	CCl4	x	x	x
Tribromomethane	CHBr3	x	x	x
Trichloroethene	C2HCl3	x	x	x
Trichloromethane	CHCl3	x	x	x