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*Supplement of*

## **Technical note: Inexpensive modification of Exetainers for the reliable storage of trace-level hydrogen and carbon monoxide gas samples**

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**Table S1: Linear regression statistics of gases released from various sealing rubbers, as depicted in Fig. 2. Please refer to Fig. 2 for treatment legend. Significance: \*\*\*  $p < 0.001$ ; \*\*  $p < 0.01$ ; \*  $p < 0.05$**

Treatment	Gas	Slope (ppb h <sup>-1</sup> )	Std Error (ppb h <sup>-1</sup> )	Significance	
				Slope vs. Control	Slope vs. Reference gas
UT2	CH <sub>4</sub>	0.37	0.22		
UT4	CH <sub>4</sub>	0.54	0.40		
Tex	CH <sub>4</sub>	0.05	0.13		
Tgr	CH <sub>4</sub>	0.94	0.14	***	***
Tbl	CH <sub>4</sub>	0.34	0.32		
FKM	CH <sub>4</sub>	1.69	0.12	***	***
NBR	CH <sub>4</sub>	0.27	0.07	**	***
SPA	CH <sub>4</sub>	0.49	0.08	***	***
SPB	CH <sub>4</sub>	0.52	0.18	*	*
SSW	CH <sub>4</sub>	0.47	0.11	**	***
Con	CH <sub>4</sub>	0.04	0.09	n.a.	
Con3	CH <sub>4</sub>	-0.01	0.57	n.a.	
UT2	CO	163	10.3	***	***
UT4	CO	322	17.0	***	***
Tex	CO	45.0	3.37	***	***
Tgr	CO	17.7	0.52	***	***
Tbl	CO	17.3	1.80	***	***
FKM	CO	11.0	1.85	***	***
NBR	CO	18.9	1.06	***	***
SPA	CO	8.18	1.90	*	***
SPB	CO	5.59	0.50	***	***
SSW	CO	5.83	0.59	**	***
Con	CO	3.58	0.21	n.a.	***
Con3	CO	6.20	0.74	n.a.	***
UT2	H <sub>2</sub>	79.3	6.03	***	***
UT4	H <sub>2</sub>	194	18.3	***	***
Tex	H <sub>2</sub>	17.8	1.47	***	***
Tgr	H <sub>2</sub>	3.39	0.22	***	***
Tbl	H <sub>2</sub>	7.46	2.35	*	**
FKM	H <sub>2</sub>	4.84	2.17		*
NBR	H <sub>2</sub>	4.83	1.45	*	**
SPA	H <sub>2</sub>	6.28	2.34		*
SPB	H <sub>2</sub>	3.90	0.67	**	***
SSW	H <sub>2</sub>	3.27	0.97		**
Con	H <sub>2</sub>	1.53	0.13	n.a.	***
Con3	H <sub>2</sub>	4.80	0.67	n.a.	***

n.a.: not applicable

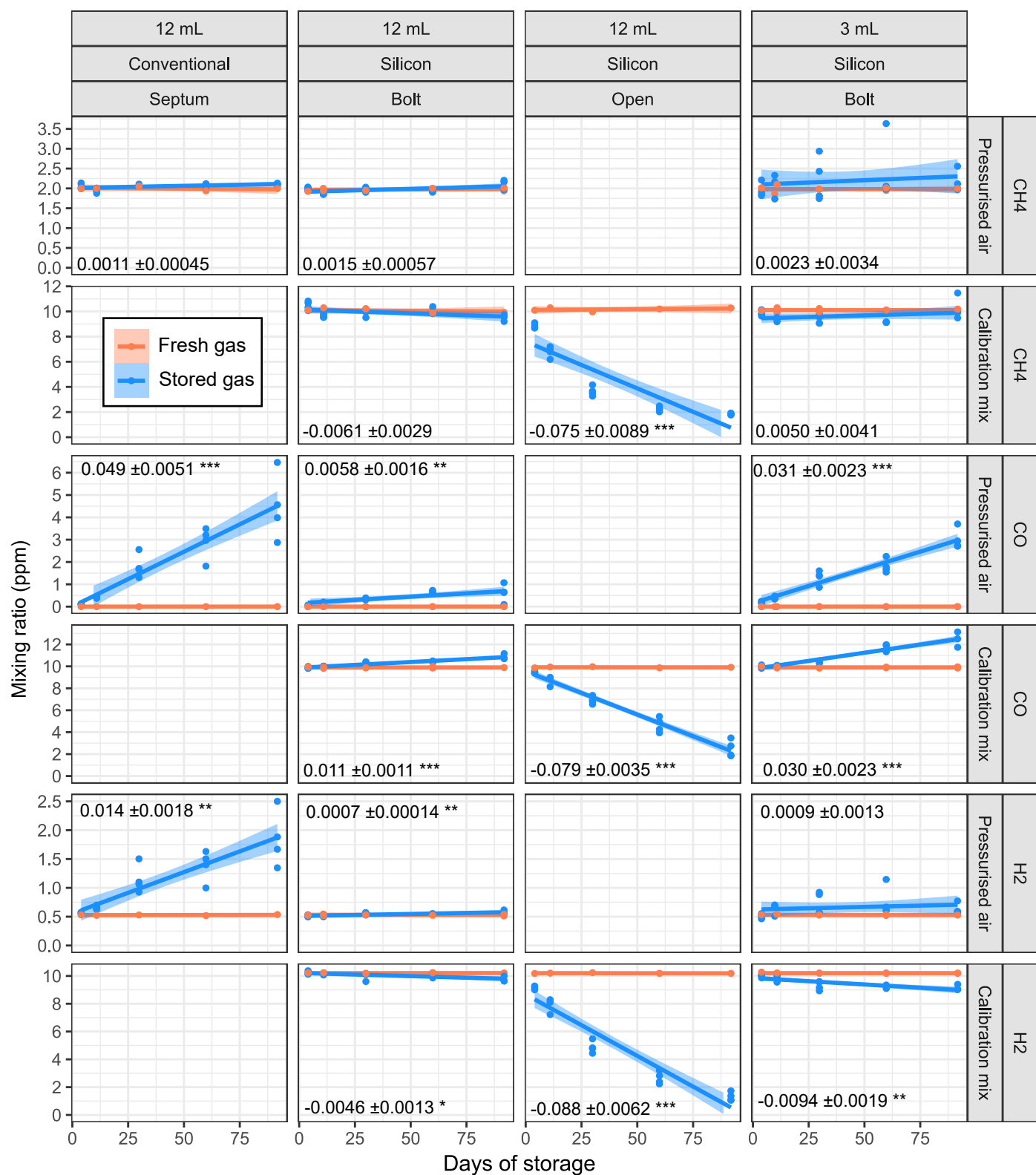


Fig. S1: Mixing ratios of stored gas samples and freshly prepared reference gas samples. The number listed is the slope  $\pm$  standard error of the stored gas mixing ratios calculated using linear regression with interactions; a significant difference to fresh gas is indicated with stars: \*\*\*  $p < 0.001$ ; \*\*  $p < 0.01$ ; \*  $p < 0.05$