

# VSP4000 – Reproduzierbarkeit der Peakflächen

**VSP4000 Bedingungen:** Probe: 40 °C; Ventil: 100 °C; Transferline: 200 °C; Trap: -35 °C;  
Purgezeit: 20min; TT 100s; Interner Standard: Fluorbenzol

**GC Agilent 7890 :** RTX624 + RTX-VRX, je 30m x 0.32 mm x 1.8µm; He 1.5 ml/min  
35 °C / 6 min > 5 °C/min > 90 °C > 10 °C/min > 260 °C / 15 min

**Detektor: FID**

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	VSP 4000																						
2	Ausgangstest, Standard-Wassermethode																						
3	Purge & Trap Modus																						
4	Peak area (counts)	Vinylchlorid	Pentan	Dichlormethan	trans 1,2-Dichlorethylen	Hexan	1,1,1-Trichlorethan	Benzol	Trichlorethylen	Toluol	Oktan	Tetrachlorethylen	Ethylbenzol	m-Xylol	Styrol	n-Propylbenzene	2-Chlortoluol	1,3,5-Trimethylbenzol	n-Butylbenzene	1,2-Dichlorbenzene	1,2,4-Trichlorbenzol	Naphtalene	
5	concentration (ppb)	2,08	0,78	1,67	1,57	0,83	1,67	1,10	1,83	1,08	0,88	2,03	1,08	1,08	1,13	1,08	1,35	1,08	1,08	1,63	1,82	1,24	
6	carbon (%)	38,40	83,33	14,13	24,76	83,72	17,98	92,17	18,25	91,16	84,04	14,47	90,42	90,42	92,17	89,85	66,36	89,85	89,41	48,98	39,68	93,61	
7	checkout 1	2,6144	2,1551	0,6668	1,3077	2,5110	1,0635	3,5264	0,9938	3,4435	2,7190	0,9840	3,2979	3,3194	1,0306	3,3143	3,1553	3,3890	2,9957	2,4084	1,9575	1,7618	
8	checkout 2	2,6450	2,1746	0,6800	1,3143	2,5235	1,0639	3,5299	1,0251	3,5084	2,7513	1,0040	3,3535	3,3746	1,0489	3,3541	3,2160	3,4470	3,0153	2,4598	1,9705	1,8339	
9	checkout 3	2,6380	2,1795	0,6731	1,3144	2,5308	1,0633	3,5585	1,0215	3,4792	2,7463	0,9991	3,3410	3,3608	1,0568	3,3392	3,1950	3,4230	2,9676	2,4255	1,9213	1,8049	
10	checkout 4	2,6277	2,1827	0,6760	1,3083	2,5385	1,0557	3,5488	1,0315	3,4259	2,6605	0,9962	3,3088	3,3250	1,0501	3,2973	3,1592	3,3970	2,9345	2,4308	1,9232	1,8564	
11	checkout 5	2,6423	2,1831	0,6729	1,3014	2,5416	1,0633	3,5581	1,0217	3,4740	2,7170	0,9834	3,3164	3,3298	1,0280	3,3095	3,1755	3,4190	2,9328	2,4430	1,9340	1,8486	
12	checkout 6	2,6422	2,1895	0,6840	1,3336	2,5432	1,0786	3,6099	1,0303	3,5142	2,7292	1,0010	3,3589	3,3739	1,0704	3,3317	3,2288	3,4510	2,9337	2,4790	1,9727	1,8389	
13	checkout 7	2,6307	2,1690	0,6839	1,3172	2,5403	1,0824	3,5664	1,0316	3,4920	2,6516	0,9905	3,3603	3,3808	1,0592	3,3264	3,2173	3,4480	2,9023	2,4603	1,9539	1,8523	
14	checkout 8	2,6360	2,1932	0,6813	1,3266	2,5593	1,0823	3,5638	1,0263	3,5159	2,7094	0,9973	3,3525	3,3664	1,0416	3,3130	3,1956	3,4440	2,8925	2,4616	1,9462	1,8116	
15	checkout 9	2,6296	2,1918	0,6675	1,3204	2,5411	1,0798	3,6060	1,0311	3,4667	2,6195	0,9856	3,3474	3,3568	1,0646	3,2899	3,2122	3,4070	2,8440	2,4541	1,9163	1,8367	
16	checkout 10	2,6086	2,1803	0,6826	1,3109	2,5397	1,0614	3,5721	1,0257	3,5203	2,6554	0,9731	3,3572	3,3690	1,0614	3,2933	3,2003	3,4240	2,8197	2,4767	1,9206	1,8565	
17	Mean	2,6315	2,1799	0,6768	1,3155	2,5369	1,0694	3,5640	1,0239	3,4840	2,6959	0,9914	3,3394	3,3557	1,0512	3,3169	3,1955	3,4249	2,9238	2,4499	1,9416	1,8302	
18	Standard deviation	0,0121	0,0115	0,0065	0,0095	0,0129	0,0101	0,0275	0,0112	0,0322	0,0454	0,0098	0,0230	0,0225	0,0142	0,0209	0,0250	0,0223	0,0618	0,0227	0,0214	0,0298	
19	Standard deviation (%)	0,46	0,53	0,96	0,72	0,51	0,95	0,77	1,10	0,92	1,69	0,98	0,69	0,67	1,35	0,63	0,78	0,65	2,11	0,93	1,10	1,63	
20																							
21	Response (counts/ppb C)	3,29	3,34	2,86	3,38	3,67	3,55	3,52	3,07	3,53	3,65	3,38	3,41	3,44	1,01	3,43	3,56	3,52	3,04	3,07	2,69	1,58	
22																							
23	Standard dev. < 3 %																						
24	Standard dev. 3 < 5 %																						
25																							
26																							
27																							

