

sample 1 - results (part 1)

participant number	1-butanol		butyl acetate		ethylbenzene	
	result ($\mu\text{g} / \text{m}^3$)	z - score	result ($\mu\text{g} / \text{m}^3$)	z - score	result ($\mu\text{g} / \text{m}^3$)	z - score
5	15,32		15,70	1,1	11,36	0,1
40	18,18		15,51	0,9	12,47	1,0
95	11,83		16,63	1,7	13,31	1,8
135	9,60		11,40	2,0	10,70	0,5
150	16,16		15,96	1,2	11,26	0,0
166	20,50		17,00	2,0	16,00	4,2
213	8,55		9,46	3,3	9,70	1,4

marked fields are outliers

	Toluene-equivalent ($\mu\text{g} / \text{m}^3$)		Toluene-equivalent ($\mu\text{g} / \text{m}^3$)		Toluene-equivalent ($\mu\text{g} / \text{m}^3$)	
213	5,95		8,70		12,30	

	1-butanol	butyl acetate	ethylbenzene
"true result" [$\mu\text{g} / \text{m}^3$]	16,30	14,20	11,30
standard deviation S_k [$\mu\text{g} / \text{m}^3$]		2,898	1,279
rel. standard deviation [%]		19,96	11,16
mean c_k [$\mu\text{g} / \text{m}^3$]		14,52	11,46

sample 1 - results (part 2)

participant number	n-heptane		p-xylene		toluene	
	result ($\mu\text{g} / \text{m}^3$)	z - score	result ($\mu\text{g} / \text{m}^3$)	z - score	result ($\mu\text{g} / \text{m}^3$)	z - score
5	14,82	0,2	16,37	0,4	14,56	0,3
40	16,05	1,0	17,94	1,4	15,78	1,2
95	17,30	1,8	18,37	1,6	16,28	1,5
135	13,20	1,0	15,95	0,1	13,50	0,4
150	15,60	0,7	15,90	0,1	14,05	0,0
166	24,00	6,4	23,00	4,6	17,00	2,1
213	12,65	1,3	13,70	1,3	14,30	0,1

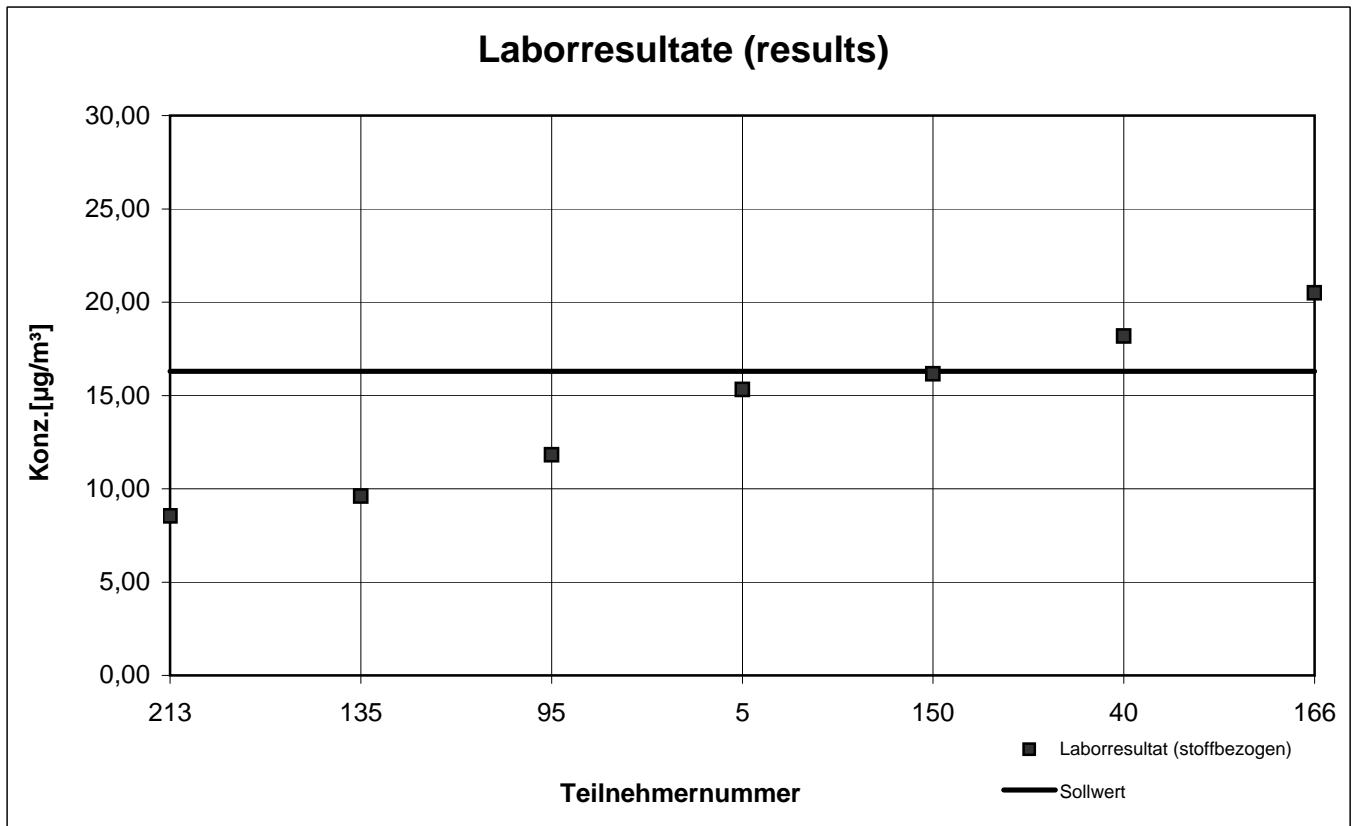
marked fields are outliers

	Toluene-equivalent ($\mu\text{g} / \text{m}^3$)		Toluene-equivalent ($\mu\text{g} / \text{m}^3$)	
213	16,80		16,60	

	n-heptane	p-xylene	toluene
"true result" [$\mu\text{g} / \text{m}^3$]	14,60	15,80	14,10
standard deviation S_k [$\mu\text{g} / \text{m}^3$]	1,761	1,672	1,294
rel. standard deviation [%]	11,79	10,21	8,59
mean c_k [$\mu\text{g} / \text{m}^3$]	14,94	16,37	15,07

Probe 1 (sample 1)

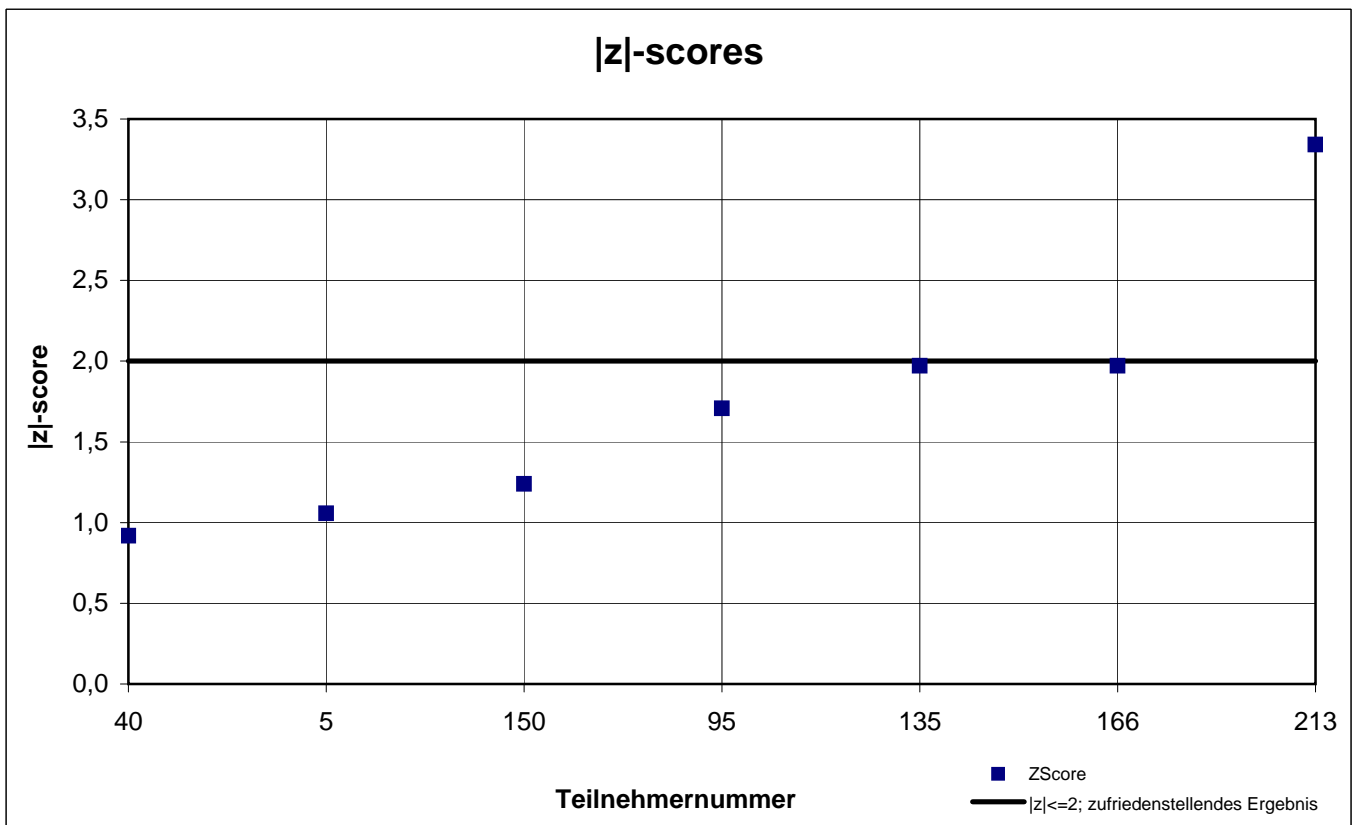
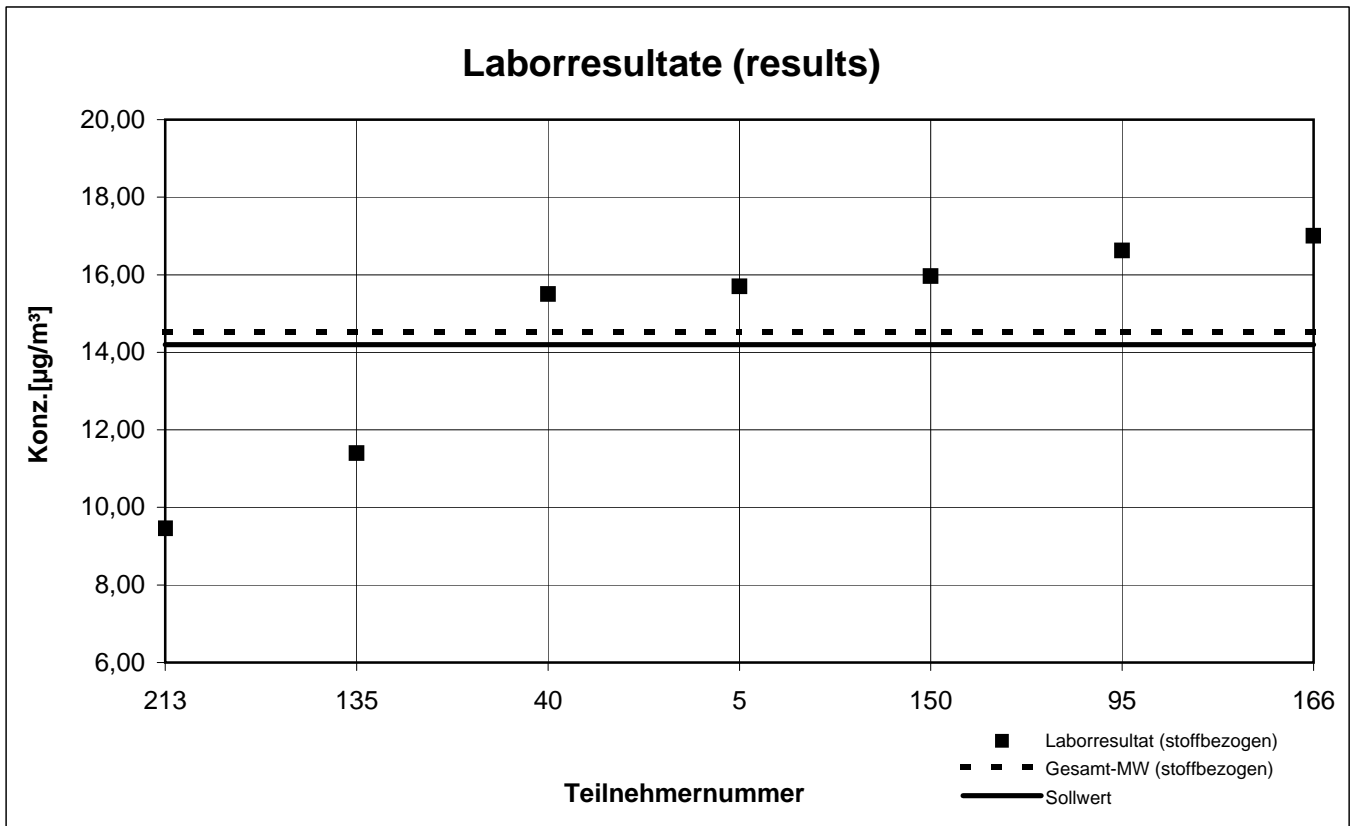
1-Butanol



keine z-score-Auswertung

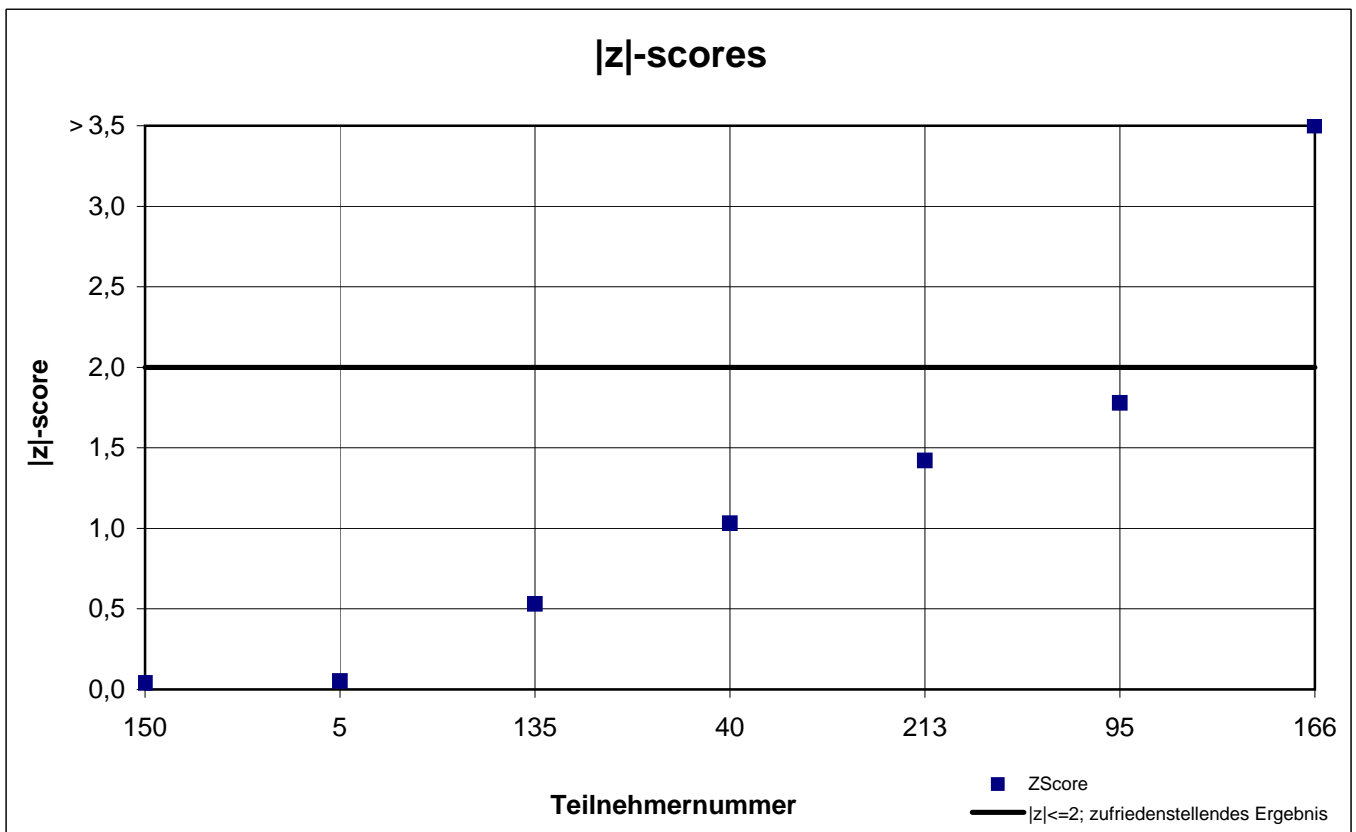
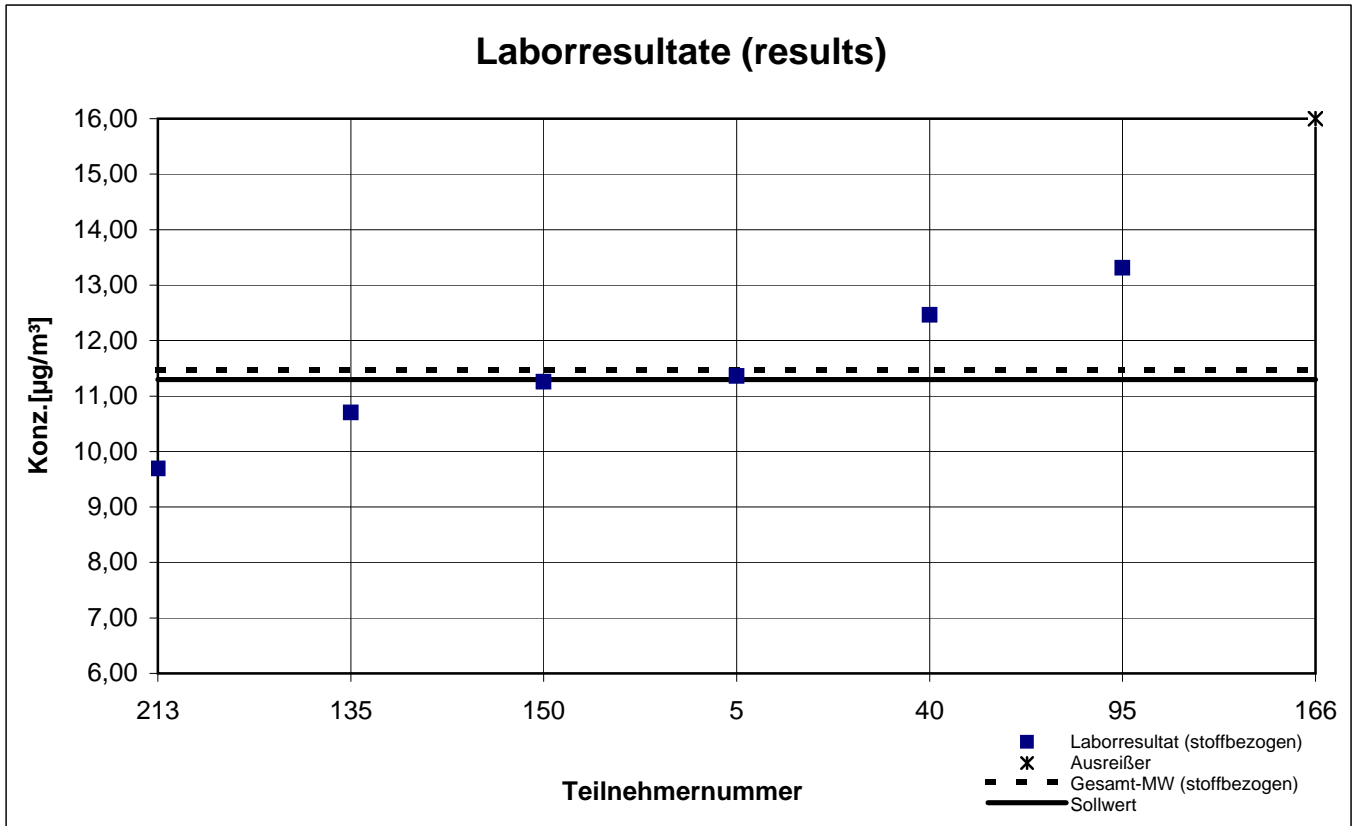
Probe 1 (sample 1)

Butylacetat



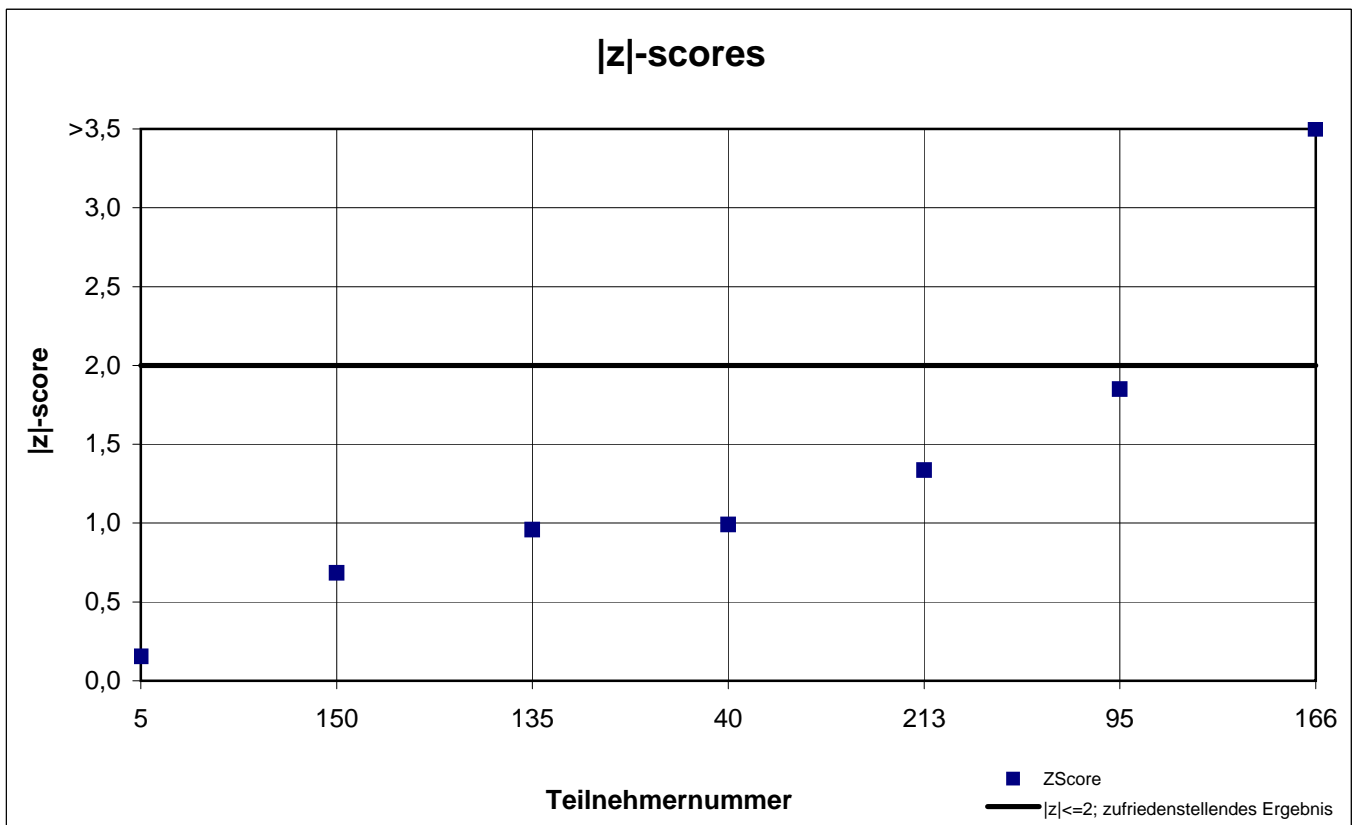
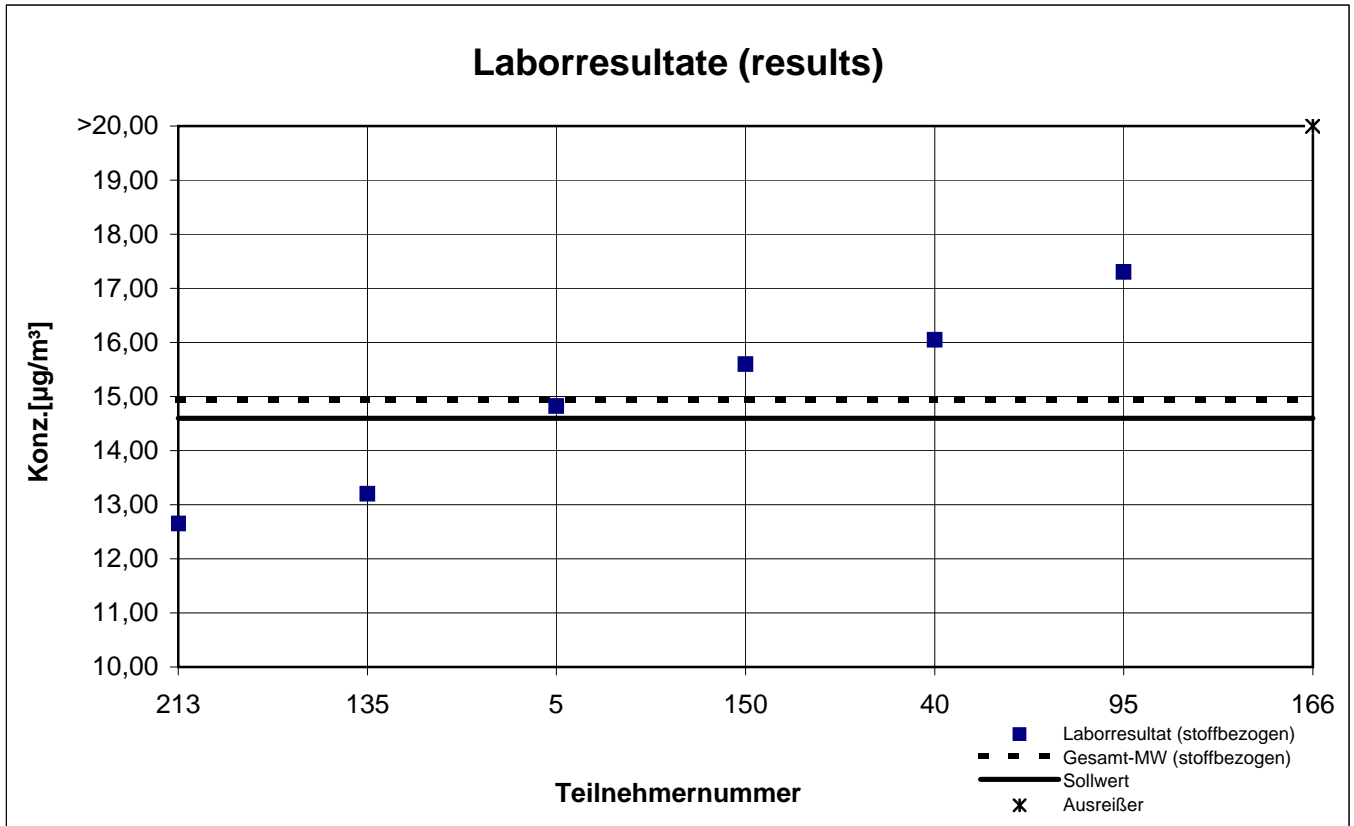
Probe 1 (sample 1)

Ethylbenzol



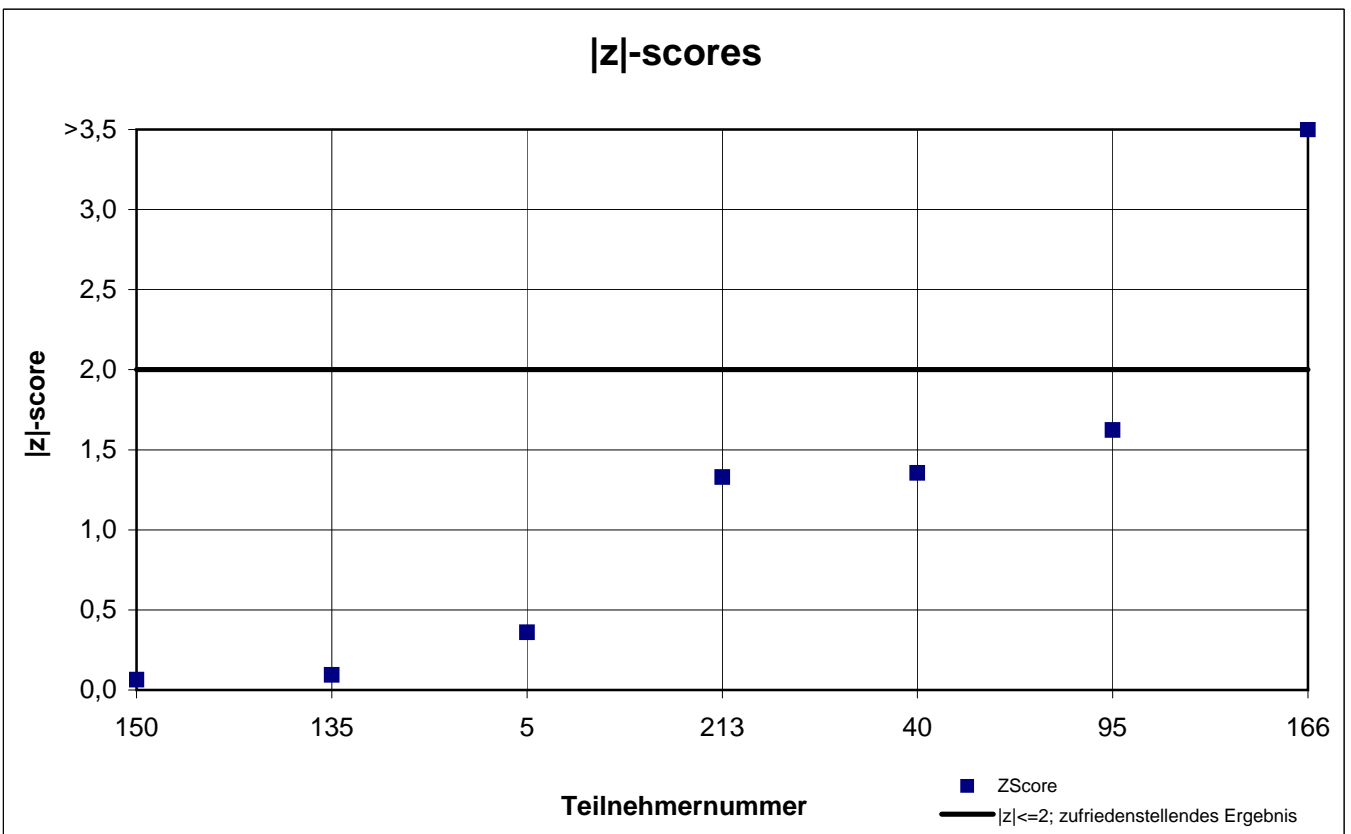
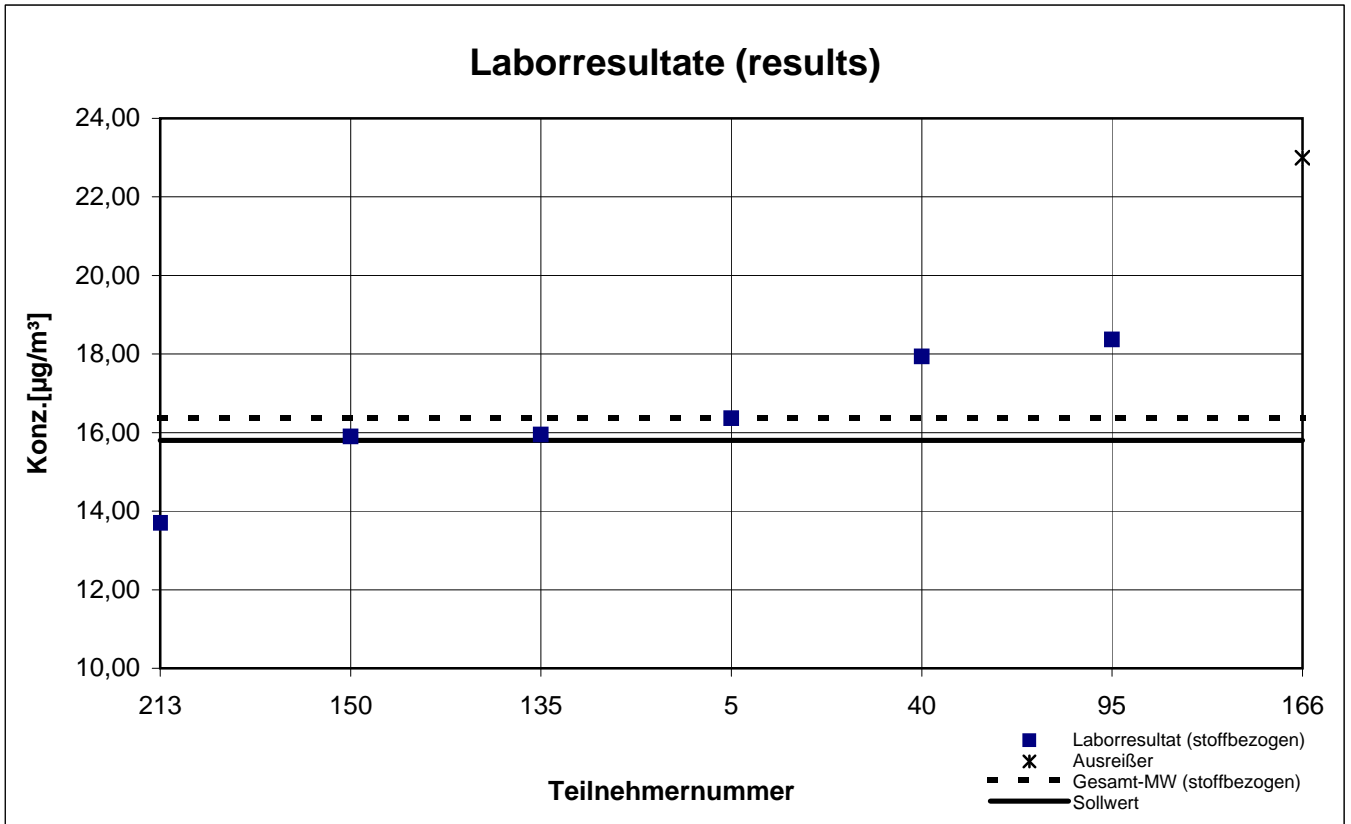
Probe 1 (sample 1)

n-Heptan



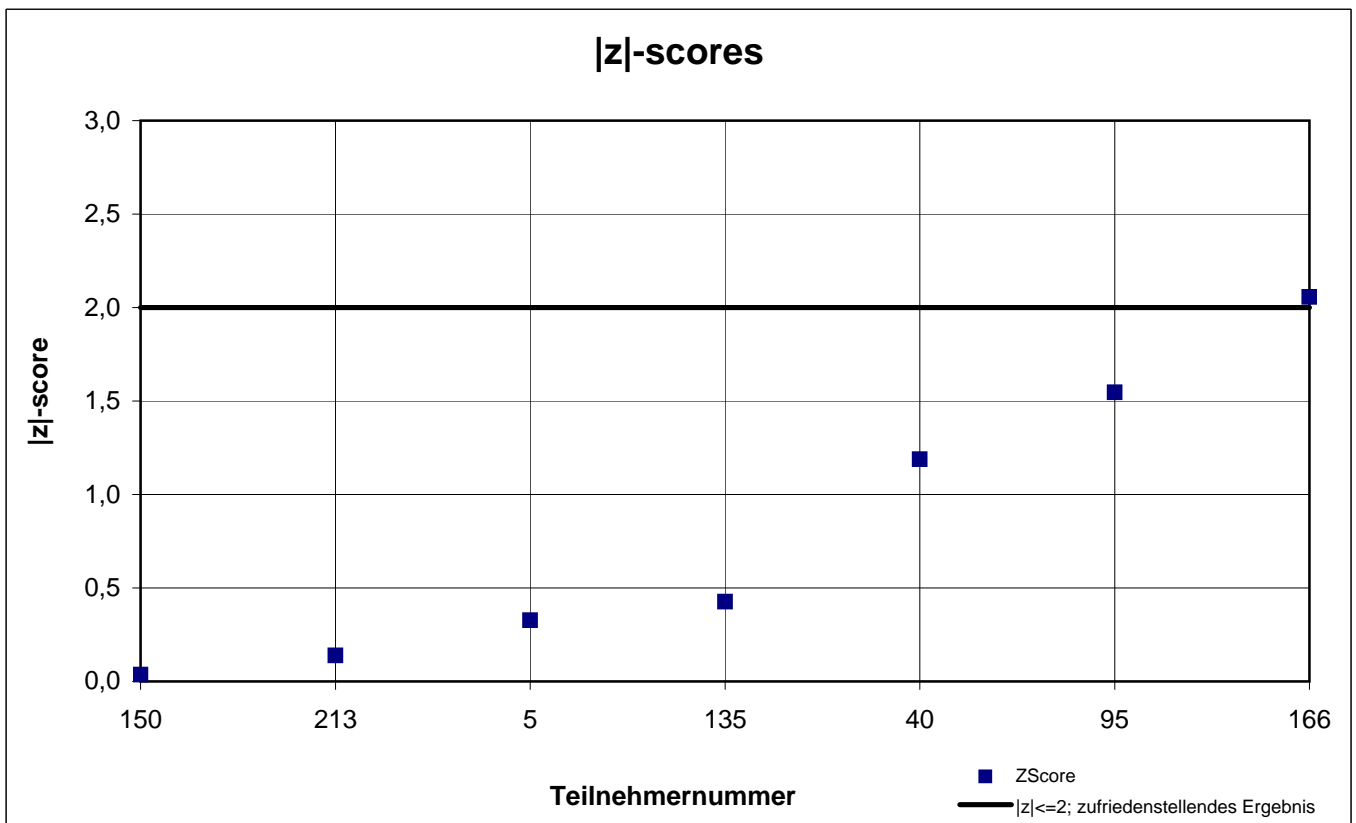
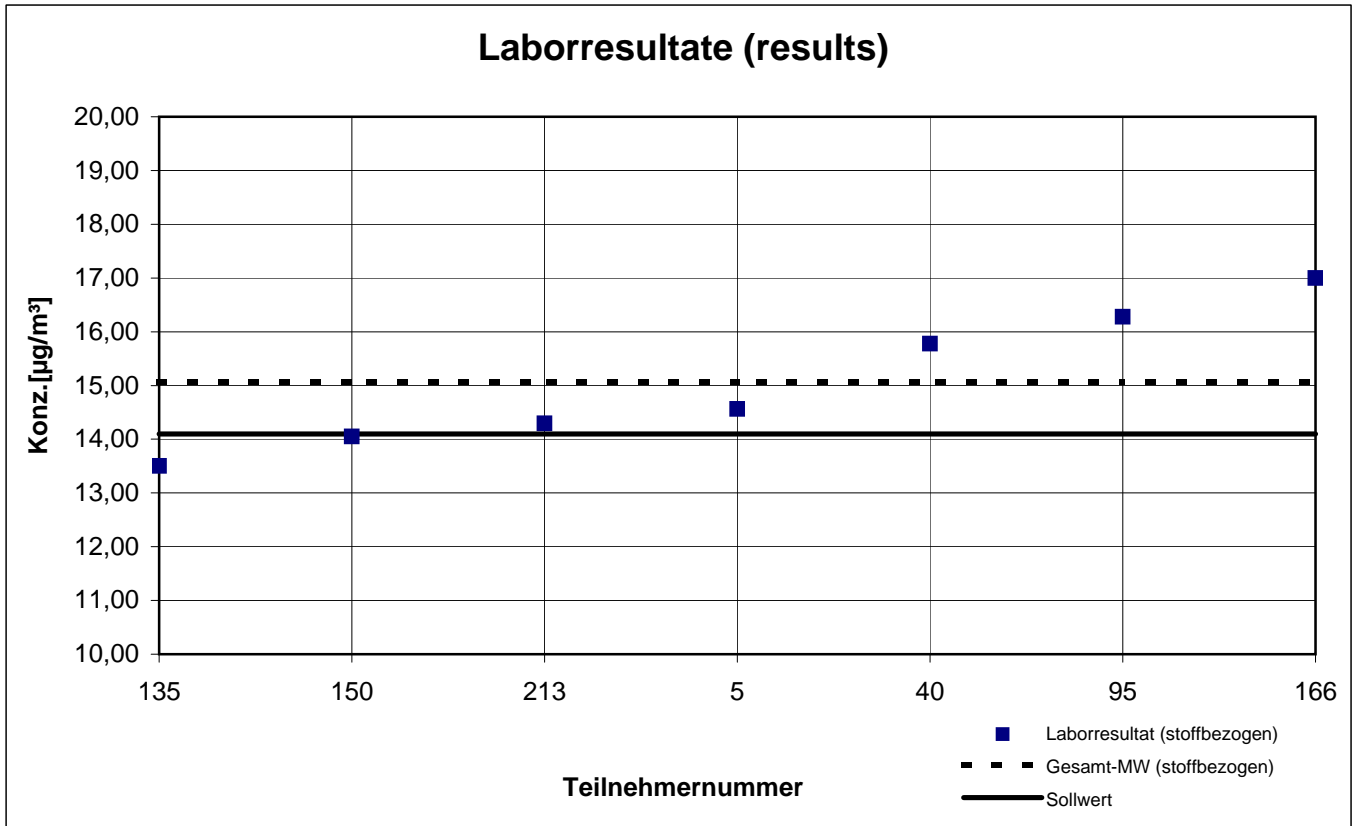
Probe 1 (sample 1)

p-Xylol



Probe 1 (sample 1)

Toluol



sample 2 - results (part 1)

participant number	1-butanol		butyl acetate		ethylbenzene	
	result ($\mu\text{g} / \text{m}^3$)	z - score	result ($\mu\text{g} / \text{m}^3$)	z - score	result ($\mu\text{g} / \text{m}^3$)	z - score
5	37,18	0,6	34,72	0,2	26,86	0,2
40	41,62	0,5	36,35	0,6	29,14	0,6
95	33,72	1,5	37,52	1,0	30,59	1,2
135	23,30	4,1	28,75	1,6	26,75	0,2
150	42,89	0,9	38,91	1,4	27,49	0,0
166	46,00	1,6	38,50	1,3	34,00	2,4
213	23,20	4,1	22,85	3,3	24,15	1,2

marked fields are outliers

	Toluene-equivalent ($\mu\text{g} / \text{m}^3$)		Toluene-equivalent ($\mu\text{g} / \text{m}^3$)		Toluene-equivalent ($\mu\text{g} / \text{m}^3$)	
213	14,75		20,30		30,30	

	1-butanol	butyl acetate	ethylbenzene
"true result" [$\mu\text{g} / \text{m}^3$]	39,50	34,20	27,40
standard deviation S_k [$\mu\text{g} / \text{m}^3$]	4,848	5,981	3,180
rel. standard deviation [%]	12,04	17,62	11,19
mean c_k [$\mu\text{g} / \text{m}^3$]	40,28	33,94	28,42

sample 2 - results (part 2)

participant number	n-heptane		p-xylene		toluene	
	result ($\mu\text{g} / \text{m}^3$)	z - score	result ($\mu\text{g} / \text{m}^3$)	z - score	result ($\mu\text{g} / \text{m}^3$)	z - score
5	34,11	0,3	38,28	0,1	33,66	0,1
40	36,80	0,5	42,31	1,1	36,08	0,6
95	37,10	0,5	41,26	0,9	36,74	0,8
135	28,35	1,9	40,25	0,6	30,75	1,0
150	36,01	0,2	35,67	0,6	33,57	0,1
166	47,50	3,5	47,50	2,5	39,00	1,5
213	30,00	1,5	34,25	1,0	37,15	0,9

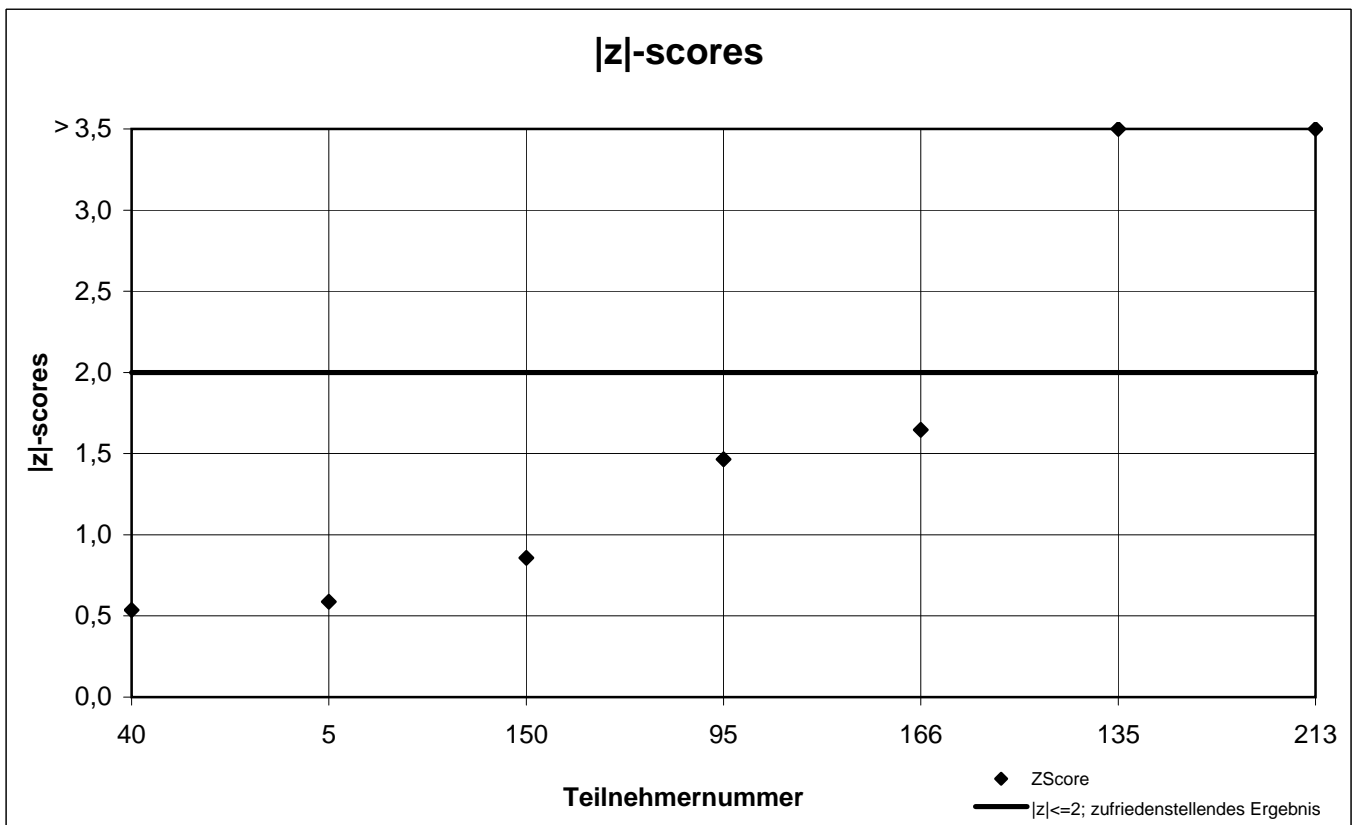
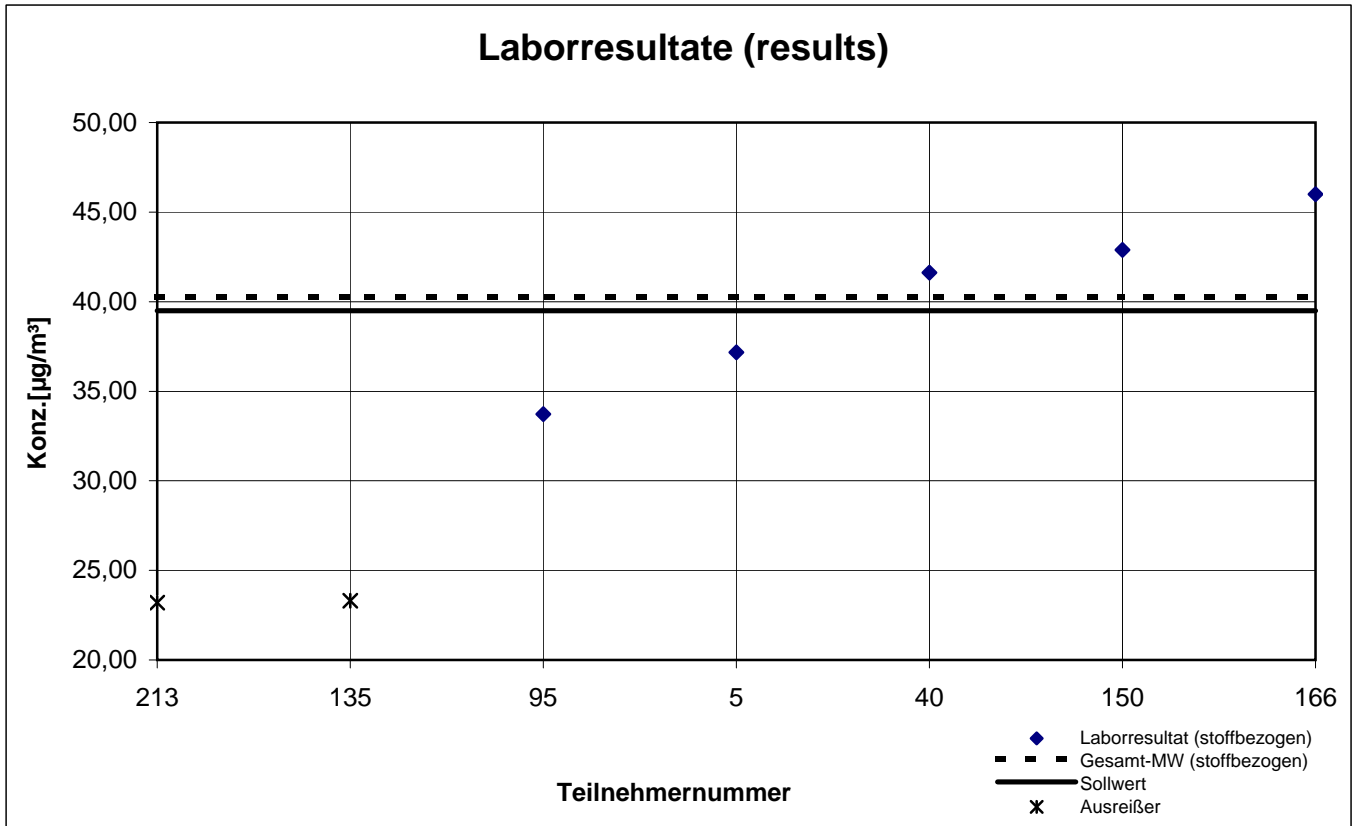
marked fields are outliers

	Toluene-equivalent ($\mu\text{g} / \text{m}^3$)		Toluene-equivalent ($\mu\text{g} / \text{m}^3$)	
213	39,80		42,30	

	n-heptane	p-xylene	toluene
"true result" [$\mu\text{g} / \text{m}^3$]	35,20	38,00	34,00
standard deviation S_k [$\mu\text{g} / \text{m}^3$]	3,714	4,434	2,774
rel. standard deviation [%]	11,01	11,10	7,86
mean c_k [$\mu\text{g} / \text{m}^3$]	33,73	39,93	35,28

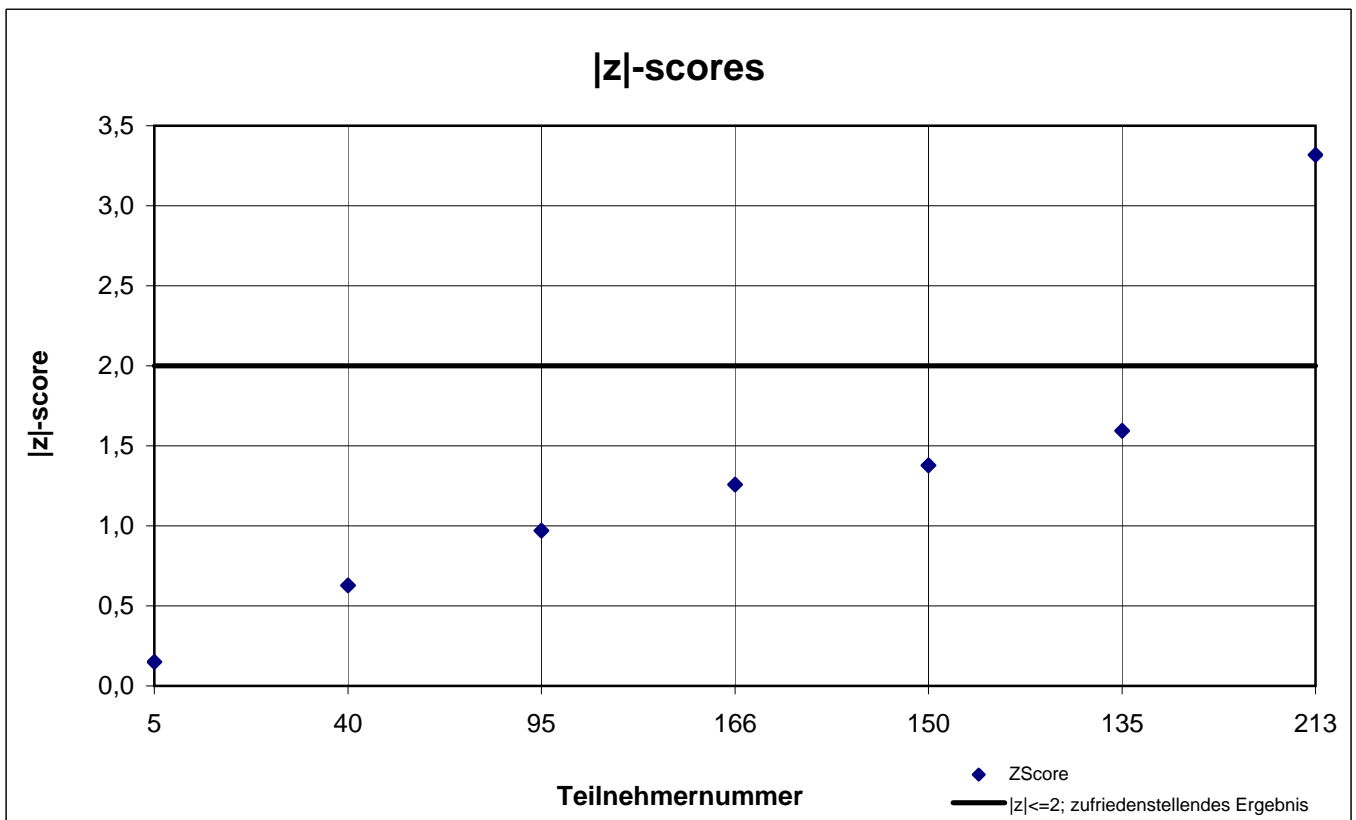
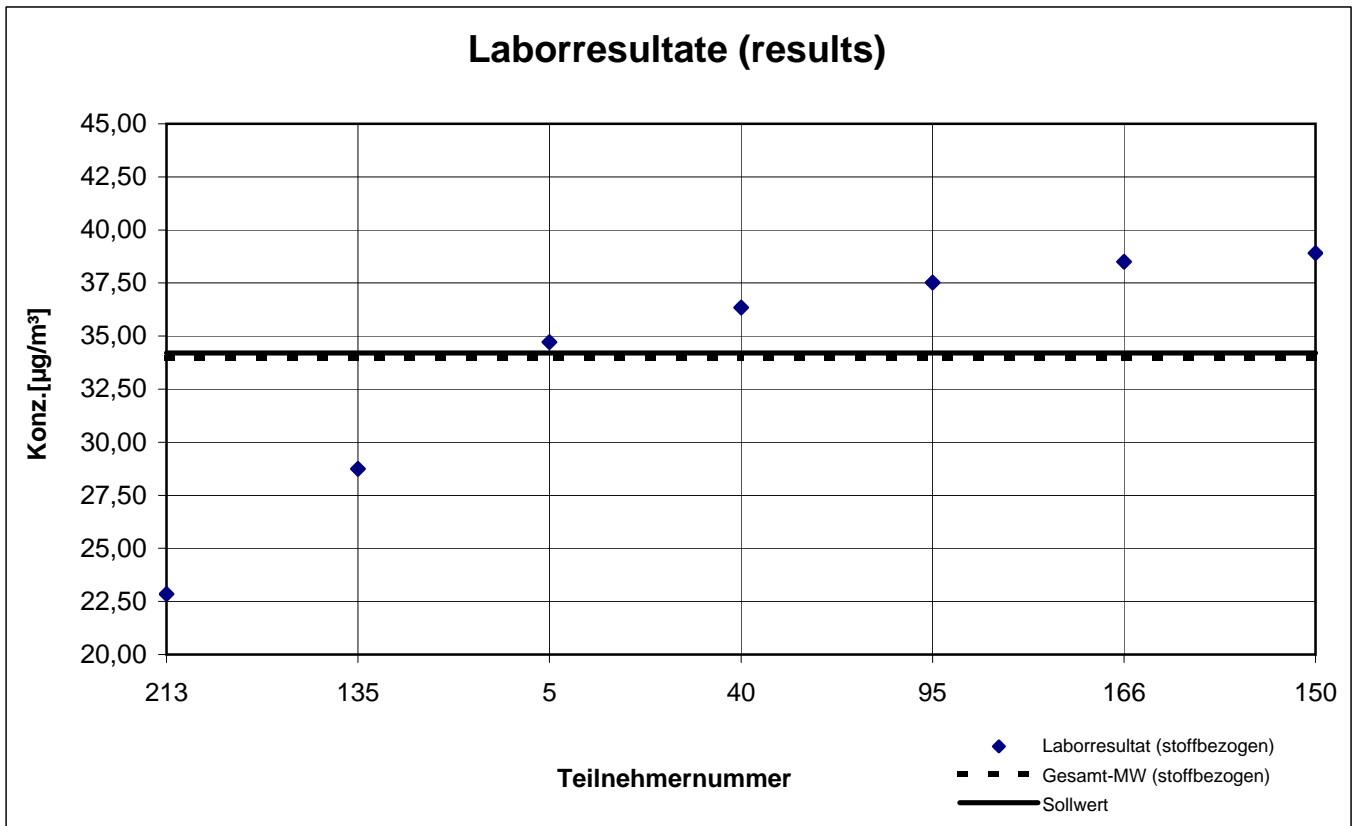
Probe 2 (sample 2)

1-Butanol



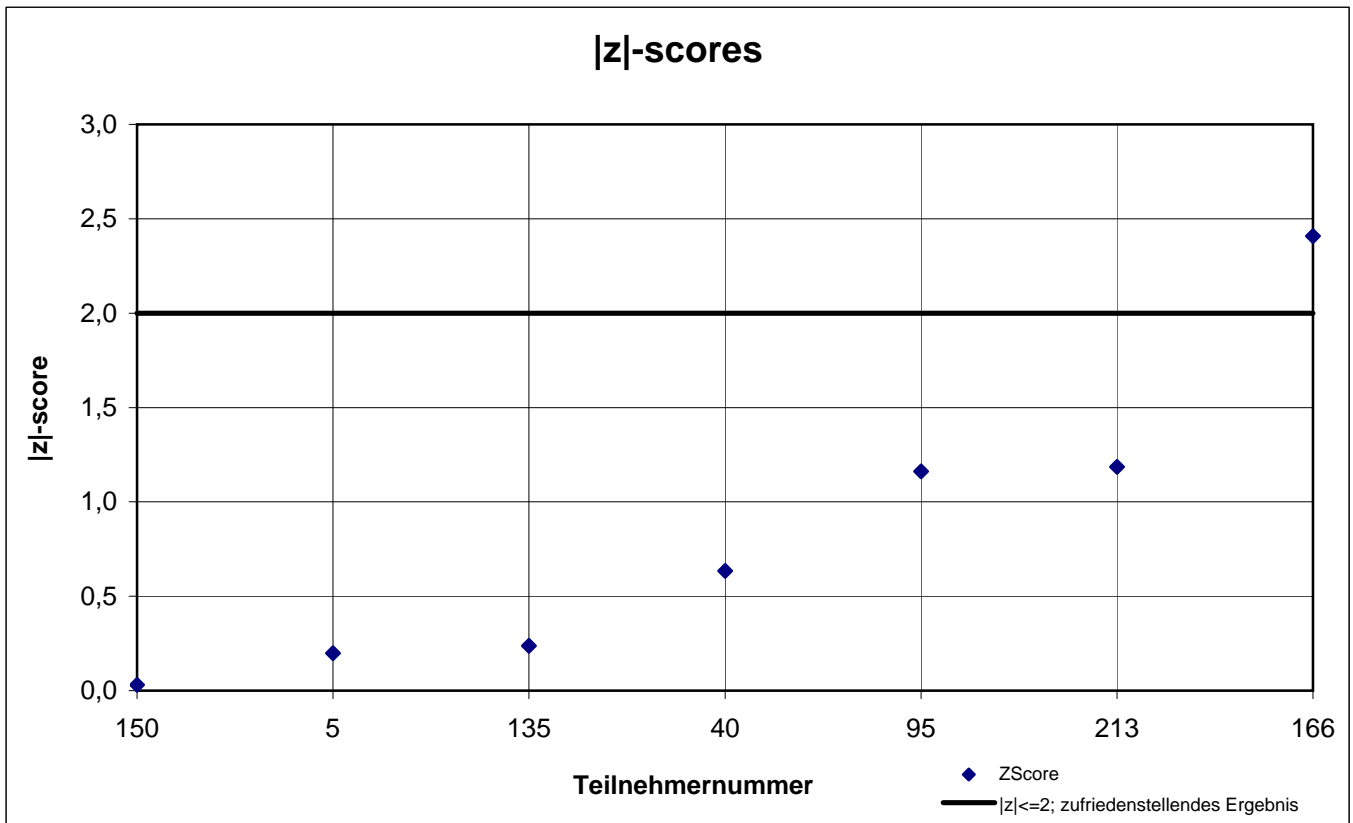
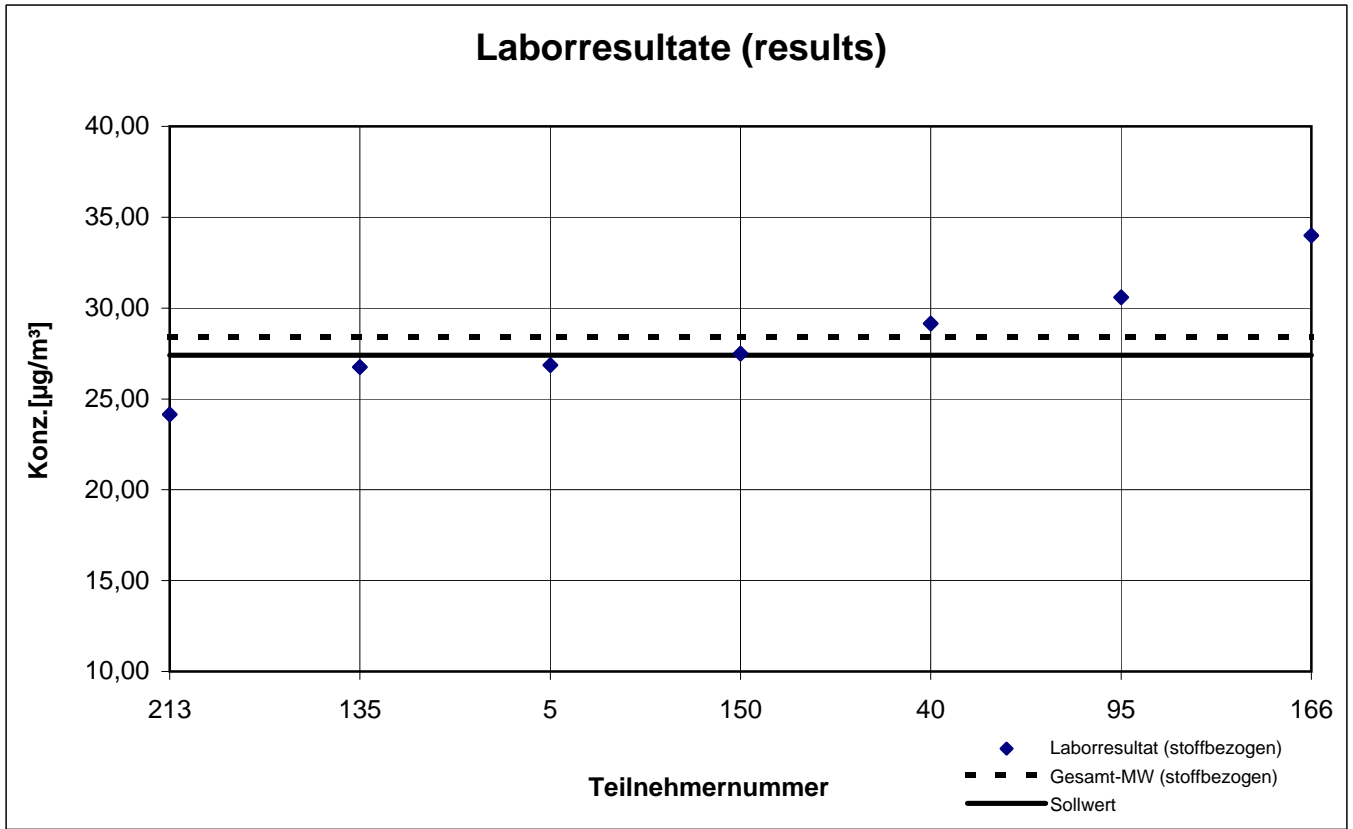
Probe 2 (sample 2)

Butylacetat



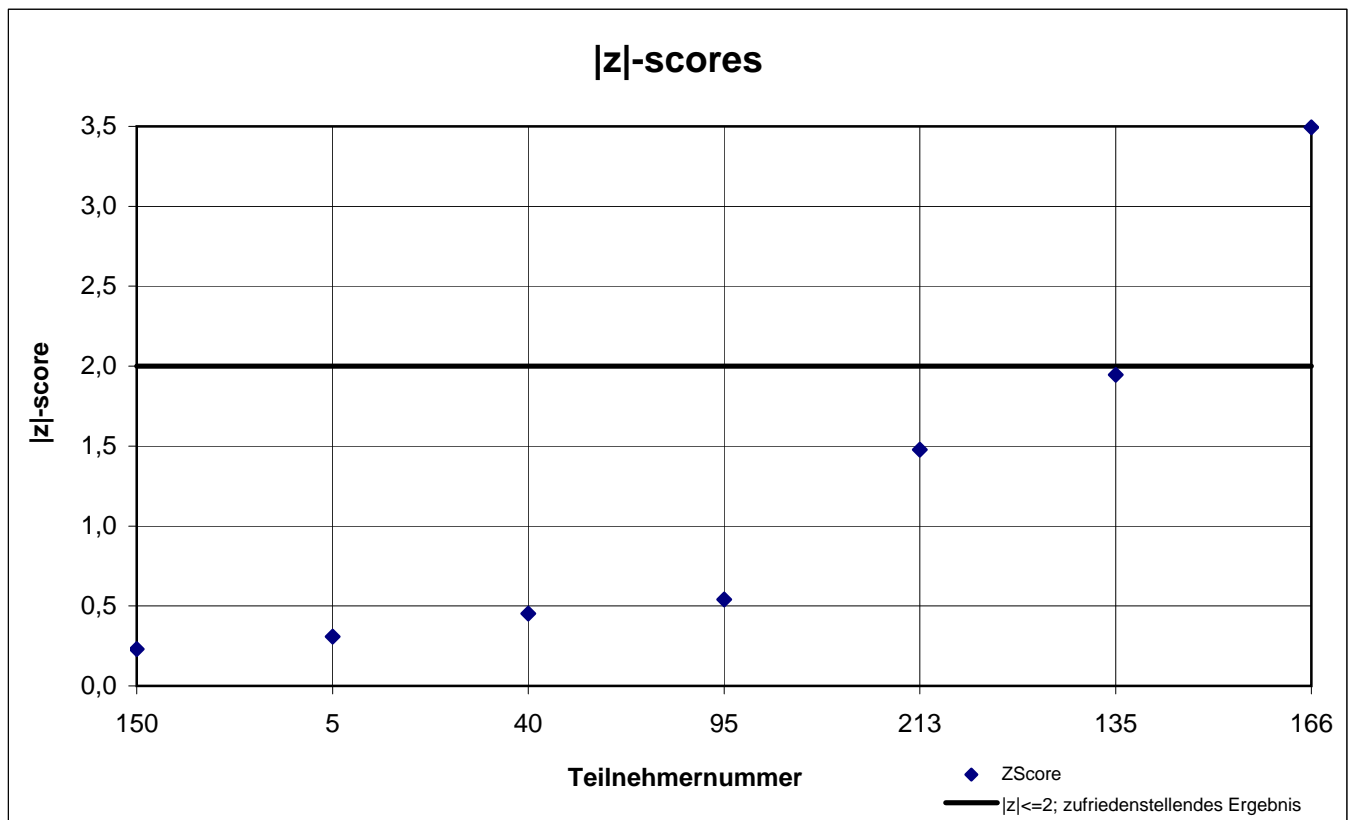
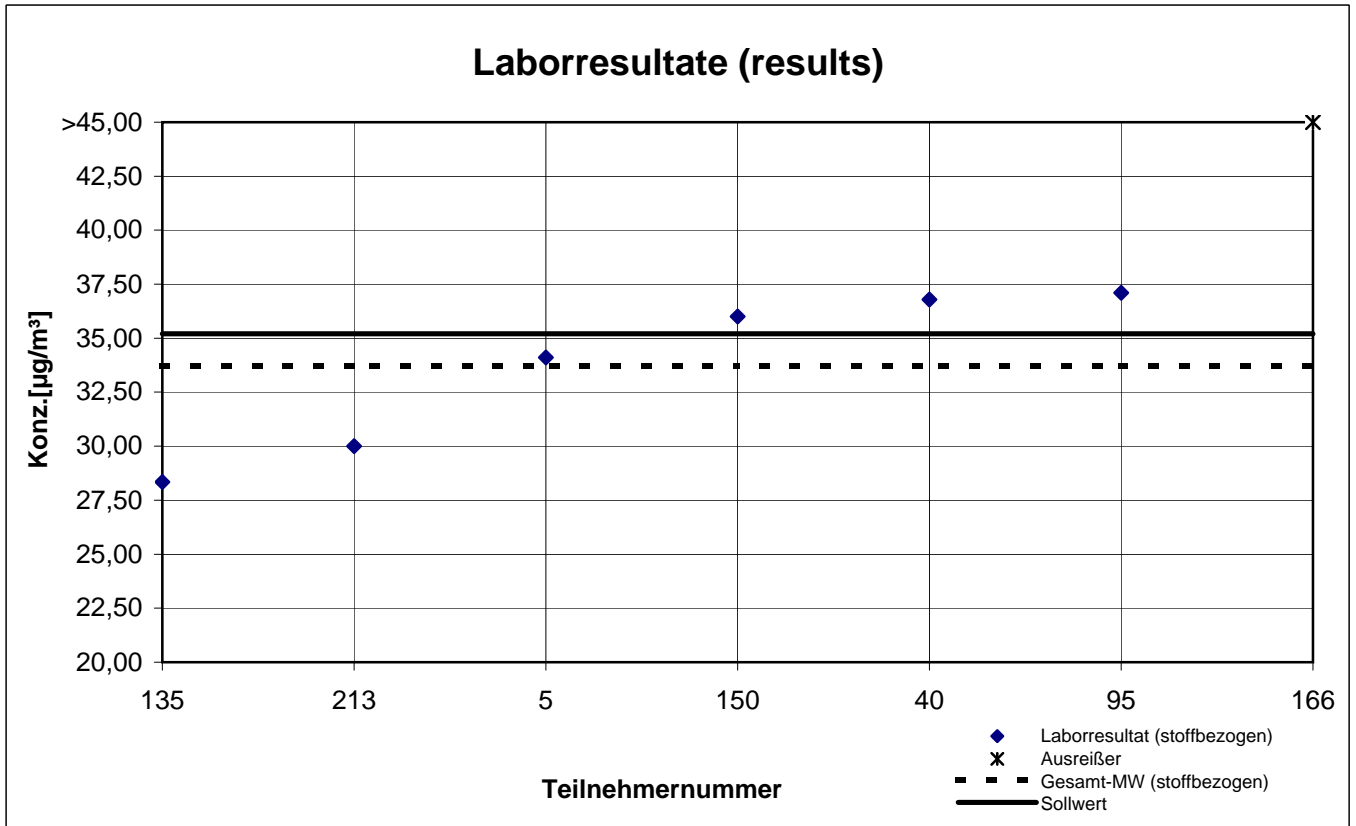
Probe 2 (sample 2)

Ethylbenzol



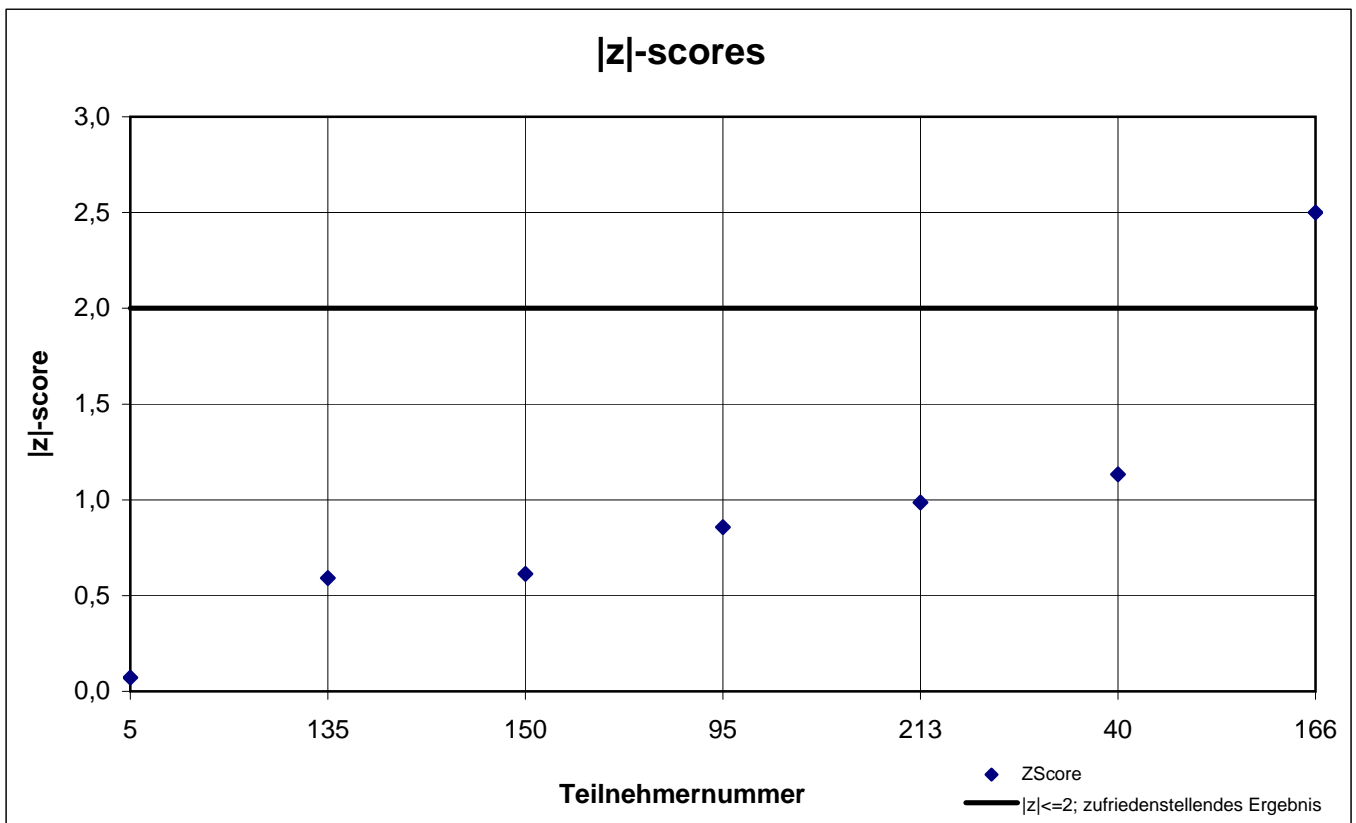
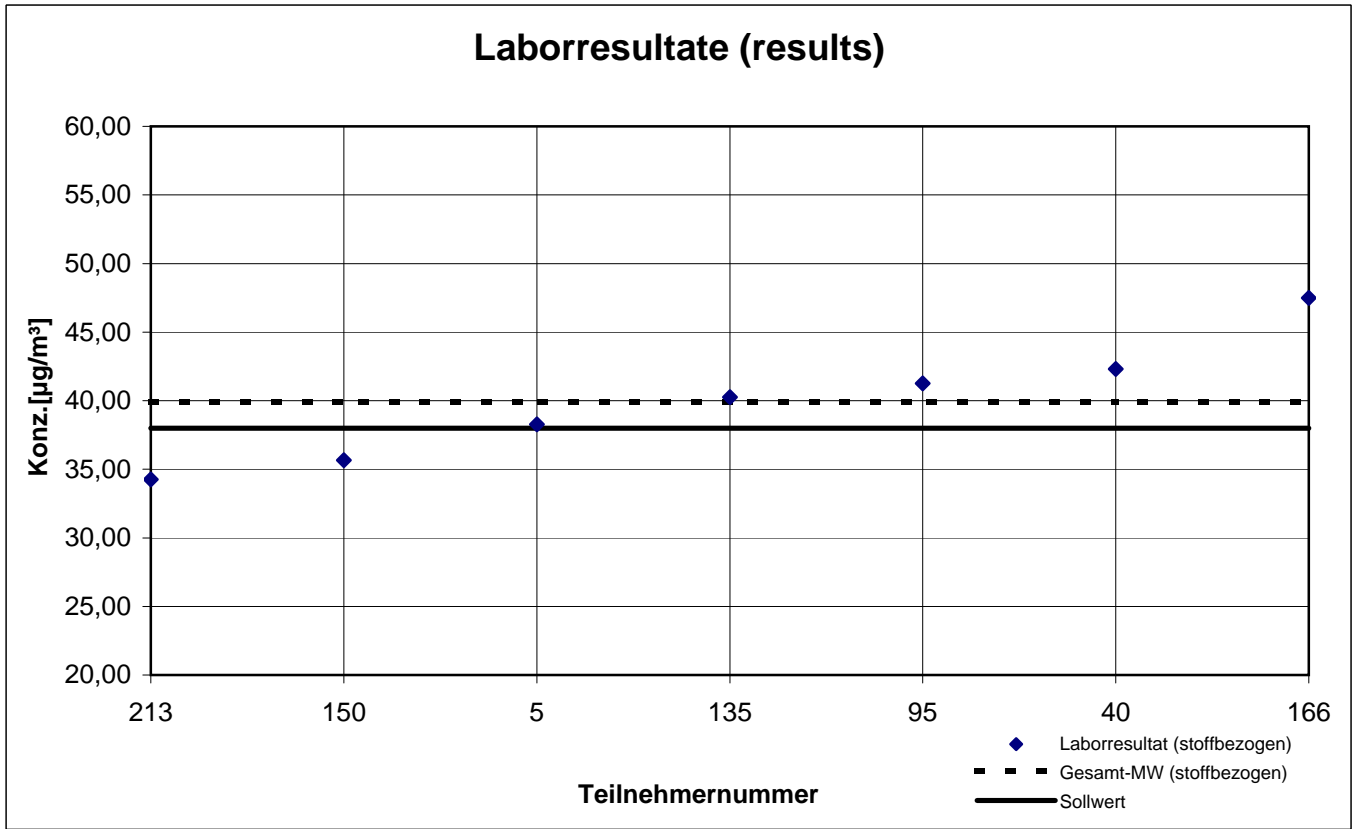
Probe 2 (sample 2)

n-Heptan



Probe 2 (sample 2)

p-Xylol



Probe 2 (sample 2)

Toluol

