

results sample 1

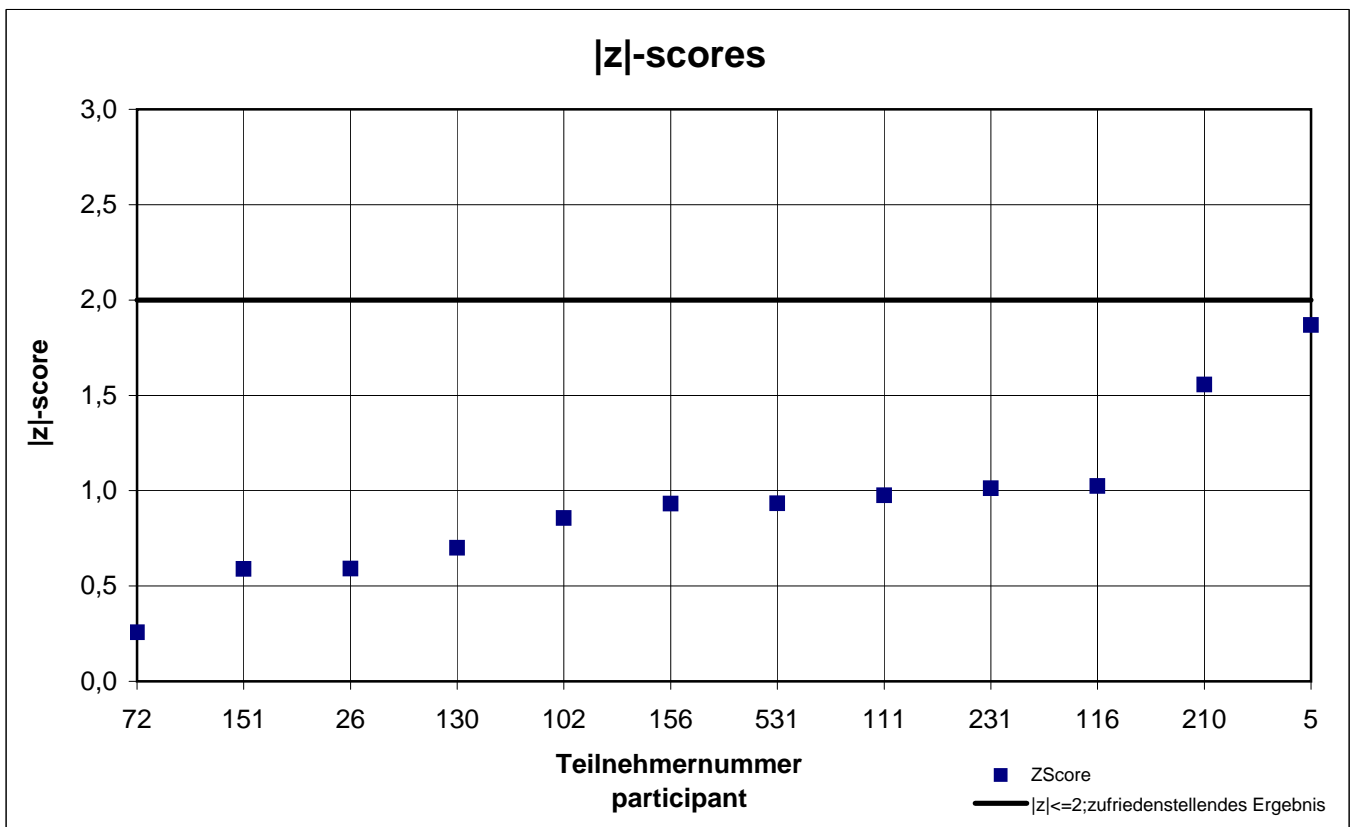
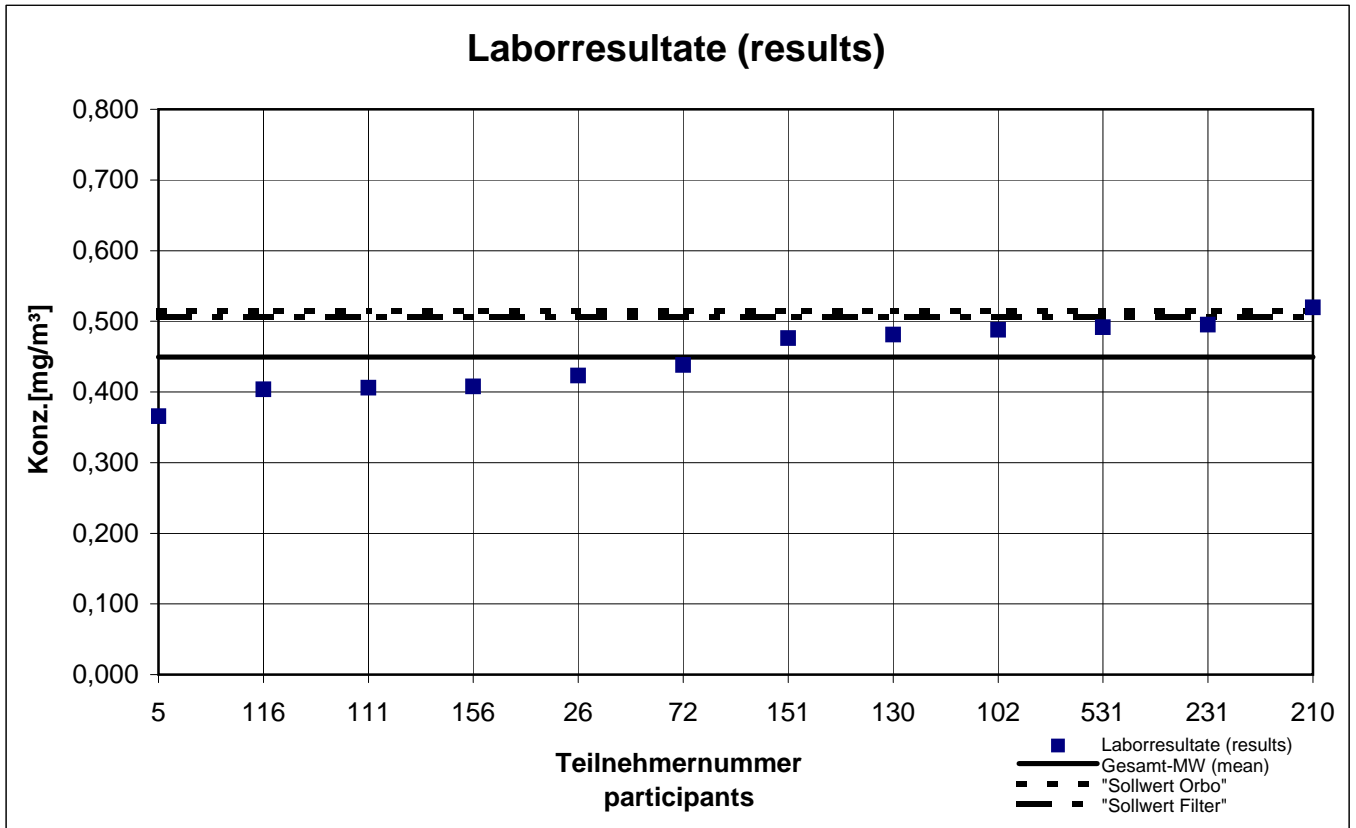
partici- pant	Hydrochloric acid		Nitric acid	
	result [mg/m ³]	z - score	result [mg/m ³]	z - score
5	0,366	1,9	0,203	3,7
6	k.A.	k.A.	k.A.	k.A.
26	0,423	0,6	0,291	1,0
72	0,438	0,3	0,308	0,4
102	0,488	0,9	0,288	1,0
111	0,406	1,0	0,338	0,5
116	0,404	1,0	0,264	1,8
130	0,481	0,7	0,298	0,7
151	0,476	0,6	0,309	0,4
156	0,408	0,9	0,383	1,9
210	0,519	1,6	0,377	1,7
231	0,495	1,0	0,347	0,8
531	0,492	0,9	0,333	0,4

 marked fields are outliers!

	Hydro- chloric acid	Nitric acid
mean c_k [mg / m ³]	0,450	0,321
standard deviation S_k [mg / m ³]	0,048	0,038
relative standard deviation [%]	10,73	11,73
mean value of control samples		
"Sollwert Orbo" [mg/m ³]	0,514	0,333
"Sollwert Filter" [mg/m ³]	0,506	0,367

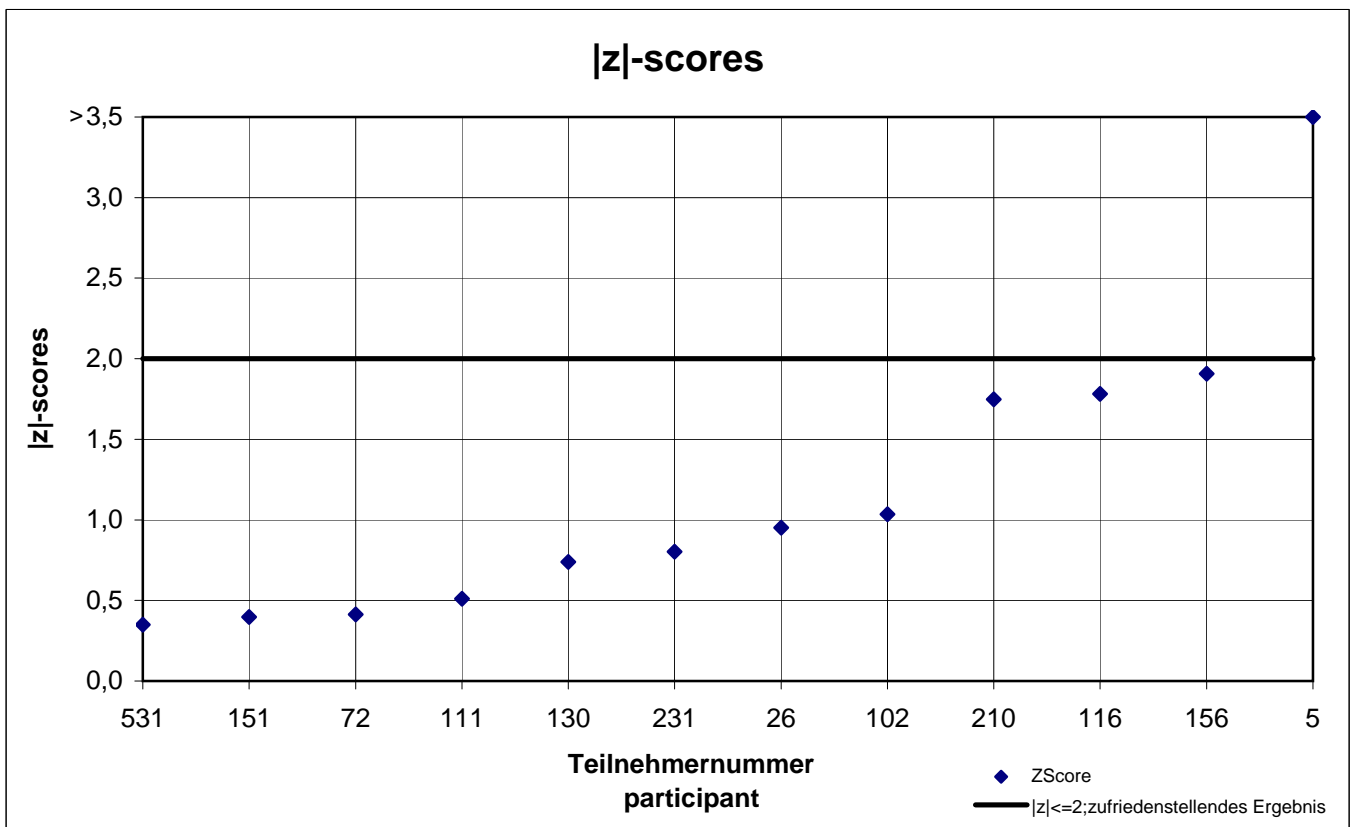
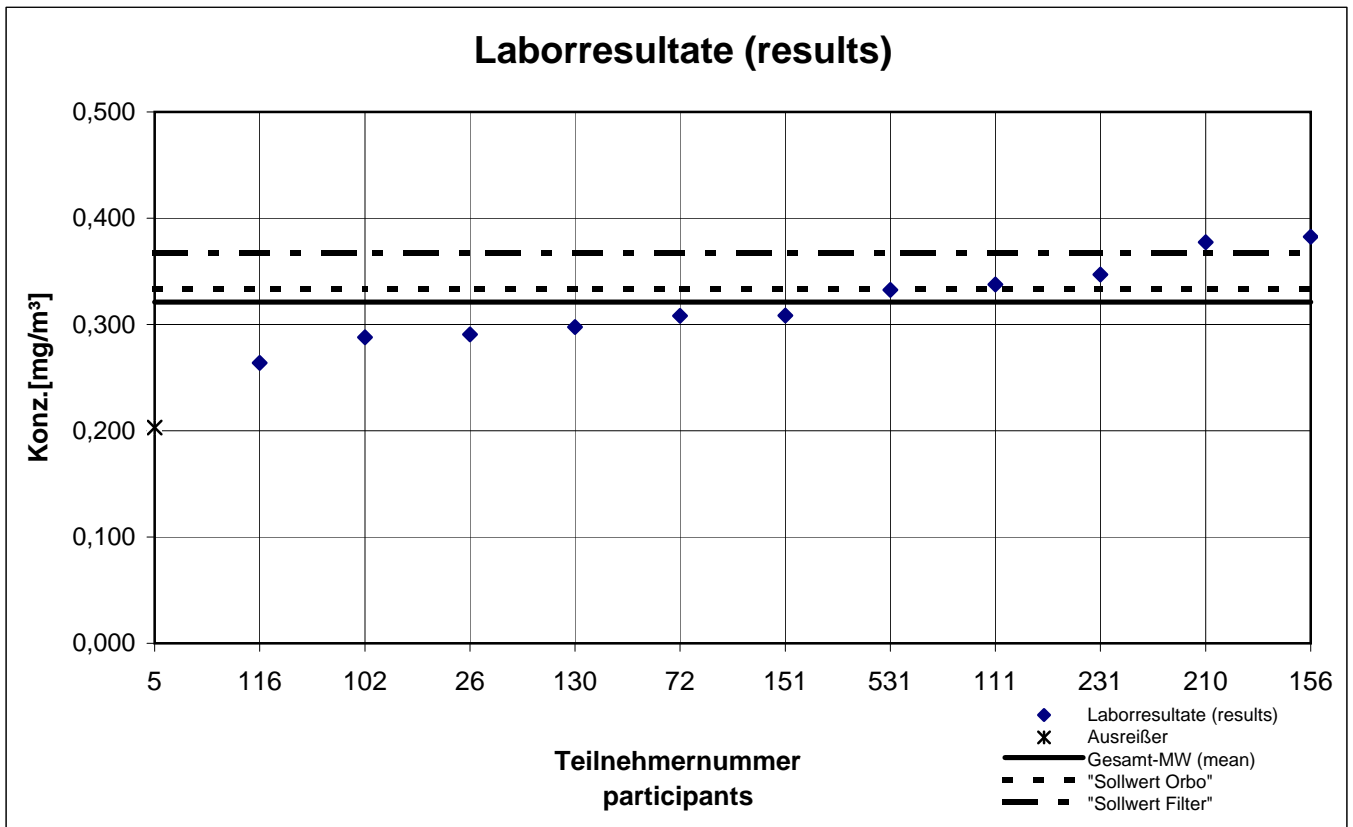
Probe 1 (sample 1)

Salzsäure (hydrochloric acid)



Probe 1 (sample 1)

Salpetersäure (nitric acid)



results sample 2

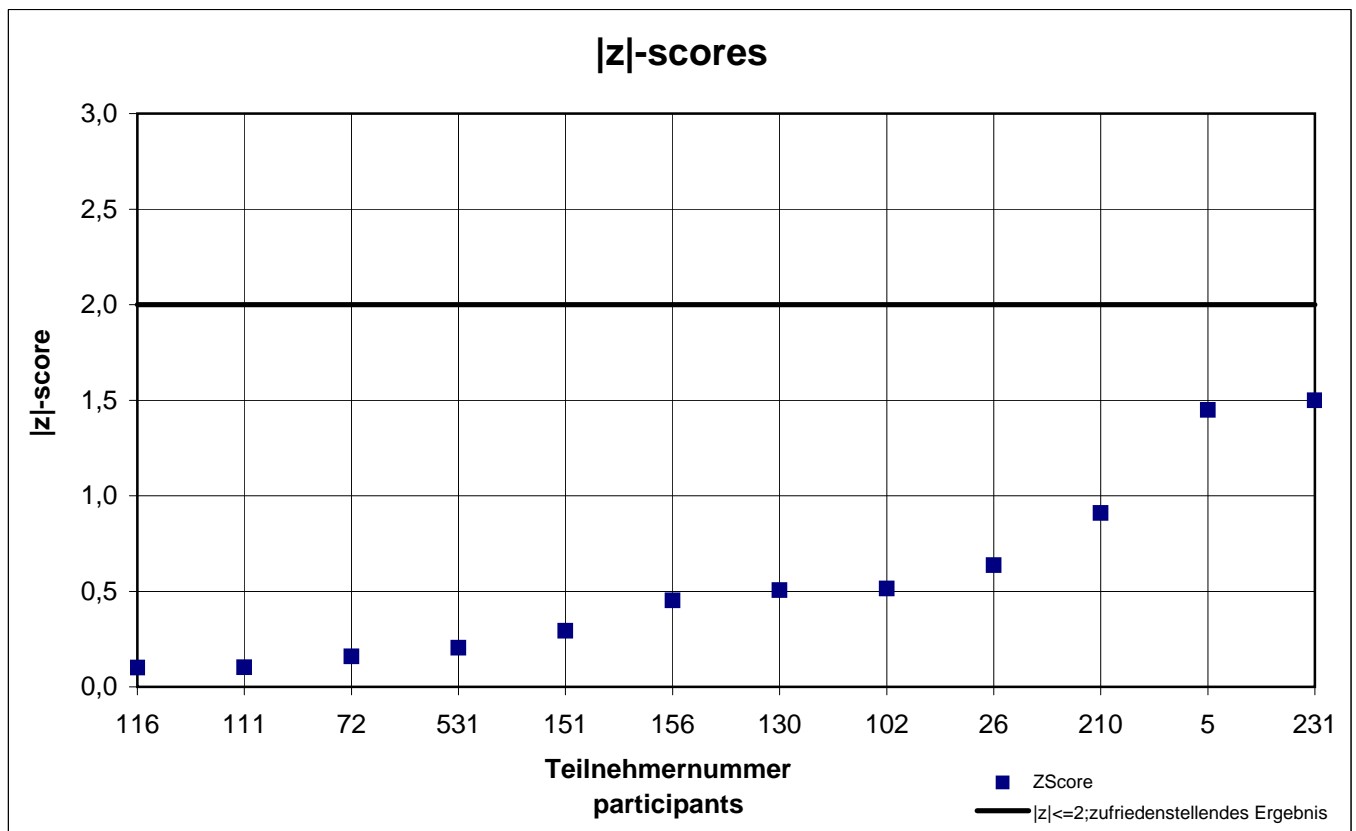
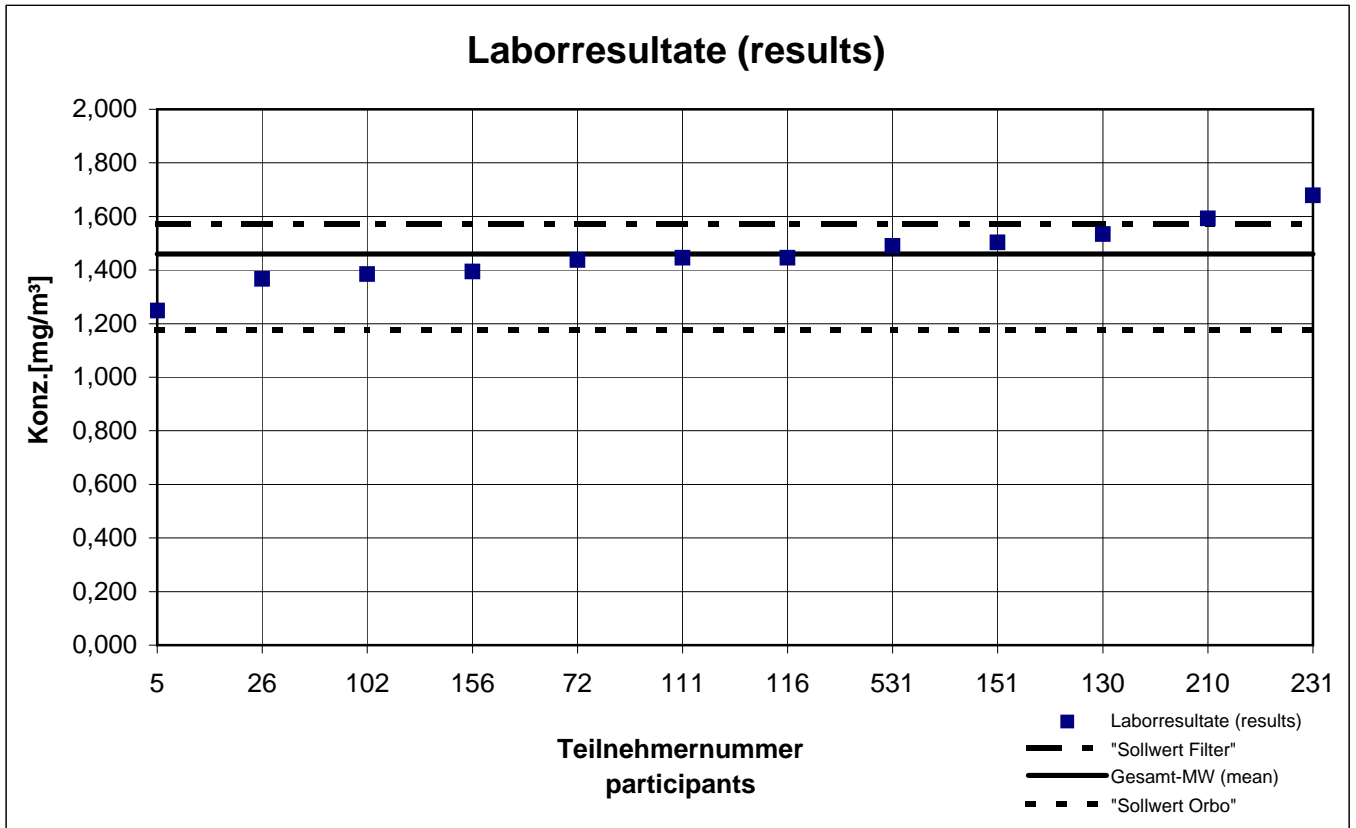
participant	Hydrochloric acid		Nitric acid	
	result [mg/m ³]	z - score	result [mg/m ³]	z - score
5	1,249	1,4	0,488	3,1
6	k.A.	k.A.	k.A.	k.A.
26	1,367	0,6	0,672	0,5
72	1,437	0,2	0,735	0,4
102	1,385	0,5	0,601	1,5
111	1,445	0,1	0,798	1,3
116	1,446	0,1	0,679	0,4
130	1,534	0,5	0,714	0,1
151	1,503	0,3	0,732	0,3
156	1,394	0,5	0,774	0,9
210	1,593	0,9	0,850	2,0
231	1,679	1,5	0,735	0,4
531	1,490	0,2	0,722	0,2

 marked fields are outliers!

	Hydrochloric acid	Nitric acid
mean c_k [mg / m ³]	1,460	0,708
standard deviation S_k [mg / m ³]	0,112	0,094
relative standard deviation [%]	7,67	13,24
mean value of control samples		
"Sollwert Orbo" [mg/m ³]	1,178	0,610
"Sollwert Filter" [mg/m ³]	1,574	0,775

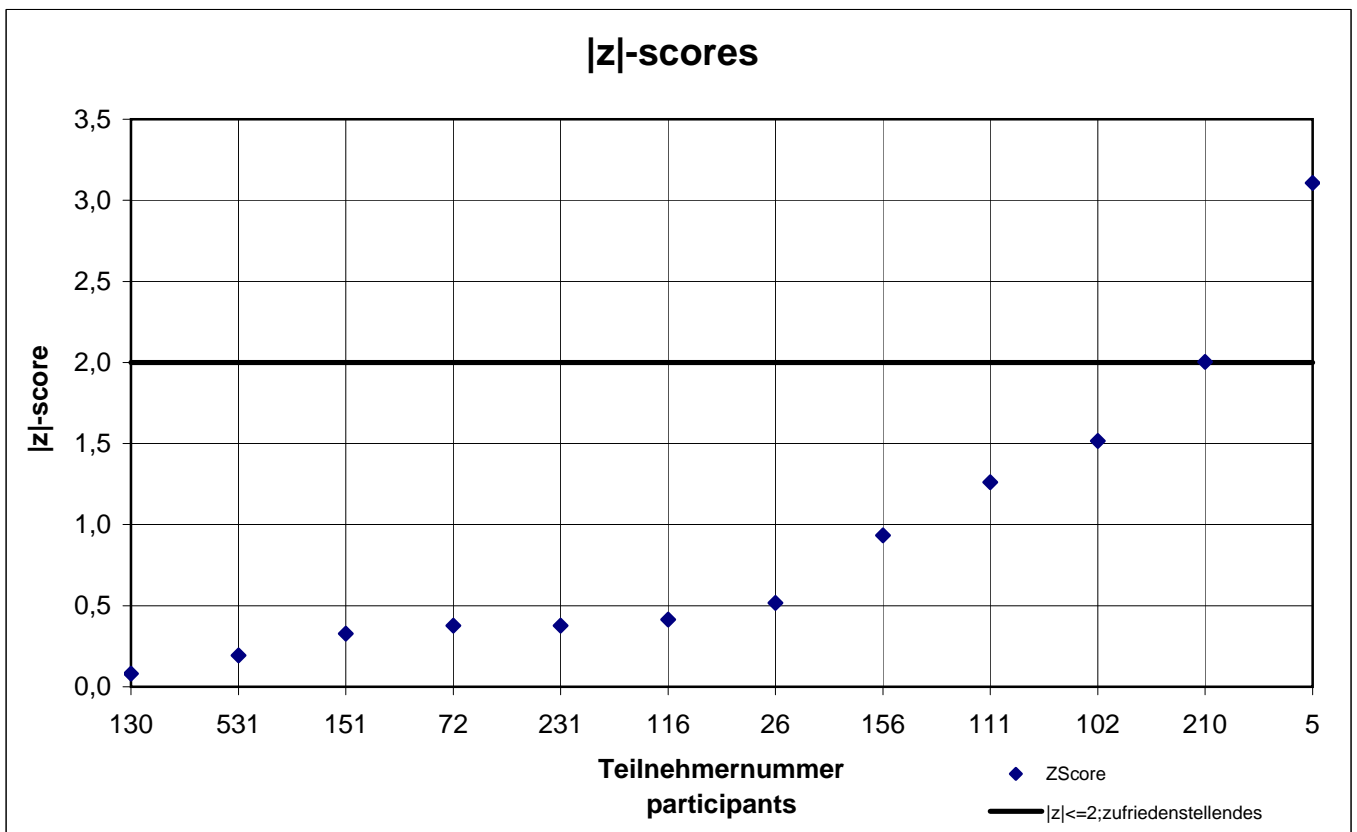
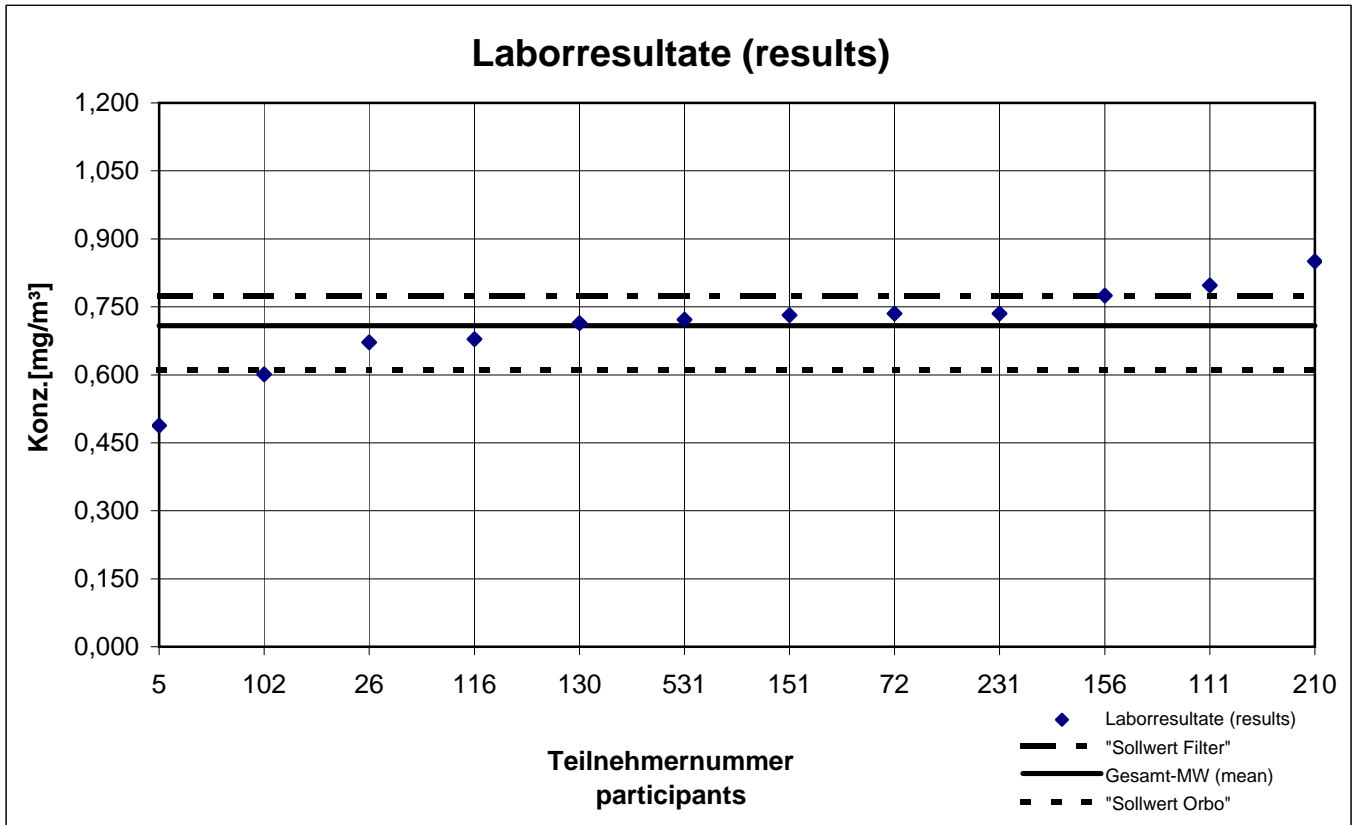
Probe 2 (sample 2)

Salzsäure (hydrochloric acid)



Probe 2 (sample 2)

Salpetersäure (nitric acid)



results sample 3

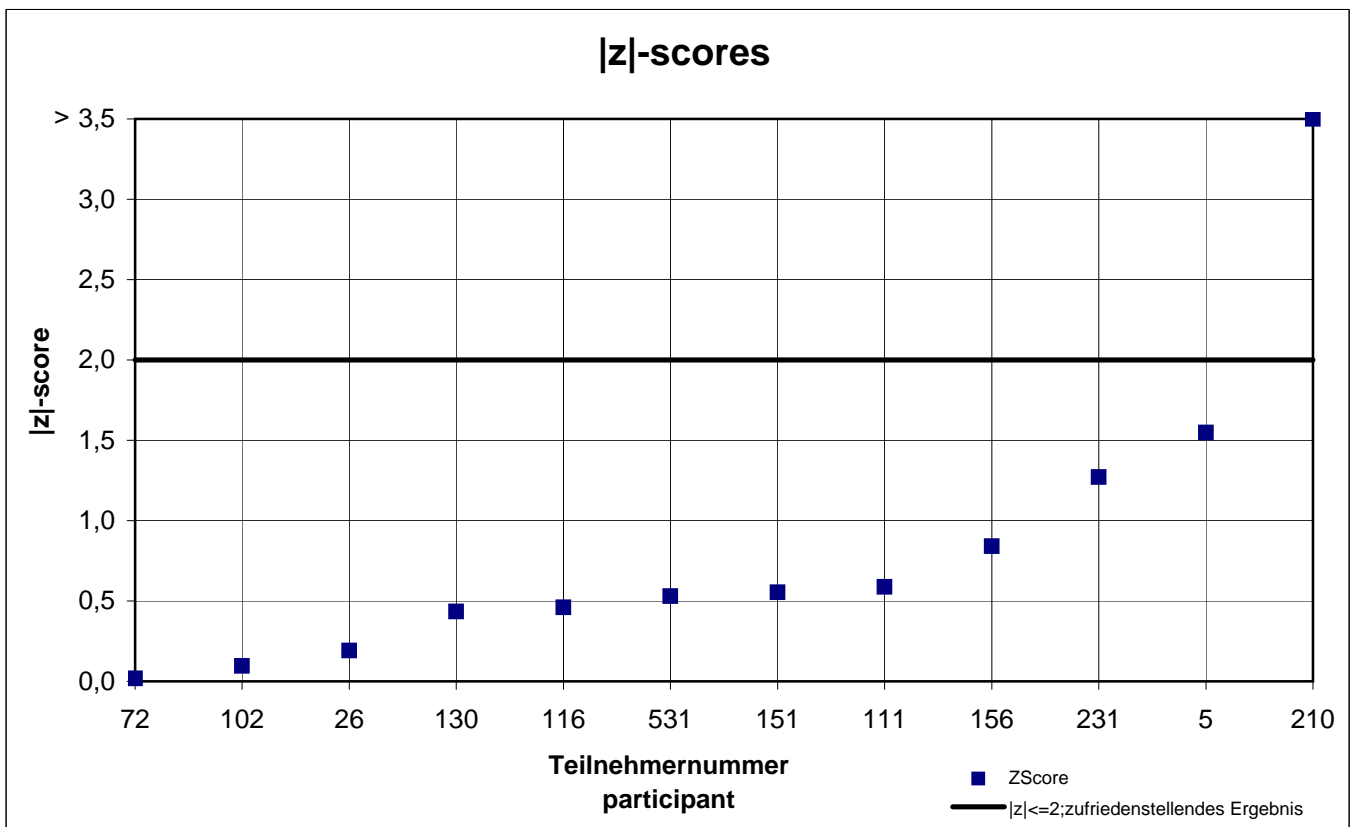
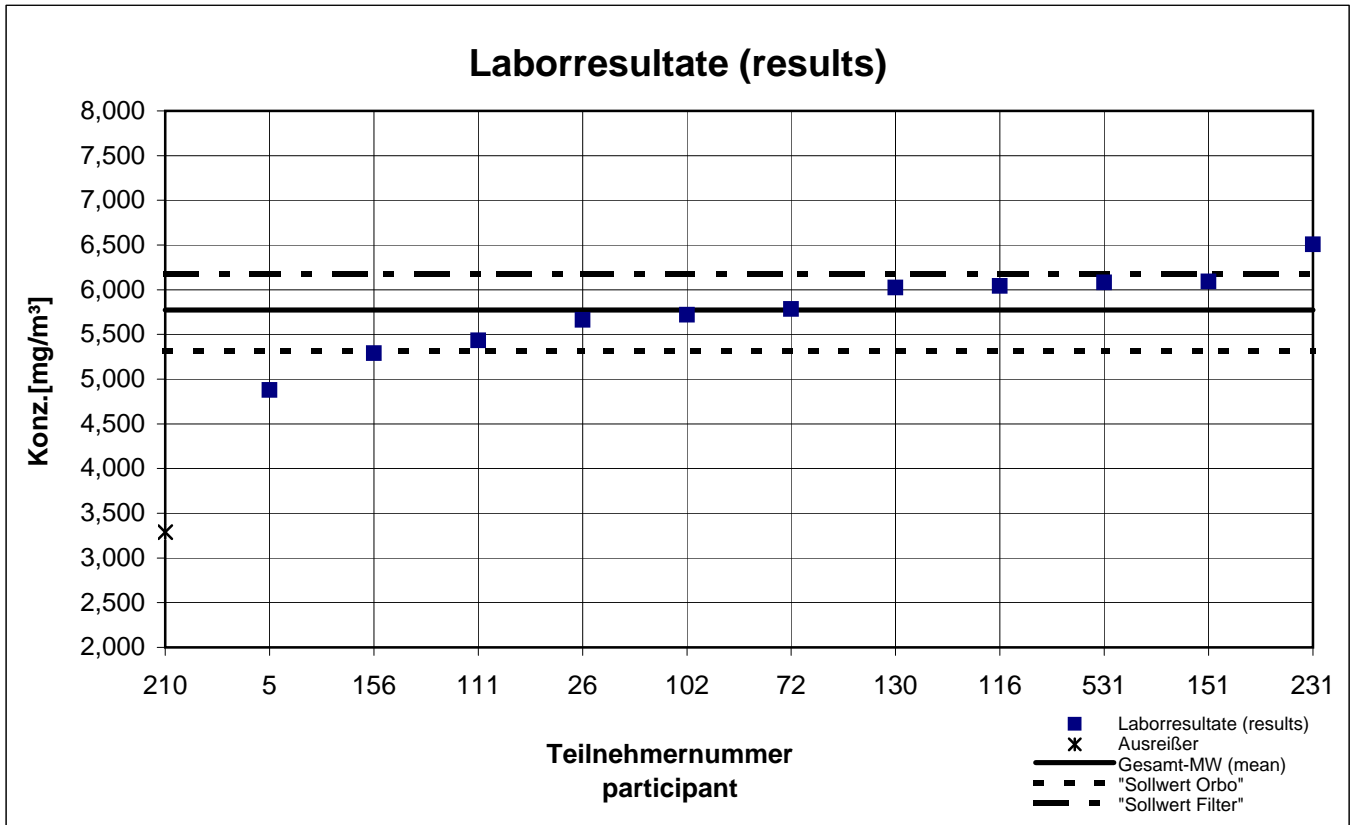
participant	Hydrochloric acid		Nitric acid	
	result [mg/m ³]	z - score	result [mg/m ³]	z - score
5	4,880	1,5	1,657	3,1
6	k.A.	k.A.	k.A.	k.A.
26	5,663	0,2	2,437	0,1
72	5,784	0,0	2,626	0,9
102	5,719	0,1	2,308	0,4
111	5,435	0,6	2,806	1,7
116	6,040	0,5	2,332	0,3
130	6,024	0,4	2,413	0,0
151	6,094	0,6	2,650	1,0
156	5,289	0,8	2,694	1,2
210	3,288	4,3	1,63	3,2
231	6,508	1,3	2,701	1,2
531	6,080	0,5	2,614	0,9

 marked fields are outliers!

	Hydrochloric acid	Nitric acid
mean c_k [mg / m ³]	5,774	2,405
standard deviation S_k [mg / m ³]	0,451	0,389
relative standard deviation [%]	7,81	16,17
mean value of control samples		
"Sollwert Orbo" [mg/m ³]	5,318	2,394
"Sollwert Filter" [mg/m ³]	6,176	2,947

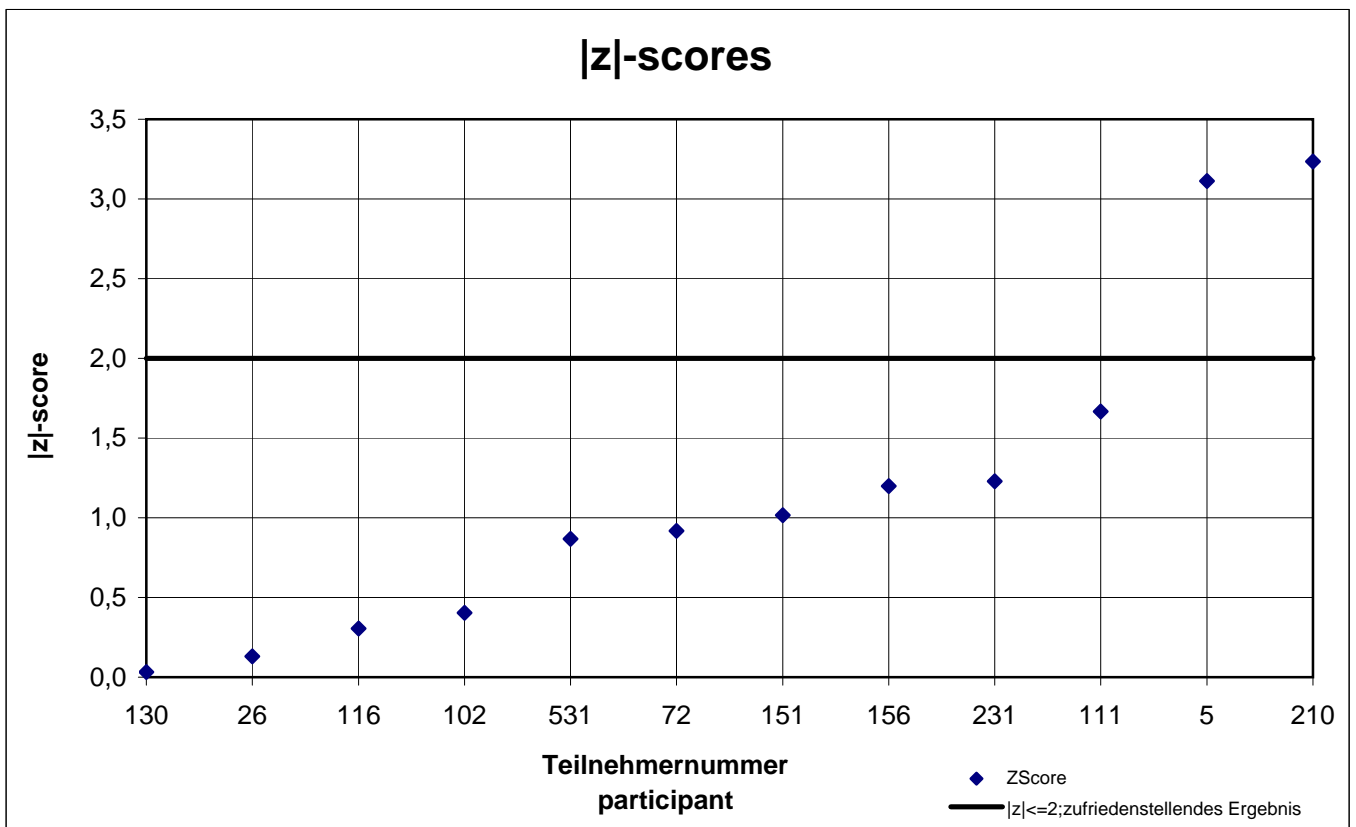
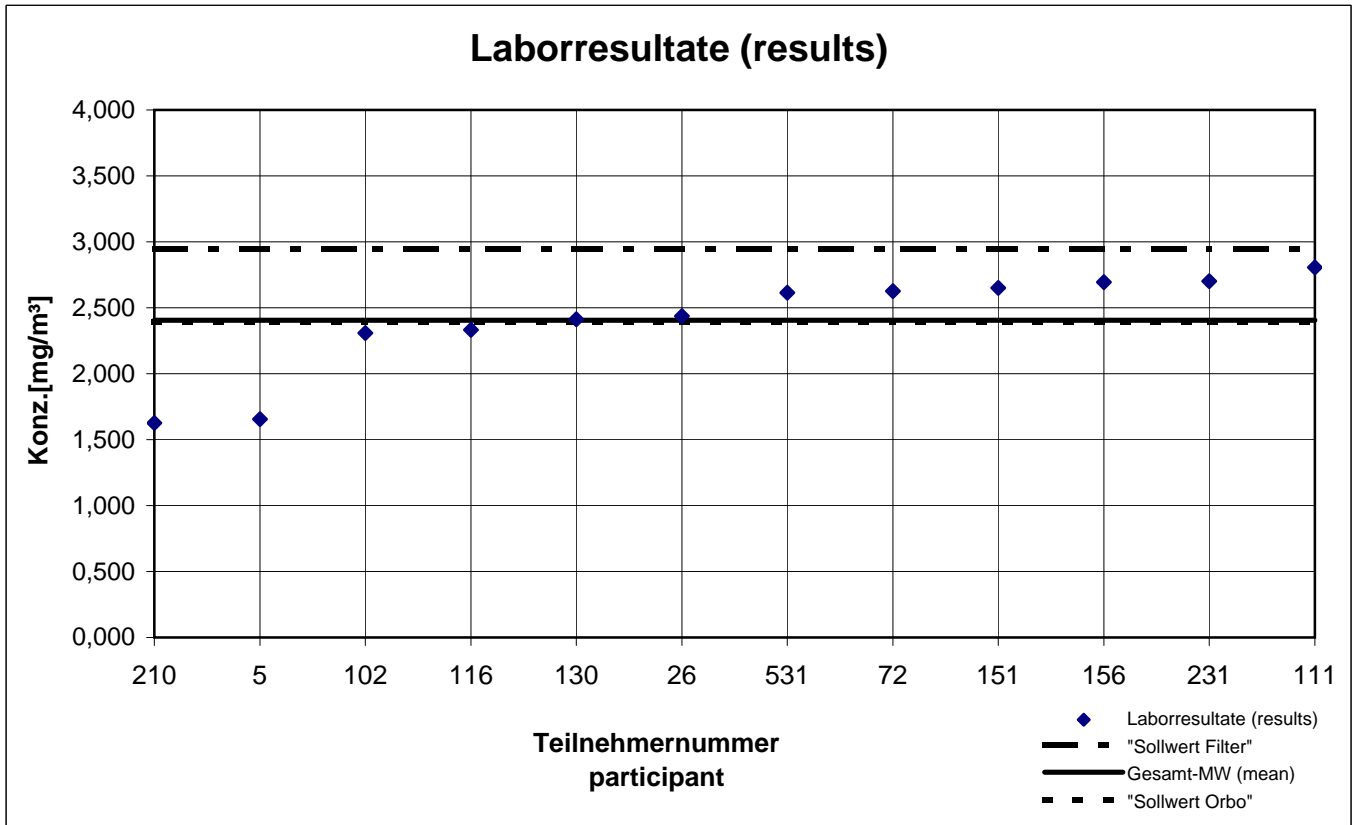
Probe 3 (sample 3)

Salzsäure (hydrochloric acid)



Probe 3 (sample 3)

Salpetersäure (nitric acid)



results filter 1

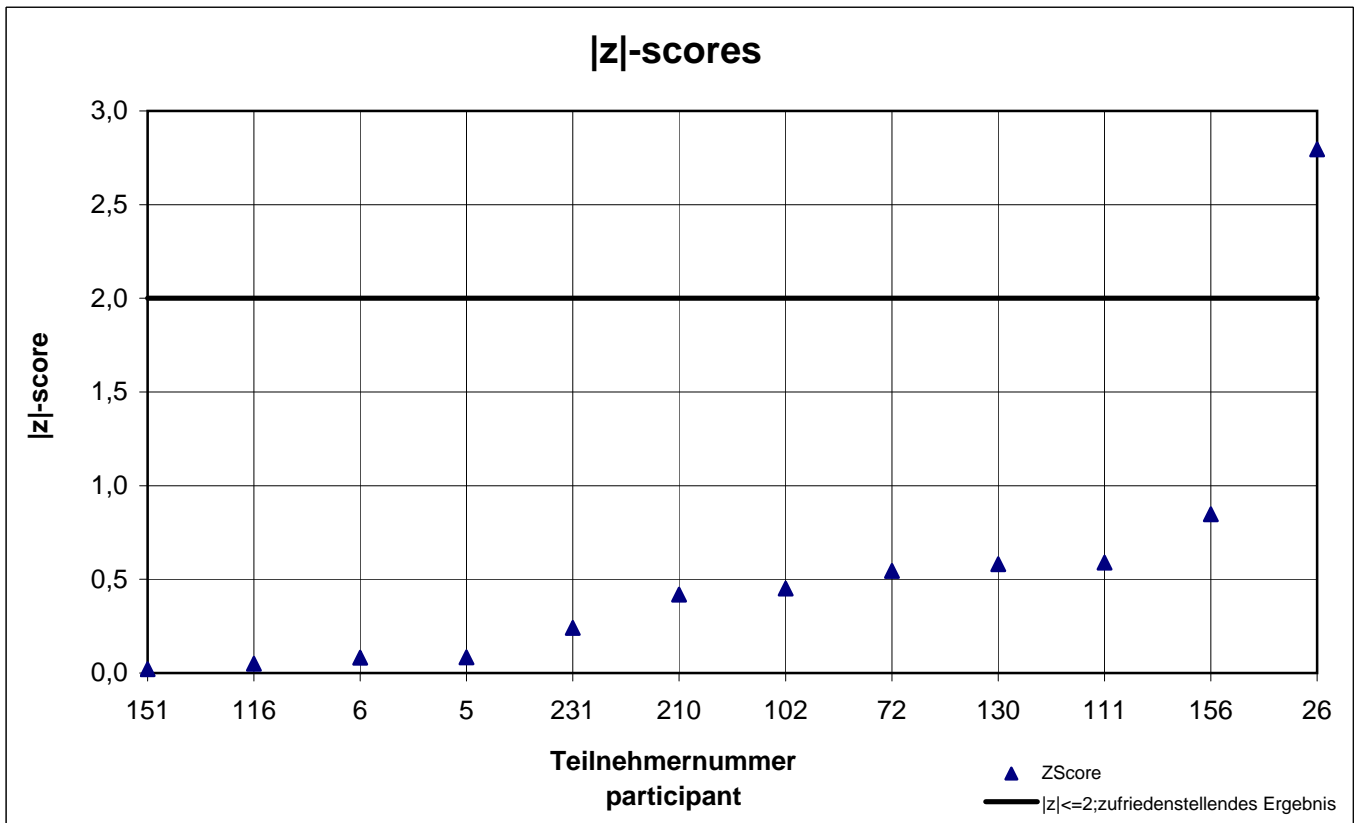
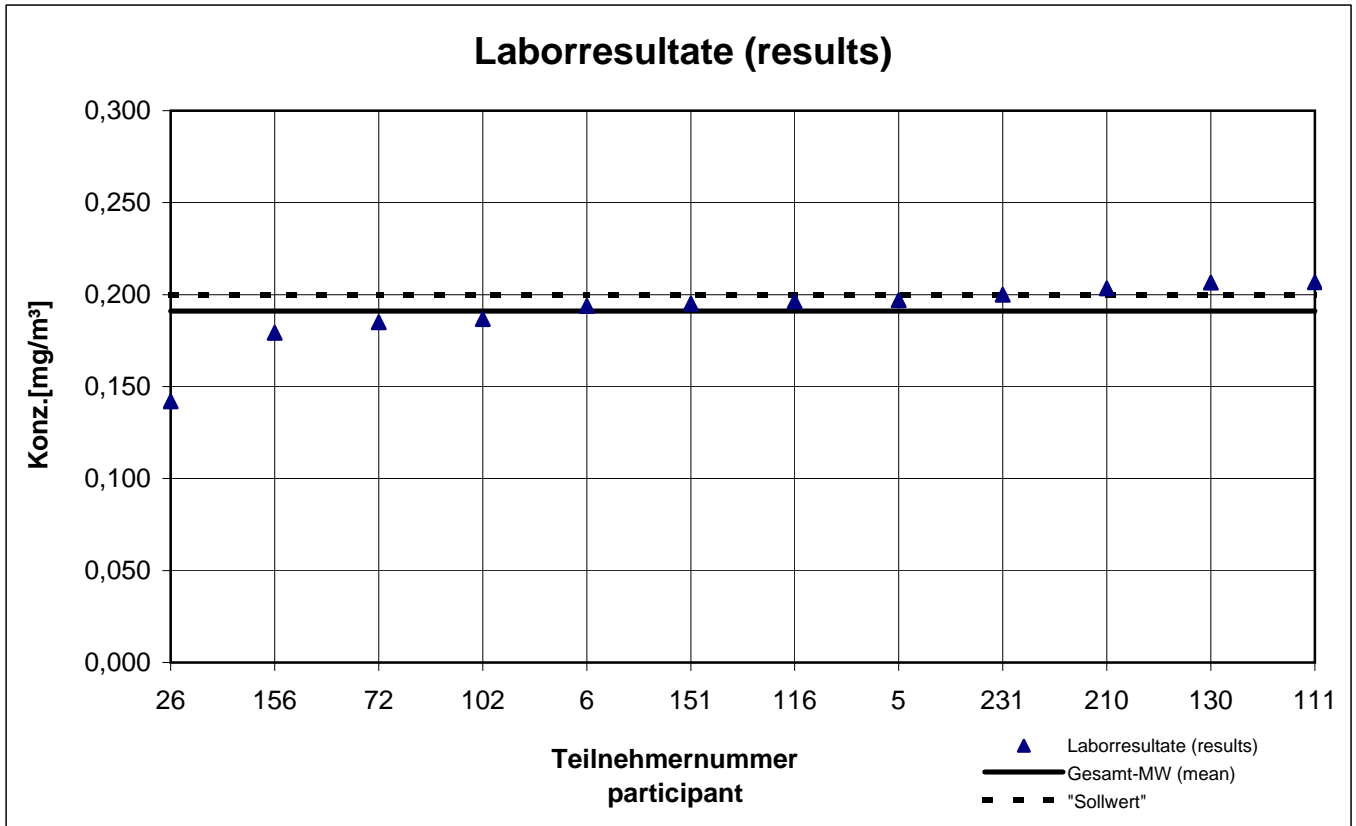
participant	Phosphoric acid		Sulfuric acid	
	result [mg/m ³]	z - score	result [mg/m ³]	z - score
5	0,197	0,1	0,009	1,7
6	0,194	0,1	0,018	6,3
26	0,142	2,8	0,015	3,8
72	0,185	0,5	0,010	0,8
102	0,187	0,5	0,009	1,7
111	0,207	0,6	0,012	1,4
116	0,196	0,0	0,009	2,0
130	0,207	0,6	0,012	1,1
151	0,195	0,0	0,011	0,1
156	0,179	0,8	0,014	2,7
210	0,203	0,4	0,013	1,8
231	0,200	0,2	0,010	0,8

 marked fields are outliers!

	Phosphoric acid	Sulphuric acid
mean c_k [mg / m ³]	0,191	0,011
standard deviation S_k [mg / m ³]	0,0176	0,0017
relative standard deviation [%]	9,21	16,56
mean value of control samples "Sollwert" [mg/m ³]	0,200	0,011

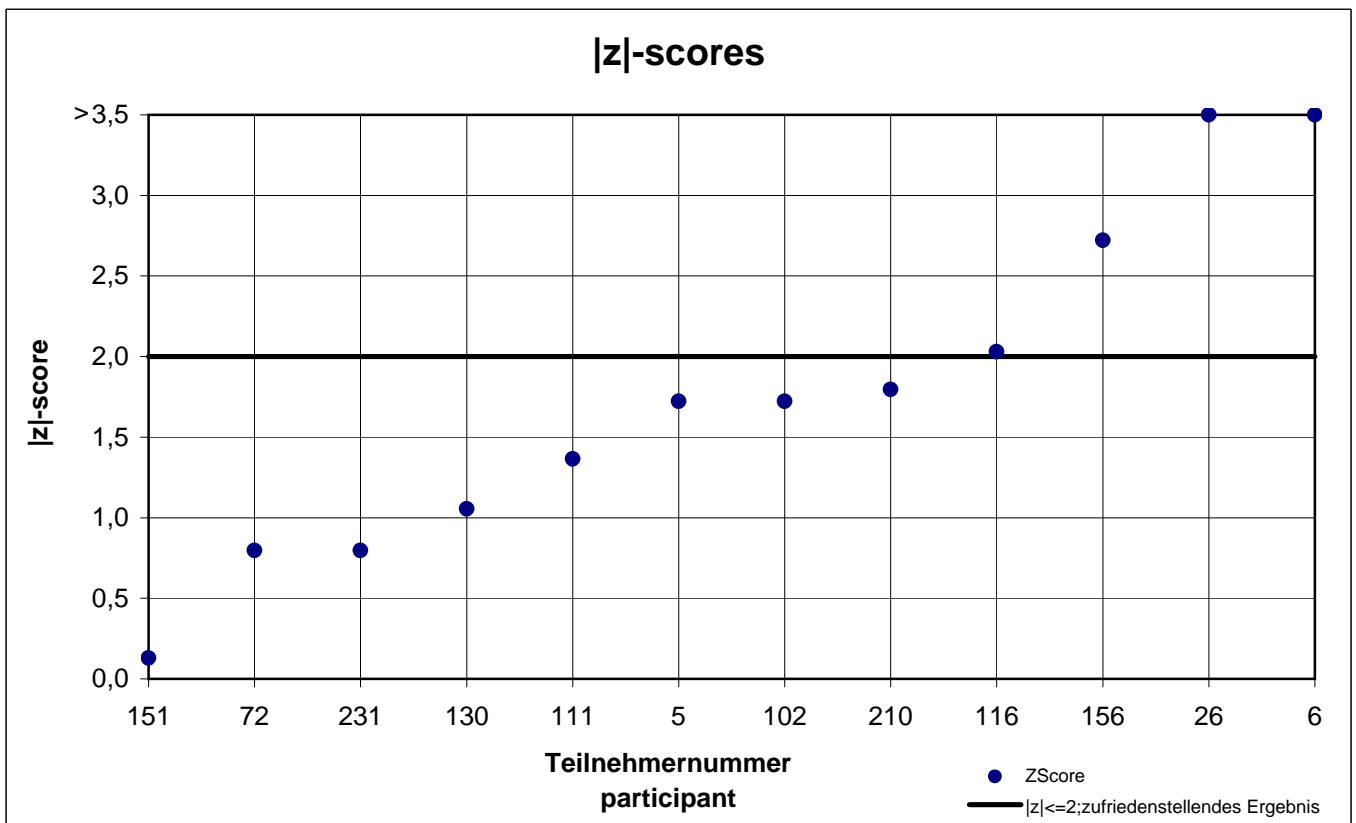
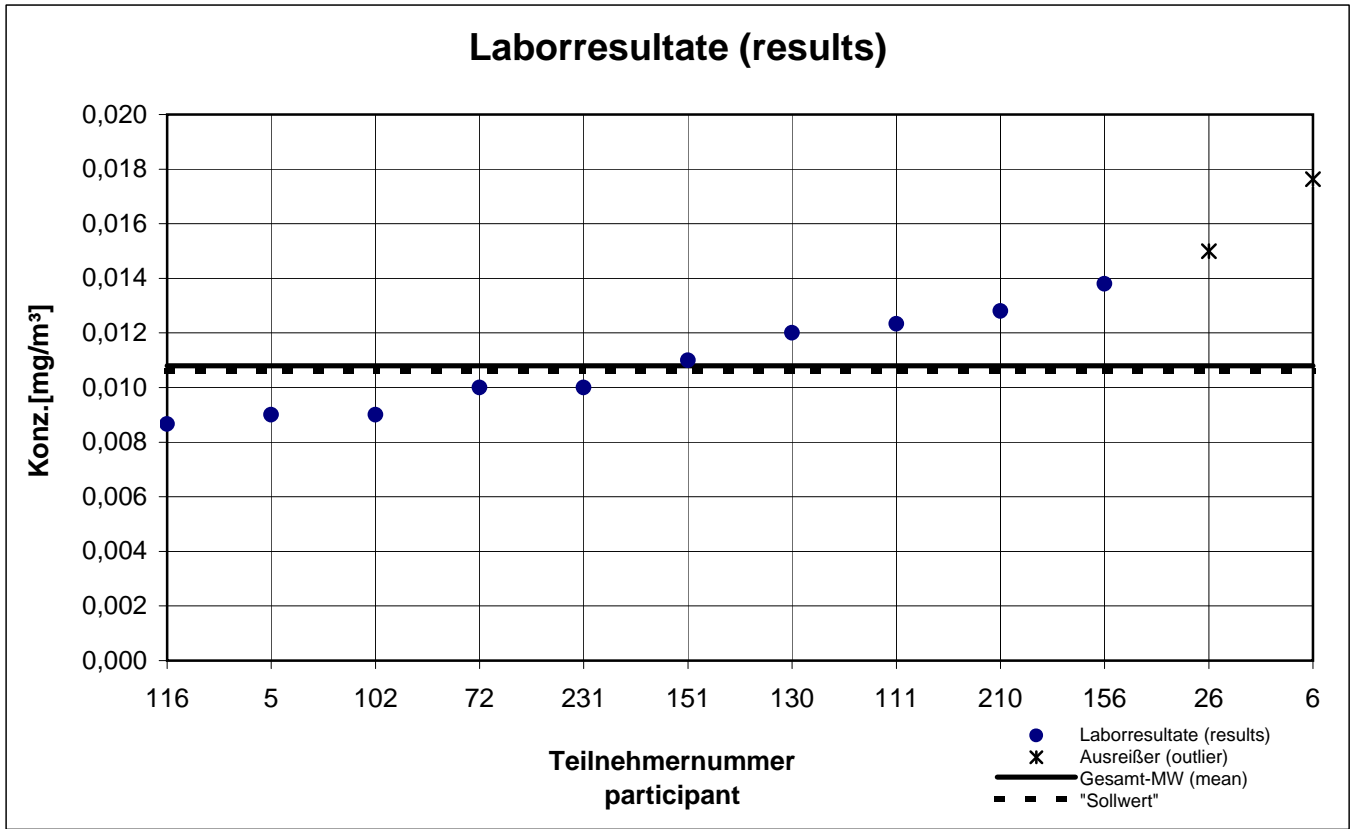
Filter Probe 1 (sample 1 filter)

Phosphorsäure (phosphoric acid)



Filter Probe 1 (sample 1 filter)

Schwefelsäure (sulfuric acid)



results filter 2

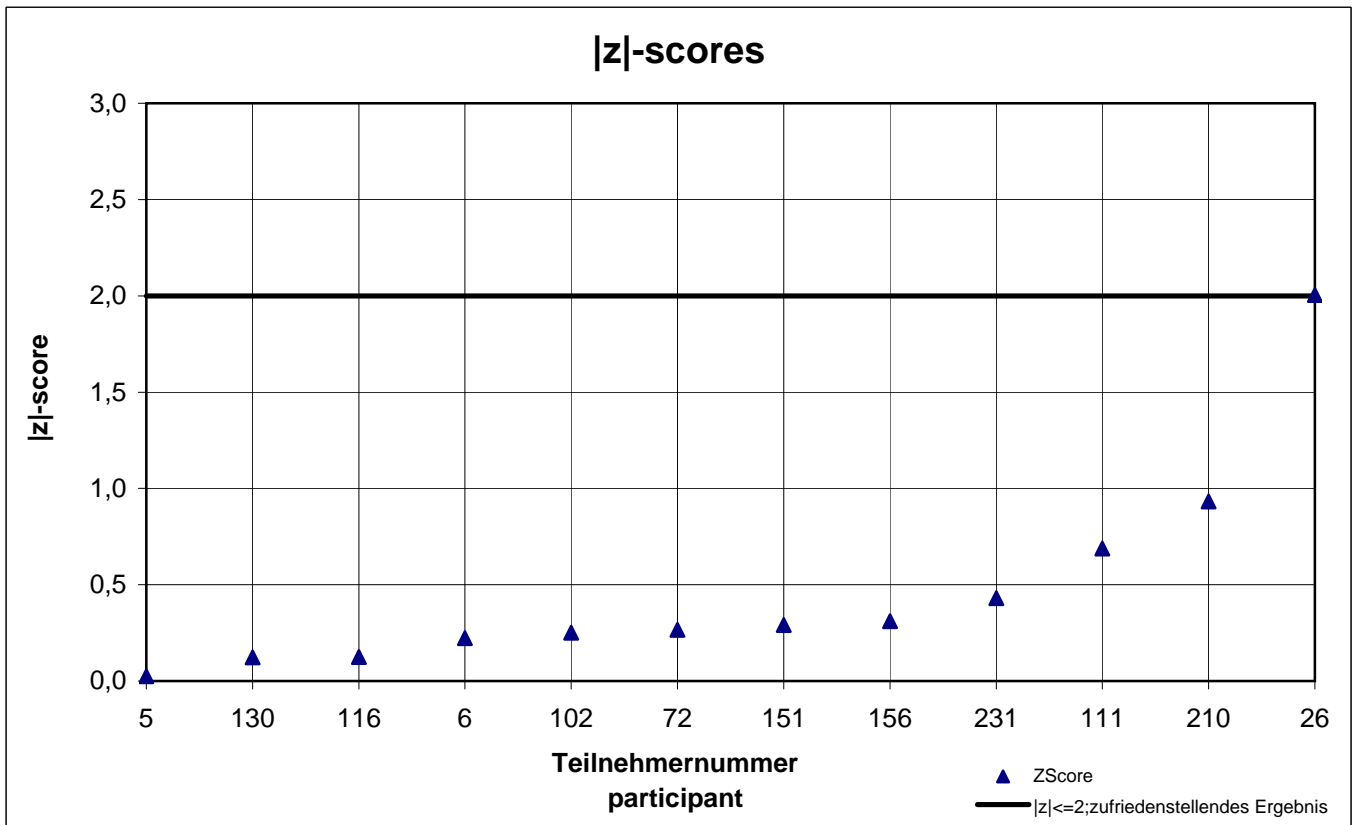
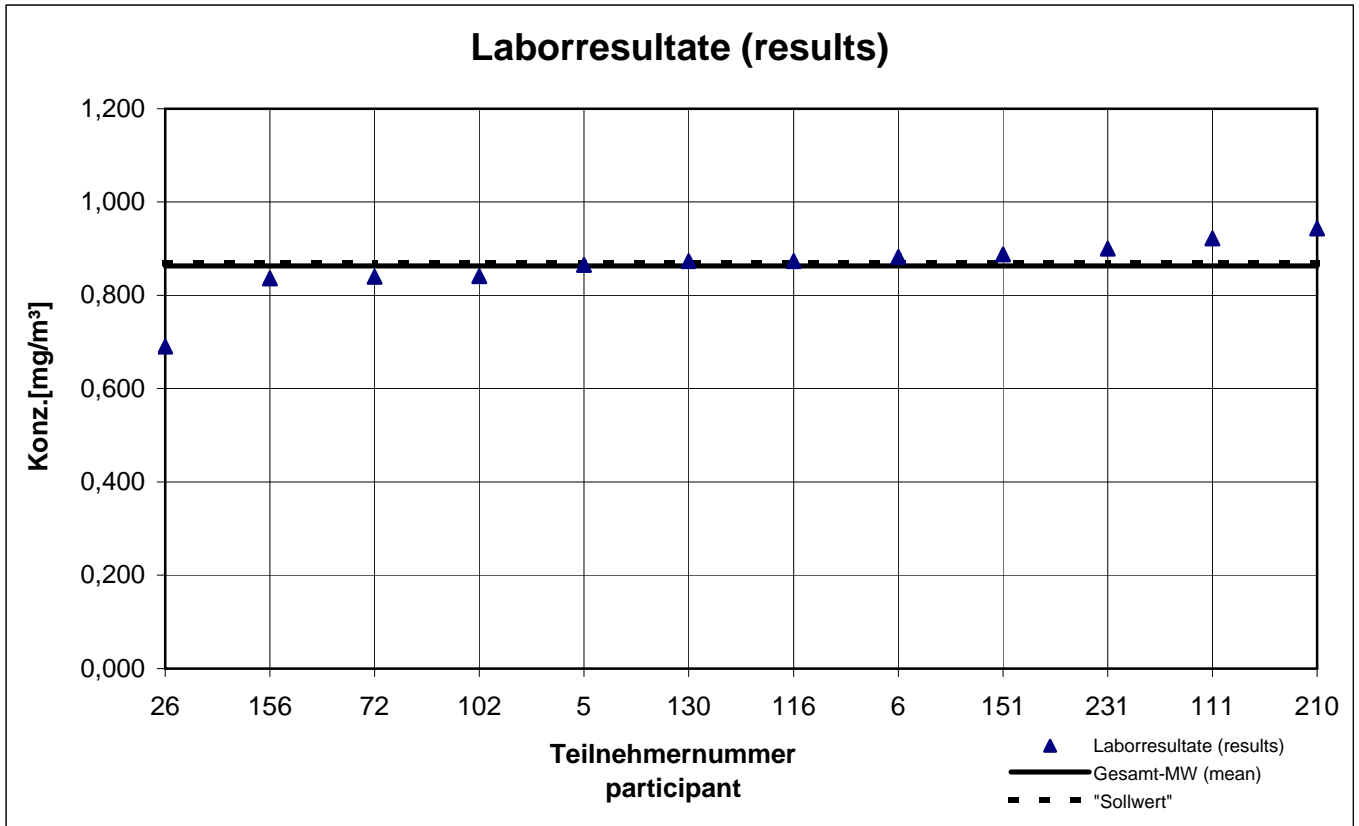
participant	Phosphoric acid		Sulfuric acid	
	result [mg/m ³]	z - score	result [mg/m ³]	z - score
5	0,865	0,0	0,042	1,0
6	0,882	0,2	0,057	2,2
26	0,690	2,0	0,041	1,2
72	0,840	0,3	0,052	1,2
102	0,841	0,3	0,044	0,5
111	0,922	0,7	0,050	0,8
116	0,874	0,1	0,044	0,6
130	0,874	0,1	0,050	0,7
151	0,888	0,3	0,047	0,1
156	0,836	0,3	0,034	2,6
210	0,943	0,9	0,052	1,0
231	0,900	0,4	0,047	0,1

 marked fields are outliers!

	Phosphoric acid	Sulphuric acid
mean c_k [mg / m ³]	0,863	0,047
standard deviation S_k [mg / m ³]	0,0634	0,0060
relative standard deviation [%]	7,35	12,87
mean value of control samples "Sollwert" [mg/m ³]	0,868	0,046

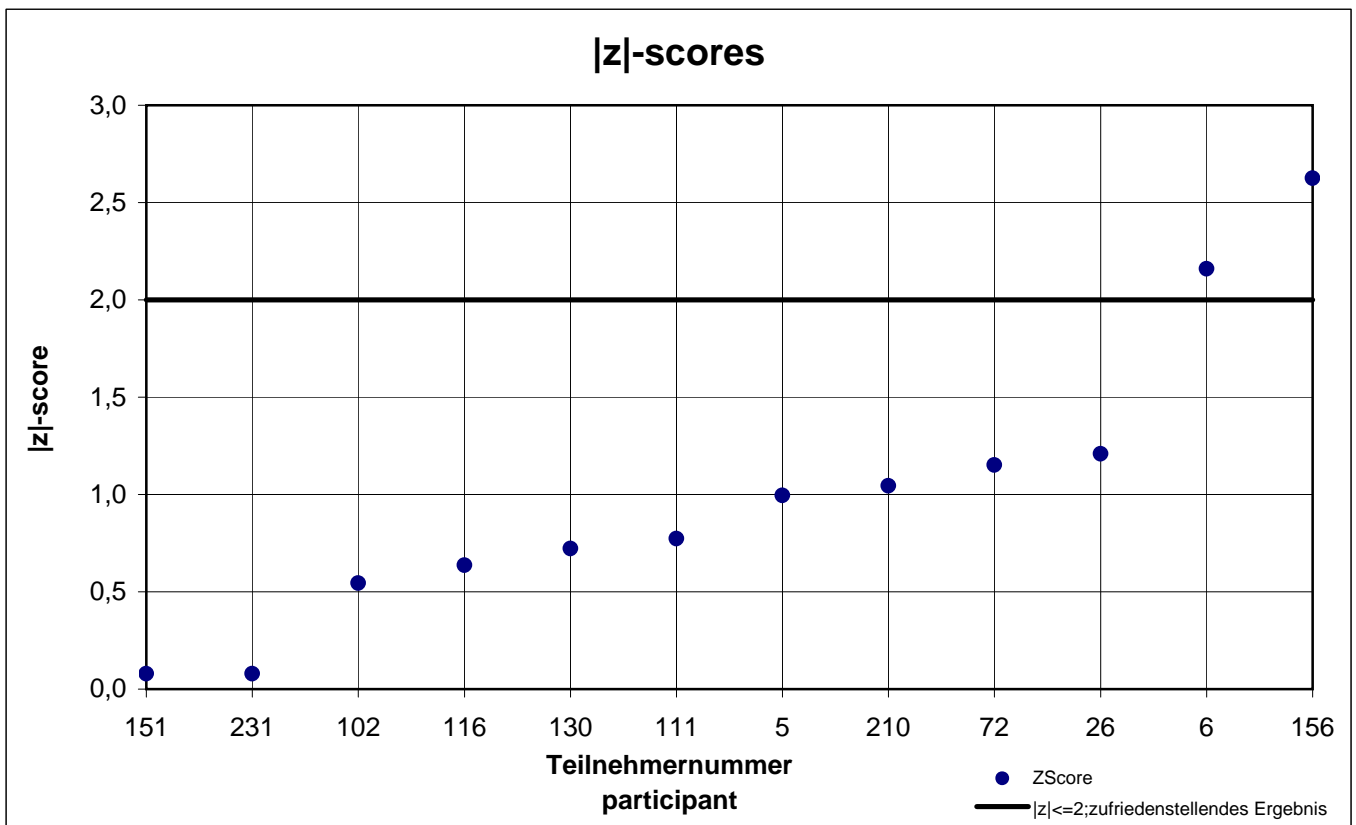
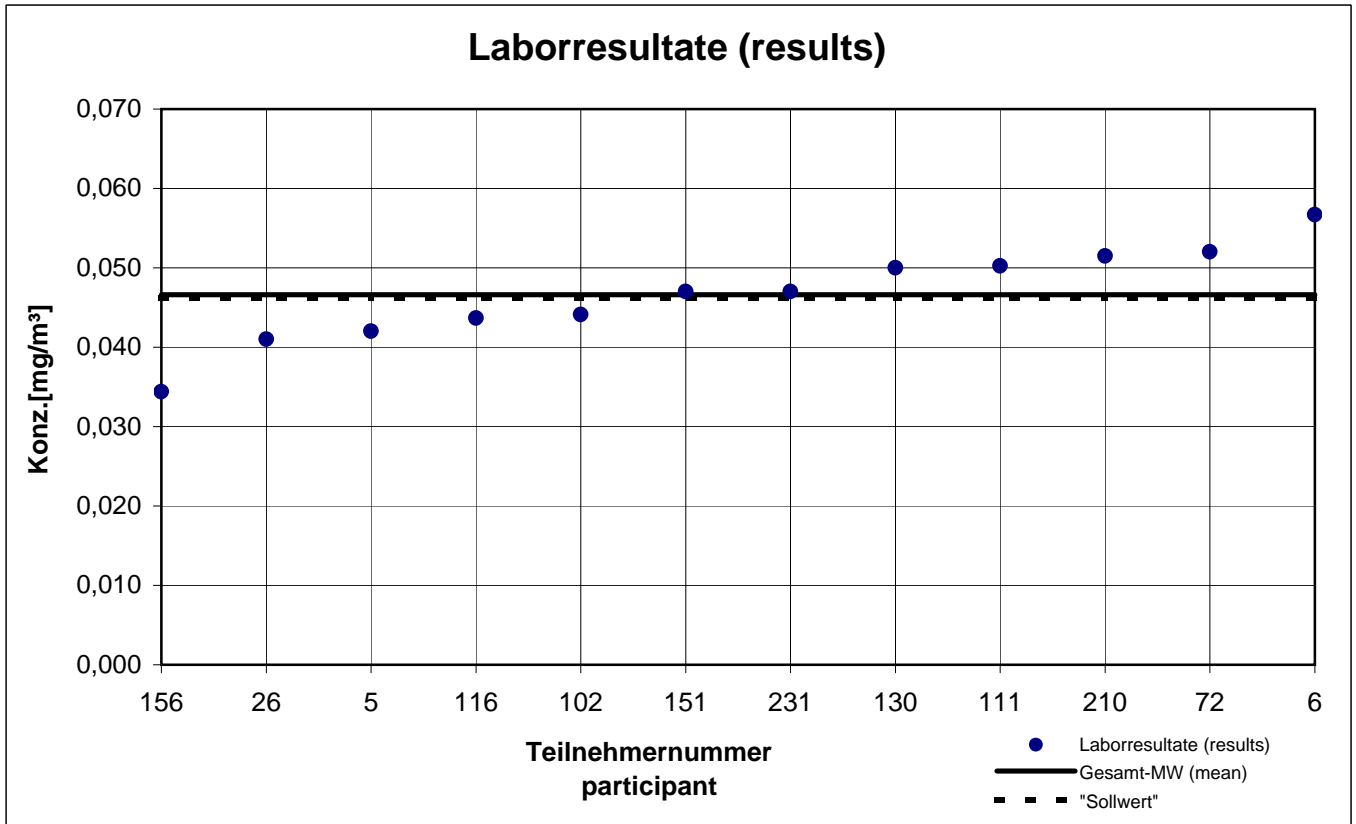
Filter Probe 2 (sample 2 filter)

Phosphorsäure (phosphoric acid)



Filter Probe 2 (sample 2 filter)

Schwefelsäure (sulfuric acid)



results filter 3

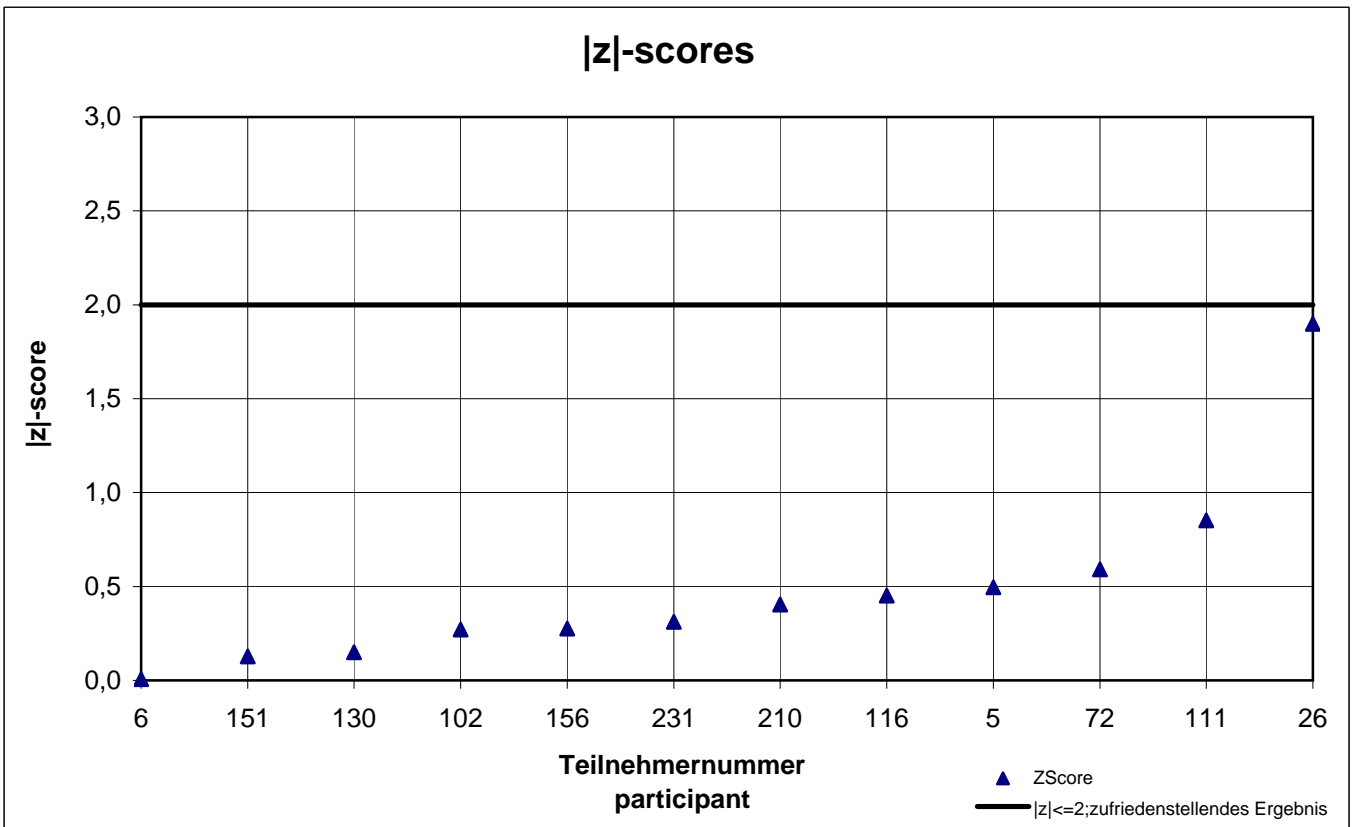
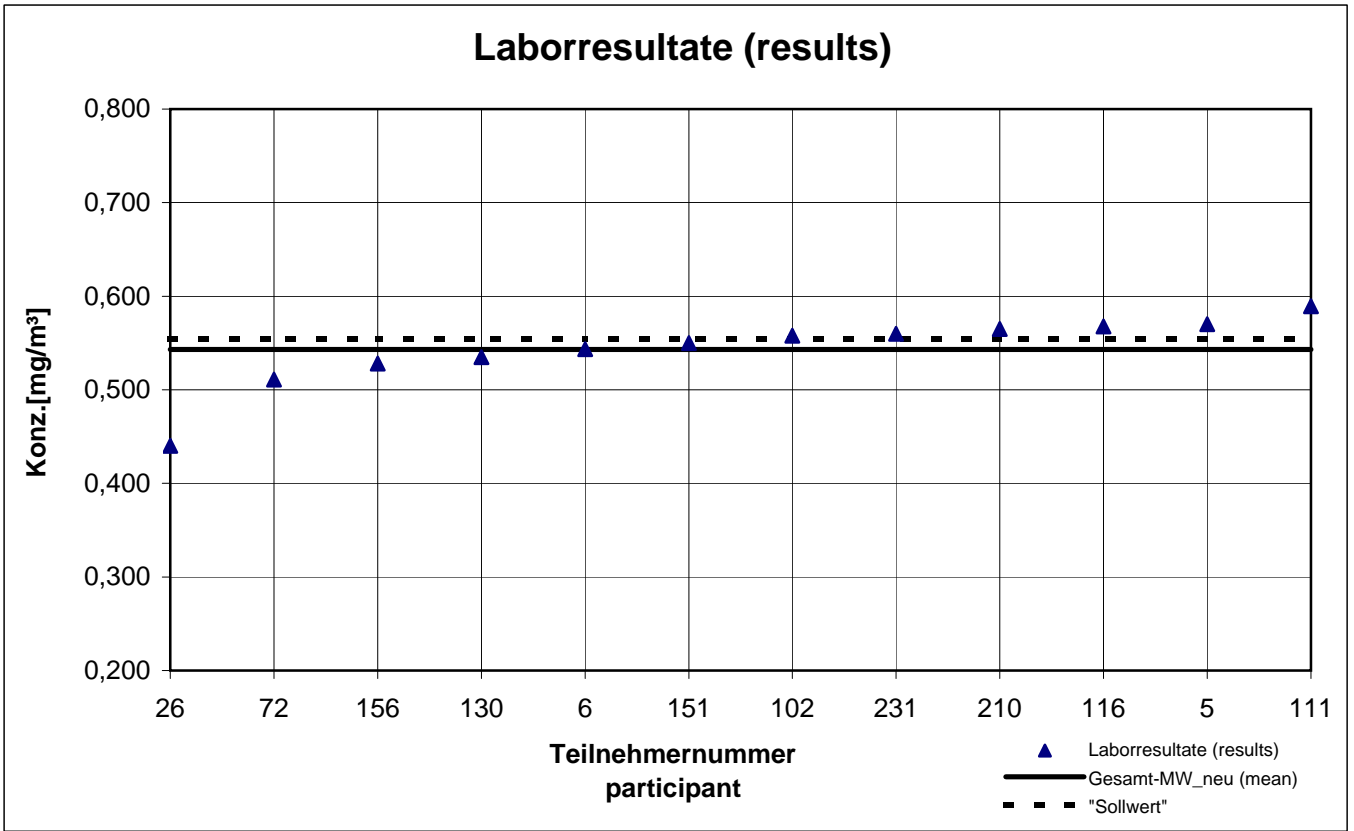
participant	Phosphoric acid		Sulfuric acid	
	result [mg/m ³]	z - score	result [mg/m ³]	z - score
5	0,570	0,5	0,062	2,2
6	0,544	0,0	0,083	0,5
26	0,440	1,9	0,068	1,4
72	0,511	0,6	0,084	0,6
102	0,558	0,3	0,082	0,4
111	0,589	0,9	0,088	1,1
116	0,568	0,5	0,069	1,2
130	0,535	0,1	0,089	1,2
151	0,550	0,1	0,083	0,5
156	0,528	0,3	0,072	1,0
210	0,565	0,4	0,088	1,1
231	0,560	0,3	0,082	0,4

 marked fields are outliers!

	Phosphoric acid	Sulphuric acid
mean c_k [mg / m ³]	0,543	0,079
standard deviation S_k [mg / m ³]	0,0387	0,0089
relative standard deviation [%]	7,12	11,32
mean value of control samples "Sollwert" [mg/m ³]	0,554	0,083

Filter Probe 3 (sample 3 filter)

Phosphorsäure (phosphoric acid)



Filter Probe 3 (sample 3 filter)

Schwefelsäure (sulfuric acid)

