Zusammenfassung der ausreißerbereinigten Ringversuchsergebnisse

Parameter	Probe	Einheit	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR
2,4-D (2,4-Dichlorphenoxyessigsäure)	PM02 A	µg/l	20	2	0.303	±	0.022	0.233	0.36	0.0327	11
	PM02 B	µg/l	20	2	0.191	±	0.0152	0.156	0.253	0.0227	12
2,6-Dichlorbenzamid	PM02 A	µg/l	20	0	0.883	±	0.0593	0.707	1.01	0.0884	10
	PM02 B	µg/l	19	1	2.53	±	0.132	2.23	2.97	0.192	7.6
2-Amino-4-Methoxy-6-Methyl-1,3,5-Triazin	PM02 A	µg/l	4	0	-	±	-	0.036	0.287	-	-
	PM02 B	µg/l	6	1	0.182	±	0.0175	0.159	0.199	0.0143	7.8
3,5,6-Trichlor-2-Pyridinol	PM02 A	µg/l	2	0	-	±	-	0.097	0.099	-	-
	PM02 B	µg/l	6	0	0.406	±	0.183	0.179	0.627	0.149	37
Alachlor	PM02 A	µg/l	15	0	0.5	±	0.0649	0.364	0.66	0.0838	17
	PM02 B	µg/l	1	0	-	±	-	0.0043	0.0043	-	-
Alachlor-Sulfonsäure (Alachlor-ESA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	5	1	-	±	-	2.26	3.13	-	-
Alachlor-Säure (Alachlor-OA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	7	1	0.475	±	0.0605	0.405	0.559	0.0533	11
Aldrin	PM02 A	µg/l	9	2	0.0379	±	0.00855	0.03	0.055	0.00855	23
	PM02 B	µg/l	1	0	-	±	-	0.0022	0.0022	-	-
Ampa	PM02 A	µg/l	3	0	-	±	-	0.006	0.227	-	-
	PM02 B	µg/l	11	1	0.715	±	0.159	0.4	1.04	0.175	25
Atrazin	PM02 A	µg/l	22	0	0.154	±	0.00877	0.128	0.178	0.0137	8.9
	PM02 B	µg/l	2	0	-	±	-	0.003	0.006	-	-
Atrazin-2-Hydroxy	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	7	1	1.52	±	0.174	1.27	1.73	0.153	10
Atrazin-Desethyl	PM02 A	µg/l	2	0	-	±	-	0.005	0.006	-	-
	PM02 B	µg/l	20	0	0.212	±	0.0153	0.164	0.272	0.0228	11
Atrazin-Desethyl-Desisopropyl	PM02 A	µg/l	1	0	-	±	-	0.014	0.014	-	-

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Atrazin-Desethyl-Desisopropyl	PM02 B	µg/l	7	0	0.872	±	0.204	0.642	1.09	0.18	21
Atrazin-Desisopropyl	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	18	0	0.46	±	0.0348	0.37	0.564	0.0493	11
Azoxystrobin	PM02 A	µg/l	15	0	0.141	±	0.0175	0.095	0.182	0.0226	16
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Azoxystrobin-O-Demethyl (CyPM)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	4	0	-	±	-	0.334	0.858	-	-
Bentazon	PM02 A	µg/l	22	0	0.091	±	0.00744	0.068	0.112	0.0116	13
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Bromacil	PM02 A	µg/l	10	1	0.164	±	0.0144	0.14	0.188	0.0152	9.3
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Chloridazon	PM02 A	µg/l	16	3	0.0873	±	0.00567	0.0693	0.102	0.00756	8.7
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Chloridazon-Desphenyl	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	12	0	3.11	±	0.194	2.75	3.43	0.225	7.2
Chloridazon-Methyl-Desphenyl	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	11	1	0.115	±	0.00942	0.095	0.134	0.0104	9
Chlorthalonil Metabolit R611965 (3-carbamyl-2,4,5-trichlorbenzoesäure)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	2	0	-	±	-	2.87	3.17	-	-
Chlorthalonil Sulfonsäure (Chlorthalonil-ESA)	PM02 A	µg/l	1	0	-	±	-	0.22	0.22	-	-
	PM02 B	µg/l	4	2	-	±	-	1.76	1.93	-	-
Clopyralid	PM02 A	µg/l	8	0	0.351	±	0.0762	0.237	0.448	0.0718	20
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Clothianidin	PM02 A	µg/l	11	3	0.162	±	0.0146	0.136	0.199	0.0162	10
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Dicamba	PM02 A	µg/l	10	3	0.683	±	0.0311	0.625	0.72	0.0328	4.8
	PM02 B	µg/l	1	0	-	±	-	0.065	0.065	-	-

Parameter	Probe	Einheit	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR
Dichlorprop	PM02 A	µg/l	20	1	0.606	±	0.0444	0.452	0.733	0.0662	11
	PM02 B	µg/l	18	3	0.222	±	0.0162	0.173	0.266	0.023	10
Dieldrin	PM02 A	µg/l	10	1	0.06	±	0.0154	0.03	0.078	0.0163	27
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Dimethachlor	PM02 A	µg/l	15	0	0.432	±	0.0351	0.369	0.51	0.0453	10
	PM02 B	µg/l	1	0	-	±	-	0.025	0.025	-	-
Dimethachlor-Sulfonsäure (CGA 354742, Dimethachlor ESA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	9	0	0.462	±	0.0516	0.388	0.533	0.0516	11
Dimethachlor-Säure (CGA 50266, Dimethachlor OA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	7	2	0.2	±	0.0487	0.154	0.287	0.0429	21
Dimethachlor Metabolit - CGA 369873	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	4	0	-	±	-	0.09	0.167	-	-
Dimethachlor Metabolit - CGA 373464 (Essigsäuremethylester)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	2	0	-	±	-	0.514	0.618	-	-
Dimethachlor Metabolit - CGA 373464 (freie Säure)	PM02 A	µg/l	1	0	-	±	-	0.412	0.412	-	-
	PM02 B	µg/l	2	0	-	±	-	0.405	0.733	-	-
Dimethenamid	PM02 A	µg/l	17	1	0.537	±	0.0315	0.486	0.634	0.0433	8.1
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Dimethenamid-Sulfonsäure (Dimethenamid-ESA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	10	0	0.911	±	0.187	0.451	1.18	0.197	22
Dimethenamid-Säure (Dimethenamid-OA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	6	1	0.371	±	0.0703	0.269	0.434	0.0574	15
Diuron	PM02 A	µg/l	21	1	0.295	±	0.0188	0.234	0.332	0.0287	9.7

Parameter	Probe	Einheit	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR
Diuron	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Ethofumesat	PM02 A	µg/l	13	2	0.153	±	0.0132	0.127	0.179	0.0159	10
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Flufenacet	PM02 A	µg/l	15	1	0.43	±	0.0434	0.332	0.55	0.056	13
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Flufenacet-Sulfonsäure (Flufenacet ESA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	6	1	0.8	±	0.215	0.501	0.983	0.176	22
Flufenacet-Säure (Flufenacet OA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	7	0	0.191	±	0.0874	0.039	0.275	0.0771	40
Glufosinat	PM02 A	µg/l	7	1	0.148	±	0.0493	0.088	0.215	0.0434	29
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Glyphosat	PM02 A	µg/l	12	1	0.366	±	0.0555	0.27	0.441	0.0641	18
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Heptachlor	PM02 A	µg/l	10	0	0.0486	±	0.0266	0.01	0.0864	0.0281	58
	PM02 B	µg/l	1	0	-	±	-	0.0015	0.0015	-	-
Heptachlorepoxid	PM02 A	µg/l	2	0	-	±	-	0.018	0.037	-	-
	PM02 B	µg/l	7	2	0.185	±	0.0222	0.148	0.209	0.0196	11
Hexazinon	PM02 A	µg/l	16	1	0.22	±	0.0201	0.174	0.28	0.0268	12
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Imidacloprid	PM02 A	µg/l	14	0	0.307	±	0.0287	0.248	0.366	0.0358	12
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Iodosulfuron-Methyl	PM02 A	µg/l	11	1	0.405	±	0.0469	0.347	0.485	0.0518	13
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Isoproturon	PM02 A	µg/l	21	1	0.301	±	0.0199	0.249	0.358	0.0303	10
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Isoproturon-Desmethyl	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	7	0	0.147	±	0.0118	0.131	0.16	0.0104	7.1
MCPA	PM02 A	µg/l	20	3	0.237	±	0.0108	0.205	0.272	0.0161	6.8

Parameter	Probe	Einheit	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR
MCPA	PM02 B	µg/l	1	0	-	±	-	0.022	0.022	-	-
MCPB	PM02 A	µg/l	1	0	-	±	-	0.0217	0.0217	-	-
	PM02 B	µg/l	15	1	0.485	±	0.039	0.373	0.581	0.0503	10
MCPP (Mecoprop)	PM02 A	µg/l	22	0	0.118	±	0.00973	0.091	0.15	0.0152	13
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Mesosulfuron-Methyl	PM02 A	µg/l	8	1	0.228	±	0.0255	0.192	0.261	0.0241	11
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Metalaxyl	PM02 A	µg/l	16	0	0.533	±	0.0393	0.451	0.634	0.0524	9.8
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Metamitron	PM02 A	µg/l	18	2	0.51	±	0.0476	0.43	0.666	0.0673	13
	PM02 B	µg/l	19	0	0.157	±	0.0156	0.123	0.211	0.0227	14
Metazachlor	PM02 A	µg/l	17	4	0.26	±	0.00676	0.241	0.274	0.0093	3.6
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Metazachlor-Sulfonsäure (Metazachlor ESA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	13	0	2.77	±	0.367	2.08	3.26	0.441	16
Metazachlor-Säure (Metazachlor OA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	12	1	1.32	±	0.202	0.875	1.64	0.233	18
Metolachlor	PM02 A	µg/l	22	0	0.403	±	0.0313	0.282	0.5	0.0489	12
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Metribuzin	PM02 A	µg/l	15	2	0.0895	±	0.00875	0.064	0.11	0.0113	13
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Metribuzin-Desamino	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	7	1	0.256	±	0.0346	0.206	0.298	0.0305	12
Metsulfuron-Methyl	PM02 A	µg/l	10	1	0.254	±	0.0343	0.197	0.32	0.0362	14
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
N,N-Dimethylsulfamid (DMS)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	8	0	1.07	±	0.217	0.749	1.44	0.205	19

Parameter	Probe	Einheit	Anzahl Labors für Berechnung	Anzahl Ausreißer Labors	Mittelwert	±	VB (99%)	Minimum	Maximum	sR	vR
Nicosulfuron	PM02 A	µg/l	14	3	0.919	±	0.222	0.398	1.46	0.276	30
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Pethoxamid	PM02 A	µg/l	9	2	0.176	±	0.0111	0.159	0.198	0.0111	6.3
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Propazin	PM02 A	µg/l	16	1	0.49	±	0.0258	0.419	0.536	0.0344	7
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Propazin-2-Hydroxy	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	6	0	0.205	±	0.0224	0.186	0.23	0.0183	8.9
Propiconazol	PM02 A	µg/l	16	0	0.152	±	0.0146	0.125	0.191	0.0194	13
	PM02 B	µg/l	16	0	0.363	±	0.0362	0.289	0.446	0.0482	13
s-Metolachlor-Sulfonsäure (Metolachlor-ESA)	PM02 A	µg/l	1	0	-	±	-	0.001	0.001	-	-
	PM02 B	µg/l	15	0	2.75	±	0.245	2.15	3.41	0.317	12
s-Metolachlor-Säure (Metolachlor OA)	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	13	0	1.09	±	0.142	0.814	1.48	0.171	16
s-Metolachlor Metabolit CGA 368208	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	3	0	-	±	-	0.333	0.394	-	-
s-Metolachlor Metabolit NOA 413173	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	3	2	-	±	-	0.377	0.386	-	-
Simazin	PM02 A	µg/l	18	3	0.123	±	0.00681	0.105	0.145	0.00963	7.9
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Terbuthylazin	PM02 A	µg/l	22	0	0.254	±	0.0165	0.205	0.292	0.0258	10
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Terbuthylazin-2-Hydroxy	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	7	0	0.204	±	0.0276	0.158	0.229	0.0244	12
Terbuthylazin-2-Hydroxy-Desethyl	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	6	0	0.122	±	0.0256	0.103	0.157	0.0209	17
Terbuthylazin-Desethyl	PM02 A	µg/l	2	0	-	±	-	0.001	0.616	-	-

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Terbuthylazin-Desethyl	PM02 B	µg/l	16	2	0.504	±	0.0313	0.446	0.586	0.0417	8.3
Thiacloprid	PM02 A	µg/l	13	2	0.295	±	0.0181	0.273	0.334	0.0217	7.4
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Thiamethoxam	PM02 A	µg/l	0	0	-	±	-	-	-	-	-
	PM02 B	µg/l	13	2	0.128	±	0.0118	0.107	0.153	0.0141	11
Thifensulfuron-Methyl	PM02 A	µg/l	13	2	0.765	±	0.0774	0.614	0.949	0.0931	12
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Tolylfluanid	PM02 A	µg/l	1	0	-	±	-	0.445	0.445	-	-
	PM02 B	µg/l	1	0	-	±	-	0.414	0.414	-	-
Tribenuron-Methyl	PM02 A	µg/l	10	2	0.154	±	0.0906	0.05	0.323	0.0955	62
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Triclopyr	PM02 A	µg/l	10	1	0.48	±	0.0503	0.412	0.596	0.0531	11
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Triflusulfuron-Methyl	PM02 A	µg/l	10	0	0.407	±	0.143	0.119	0.691	0.15	37
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-
Tritosulfuron	PM02 A	µg/l	5	1	-	±	-	0.489	0.692	-	-
	PM02 B	µg/l	0	0	-	±	-	-	-	-	-

Legende:

Mittelwert	Ausreißerbereinigter Mittelwert über die Teilnehmerergebnisse (angegeben auf 3 signifikante Stellen)
VB (99%)	99% Vertrauensbereich (angegeben auf 3 signifikante Stellen)
Minimum	Minimaler abgegebener Messwert, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
Maximum	Maximaler abgegebener Messwert, ausreißerbereinigt (angegeben auf 3 signifikante Stellen)
sR	Vergleichsstandardabweichung berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs (angegeben auf 3 signifikante Stellen)
vR	relative Vergleichsstandardabweichung in %, berechnet aus den ausreißerbereinigten Teilnehmerergebnissen des aktuellen Ringversuchs bezogen auf den Mittelwert (angegeben auf 2 signifikante Stellen)