

Summary of results, after removal of outliers

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	± CI (99%)	Minimum	Maximum	SD	RSD %
2,4-D (2,4-Dichlorophenoxyaceticacid)	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-Dichlorobenzamide	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-triazine	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-Trichloro-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-t-sulfonic acid (Alachlor-ESA)	PM02 A	µg/l	0	0	-	± -	-	-	-	-
Alachlor-t-acid (Alachlor-OA)	PM02 B	µg/l	5	1	-	± -	2.26	3.13	-	-
	PM02 A	µg/l	0	0	-	± -	-	-	-	-
Aldrin	PM02 B	µg/l	7	1	0.475	± 0.0605	0.405	0.559	0.0533	11
	PM02 A	µg/l	9	2	0.0379	± 0.00855	0.03	0.055	0.00855	23
AMPA	PM02 B	µg/l	1	0	-	± -	0.0022	0.0022	-	-
	PM02 A	µg/l	3	0	-	± -	0.006	0.227	-	-
Atrazine	PM02 B	µg/l	11	1	0.715	± 0.159	0.4	1.04	0.175	25
	PM02 A	µg/l	22	0	0.154	± 0.00877	0.128	0.178	0.0137	8.9
Atrazine-2-hydroxy	PM02 B	µg/l	2	0	-	± -	0.003	0.006	-	-
	PM02 A	µg/l	0	0	-	± -	-	-	-	-
Atrazine-desethyl	PM02 B	µg/l	7	1	1.52	± 0.174	1.27	1.73	0.153	10
	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

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Atrazine-desethyl-desisopropyl	PM02 A	µg/l	1	0	-	± -	0.014	0.014	-	-
	PM02 B	µg/l	7	0	0.872	± 0.204	0.642	1.09	0.18	21
Atrazine-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	-	-
Bentazone	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
Chlorothalonil Metabolit R611965 (3-carbamyl-2,4,5-trichlorobenzoic acid)	PM02 A	µg/l	0	0	-	± -	-	-	-	-
	PM02 B	µg/l	2	0	-	± -	2.87	3.17	-	-
Chlorothalonil sulfonic acid (Chlorothalonil-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	-	± -	-	-	-	-

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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	-	-
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 ethane sulfonic acid (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 oxalamic acid (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 Metabolite - CGA 369873	PM02 A	µg/l	0	0	-	± -	-	-	-	-
	PM02 B	µg/l	4	0	-	± -	0.09	0.167	-	-
Dimethachlor Metabolite - CGA 373464 (acetic acid methyl ester)	PM02 A	µg/l	0	0	-	± -	-	-	-	-
	PM02 B	µg/l	2	0	-	± -	0.514	0.618	-	-
Dimethachlor Metabolite - CGA 373464 (free acid)	PM02 A	µg/l	1	0	-	± -	0.412	0.412	-	-
	PM02 B	µg/l	2	0	-	± -	0.405	0.733	-	-
Dimethenamide	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-P-sulfonic acid (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-P-acid (Dimethenamid-	PM02 A	µg/l	0	0	-	± -	-	-	-	-

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OA)										
	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
	PM02 B	µg/l	0	0	-	± -	-	-	-	-
Ethofumesate	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 sulfonic acid (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 oxanilic acid (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
Glufosinate	PM02 A	µg/l	7	1	0.148	± 0.0493	0.088	0.215	0.0434	29
	PM02 B	µg/l	0	0	-	± -	-	-	-	-
Glyphosate	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	-	-
Heptachlor epoxid	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
Hexazinone	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

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Isoproturon	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
	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 ethane sulfonic acid (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 oxanilic acid (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

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	± CI (99%)	Minimum	Maximum	SD	RSD %
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-Dimethylsulfamide (DMS)	PM02 A	µg/l	0	0	-	± -	-	-	-	-
	PM02 B	µg/l	8	0	1.07	± 0.217	0.749	1.44	0.205	19
Nicosulfurone	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	-	± -	-	-	-	-
Propazine	PM02 A	µg/l	16	1	0.49	± 0.0258	0.419	0.536	0.0344	7
	PM02 B	µg/l	0	0	-	± -	-	-	-	-
Propazine-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
Propiconazole	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 ethanesulfonic acid (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 oxanilic acid (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 Metabolite CGA 368208	PM02 A	µg/l	0	0	-	± -	-	-	-	-
	PM02 B	µg/l	3	0	-	± -	0.333	0.394	-	-
s-Metolachlor Metabolite NOA 413173	PM02 A	µg/l	0	0	-	± -	-	-	-	-
	PM02 B	µg/l	3	2	-	± -	0.377	0.386	-	-
Simazine	PM02 A	µg/l	18	3	0.123	± 0.00681	0.105	0.145	0.00963	7.9
	PM02 B	µg/l	0	0	-	± -	-	-	-	-
Terbutylazine	PM02 A	µg/l	22	0	0.254	± 0.0165	0.205	0.292	0.0258	10

Parameter	Sample	Unit	Number of results for calculation	Number of outliers	Mean	± CI (99%)	Minimum	Maximum	SD	RSD %
Terbutylazine	PM02 B	µg/l	0	0	-	±	-	-	-	-
Terbutylazine-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
Terbutylazine-desethyl-2-hydroxy	PM02 A	µg/l	0	0	-	±	-	-	-	-
	PM02 B	µg/l	6	0	0.122	± 0.0256	0.103	0.157	0.0209	17
Terbutylazine-desethyl	PM02 A	µg/l	2	0	-	±	0.001	0.616	-	-
	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	-	±	-	-	-	-
Tolyfluanid	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	-	±	-	-	-	-

Legend:

Mean	Mean of the participants results, without outliers (3 significant digits)
CI (99%)	99% confidence interval (3 significant digits)
Minimum	Minimum of all submitted results, after removal of outliers (3 significant digits)
Maximum	Maximum of all submitted results, after removal of outliers (3 significant digits)
SD	Reproducibility standard deviation, calculated from the participants results, after removal of outliers (3 significant digits)
RSD %	Reproducibility standard deviation, calculated from the participants results relative to the target value, given in %, after removal of outliers (2 significant digits)