

Tabuľka 3: Prehľad použitých analytických metód ŠGÚDŠ

Skupina ukazovateľov	Ukazovateľ	Skratka v mape	Metóda stanovenia	Det. limit	Jednotka
Základné fyzikálno-chemické ukazovatele (ZFCHE)	Sodík	Na	AES-ICP	0.01	mg/l
	Draslík	K	AES-ICP	0.1	mg/l
	Vápnik	Ca	AES-ICP	1	mg/l
	Horčík	Mg	AES-ICP	0.2	mg/l
	Mangán	Mn	AES-ICP	0.005	mg/l
	Železo dvojmocné	Fe ²⁺	spektrofotometria	0.1	mg/l
	Železo celkové	Fe	AES-ICP	0.007	mg/l
	Amónne ióny	NH ₄ ⁺	spektrofotometria	0.01	mg/l
	Dusičnany	NO ₃ ⁻	iónová chromatografia	1	mg/l
	Dusitany	NO ₂ ⁻	spektrofotometria	0.01	mg/l
	Chloridy	CL ⁻	iónová chromatografia	1	mg/l
	Sírany	SO ₄ (²⁻)	iónová chromatografia	2	mg/l
	Fosforečnany	PO ₄ (³⁻)	spektrofotometria	0.01	mg/l
	Kremičitany	SiO ₂	spektrofotometria	0.5	mg/l
	Uhlíčitany	CO ₃ (²⁻)	volumetria	0.3	mg/l
	Hydrogénuhlíčitany	HCO ₃ ⁻	volumetria	0.3	mg/l
	CHSK-Mn	ChSK-Mn	volumetria	0.5	mg/l
	Agresívny CO ₂	CO ₂ agresiv.	volumetria	1.1	mg/l
	RL105	RL	gravimetria	10	mg/l
	H ₂ S	H ₂ S	spektrofotometria	0.01	mg/l
	KNK 4,5	KNK 4.5	odmerná analýza	-	mmol/l
	ZNK 8,3	ZNK 8.3	odmerná analýza	-	mmol/l
	Zákal	Zákal	spektrofotometria	2.5	ZF
Rozpustený kyslík	O ₂	elektrometria	-	mg/l	
Percento nasýtenia kyslíkom	%O ₂	elektrometria	-	%	
Vodivosť pri 25°C	vodiv_25	elektrometria	-	ms/m	
pH	pH	elektrometria	-	-	
Stopové prvky (SP)	Arzén	As	AAS-generácia hydrid.	1	µg/l
	Hliník	Al	AES-ICP	0.03	mg/l
	Chróom	Cr celk.	AES-ICP	2	µg/l
	Kadmium	Cd	AAS-ETA	0.1	µg/l
	Meď	Cu	AES-ICP	2	µg/l
	Nikel	Ni	AES-ICP	2	µg/l
	Olovo	Pb	AES-ICP	4	µg/l
	Ortuť	Hg	AAS-AMA	0.1	µg/l
	Zinok	Zn	AES-ICP	3	µg/l
	Antimón	Sb	AAS-generácia hydrid.	1	µg/l
	Selén	Se	AAS-generácia hydrid.	1	µg/l
Prchavé alifatické uhľovodíky (PrAIU)	1,1,1 trichlóretán	Trichlóretán	GC-FID	0.2	µg/l
	1,1,2-trichlóretán	Trichlóretán	GC-FID	0.2	µg/l
	1,1-dichlóretén	DCE 1,1	GC-FID	0.2	µg/l
	1,2 cis-dichlóretén	Cis DCE 1,2	GC-FID	0.2	µg/l
	1,2 trans-dichlóretén	TransDCE 1,2	GC-FID	0.2	µg/l
	1,2-dichlóretán	Dichlóretán	GC-FID	0.2	µg/l
	chlórdibrómmetán (CHBrCl ₂)	CHBrCl ₂	GC-FID	0.2	µg/l
	bromoform (CHBr ₃)	CHBr ₃	GC-FID	0.2	µg/l
	dibrómchlórmetán (CHBr ₂ Cl)	CHBr ₂ Cl	GC-FID	0.2	µg/l
	dichlómetán	DCM	GC-FID	0.2	µg/l
	hexachlórbutadién	HCBD	GC-FID	0.2	µg/l
	tetrachlóretén	PCE	GC-FID	0.2	µg/l
	tetrachlómetán	CCL ₄	GC-FID	0.2	µg/l
	trichlóretén	TCE	GC-FID	0.2	µg/l
	trichlómetán (chloroform)	Chloroform (TCM)	GC-FID	0.2	µg/l
	Polyaromatické uhľovodíky (PAU)	acenaftén	Acenaftén	GC-MS	0.03
antracén		Antracén	GC-MS	0.003	µg/l
b(a,h)antracén		db_ant_ah	GC-MS	0.003	µg/l

Polyaromatické uhľovodíky (PAU)	benzo(a)pyrén	BZP	GC-MS	0.005	µg/l
	benzo(b)fluorantén	b(b)bluórant	GC-MS	0.015	µg/l
	benzo(g,h,i)perylén	B(ghi)PERYL	GC-MS	0.03	µg/l
	benzo(k)fluorantén	B(k)fluórant	GC-MS	0.015	µg/l
	dibenzoantracén	DB(ah)antrac	GC-MS	0.03	µg/l
	fenantrén	Fenantrén	GC-MS	0.003	µg/l
	fluorantén	Fluórantén	GC-MS	0.003	µg/l
	fluorén	Fluorén	GC-MS	0.015	µg/l
	chryzén	Chryzén	GC-MS	0.003	µg/l
	indeno(1,2,3-c,d)pyrén	IN(1,2,3)PYR	GC-MS	0.03	µg/l
	naftalén	Naftalén	GC-MS	0.03	µg/l
	pyrén	Pyrén	GC-MS	0.006	µg/l
Prchavé aromatické uhľovodíky (PrAU)	1,2,4-trichlórbenzén	1,2,4-TCB	GC-FID	0.2	µg/l
	1,2 DCB	DCB 1,2	GC-FID	0.2	µg/l
	1,3 DCB	DCB 1,3	GC-FID	0.2	µg/l
	1,3,5-trichlórbenzén	1,3,5-TCB	GC-FID	0.2	µg/l
	1,4 DCB	DCB 1,4	GC-FID	0.2	µg/l
	benzén	BZ	GC-FID	0.2	µg/l
	Dichlórbenzény	DCB	GC-FID	0.2	µg/l
	etylbenzén	Etylbenzén	GC-FID	0.2	µg/l
	Chlórbenzén	CB	GC-FID	0.02	µg/l
	styrén	Styrén	GC-FID	0.2	µg/l
	toluén	TOL	GC-FID	0.2	µg/l
	xylény (izoméry o-xylén, m-xylén, p-xylén)	Suma Xylén	GC-FID	0.2	µg/l
Pesticídy	Acetochlór	ACETOCL	GC-ECD	0.02	µg/l
	alachlór	Alachlór	GC-ECD	0.02	µg/l
	atrazín	ATZ	GC-MS	0.02	µg/l
	carboxin	Carboxin	GC-MS	0.02	µg/l
	desetylatrazin	Desetylatr	GC-MS	0.02	µg/l
	desizopropylatrazin	DPA	GC-MS	0.02	µg/l
	desmedipham	Desmedipham	GC-MS	0.02	µg/l
	Endosulfán (alfa)	Endosulfán	GC-ECD	0.025	µg/l
	ethofumesate	Etofumesat	GC-MS	0.02	µg/l
	chloridazon	Chloridazon	GC-MS	0.02	µg/l
	chlorpropham	Chlorpropha	GC-MS	0.02	µg/l
	chlortoluron	Chlortoluron	GC-MS	0.02	µg/l
	izoproturon	Isopoturon	GC-MS	0.02	µg/l
	metamitron	Metamitron	GC-MS	0.02	µg/l
	pendimethalin	Pendimethali	GC-MS	0.02	µg/l
	phenmedipham	Phendempip	GC-MS	0.02	µg/l
	Prometryn	Prometryn	GC-MS	0.02	µg/l
	simazín	Simazin	GC-MS	0.02	µg/l
	terbutryn	Terbutryn	GC-MS	0.02	µg/l
	terbutylazin	Terbutylazin	GC-MS	0.02	µg/l
	dimetachlór	Dimetachlor	GC-MS	0.02	µg/l
	dimethénamid-p	Dimethenamid-p	GC-MS	0.02	µg/l
	fenpropimorph	Fenpropimorph	GC-MS	0.02	µg/l
	propiconazole	Propiconazole	GC-MS	0.02	µg/l
	propisochlor	Propisochlor	GC-MS	0.02	µg/l
	S-metolachlor	S-metolachlór	GC-MS	0.02	µg/l
	diuorn	Diurón	GC-MS	0.02	µg/l
linuron	Linuron	GC-MS	0.02	µg/l	
prochloraz	Prochloraz	GC-MS	0.02	µg/l	
Polychlórované bifenyly (PCB)	PCB 8	PCB c. 8	GC-ECD	0.003	µg/l
	PCB 28	PCB c. 28	GC-ECD	0.003	µg/l
	PCB 52	PCB c. 52	GC-ECD	0.003	µg/l
	PCB 101	PCB c. 101	GC-ECD	0.003	µg/l
	PCB 118	PCB c. 118	GC-ECD	0.003	µg/l
	PCB 138	PCB c. 138	GC-ECD	0.003	µg/l

Polychlórované bifenyly (PCB)	PCB 153	PCB c. 153	GC-ECD	0.003	µg/l
	PCB 180	PCB c. 180	GC-ECD	0.003	µg/l
	PCB 203	PCB c. 203	GC-ECD	0.003	µg/l
Kyanidy	Kyanidy celkové	CN- celkové	destilácia+spektrofotometria	0.005	mg/l
Kyslé pesticidy	2,4D kyselina	2,4-D	GC-MS	0.02	µg/l
	2-metyl-4-chlórfenoxyoctová kyselina (MCPA)	MCPA	GC-MS	0.02	µg/l
	bentazon	Bentazón	GC-MS	0.02	µg/l
	clopyralid	Clopyralid	GC-MS	0.02	µg/l
	dicamba	Dicamba	GC-MS	0.02	µg/l
	MCPB	MCPB	GC-MS	0.02	µg/l
	MCPP	MCPP	GC-MS	0.02	µg/l
Alkylfenoly	Dichlórfenoly	Dchf	GC-FID	0.2	µg/l
	Pentachlórfenol	Pchf	GS-FID	0.2	µg/l
	2,4,5-trichlórfenol	2,4,5-TCF	GC-FID	0.2	µg/l
	2,4,6-trichlórfenol	2,4,6-TCF	GC-FID	0.2	µg/l
	2,4-dichlórfenol	2,4-DCF	GC-FID	0.2	µg/l
	2-monochlórfenol	Chlorfenol	GC-FID	1	µg/l
	4-(para)-nonylfenol	1-a-1-m.2F	GC-FID	1	µg/l
	4-(terc)-oktylfenol	4-terc-oktyf	GC-FID	1	µg/l
	bisfenol A	2,4-DCF	GC-FID	1	µg/l
	nonylfenoly	Nonylfenoly	GC-FID	1	µg/l
oktylfenoly	Oktylfenoly	GC-FID	1	µg/l	
Organochlórové pesticidy (OCP)	aldrin	Aldrin	GC-ECD	0.025	µg/l
	DDT (izoméry DDD, DDT, DDE)	p.p. DDT	GC-ECD	0.025	µg/l
	dieldrin	Dieldrin	GC-ECD	0.025	µg/l
	endrin	Endrin	GC-ECD	0.025	µg/l
	heptachlór	Heptachlór	GC-ECD	0.025	µg/l
	hexachlórbenzén	HCB	GC-ECD	0.025	µg/l
	chlórpyrifos	Chlórpyrifos	GC-MS	0.02	µg/l
	chlórpyrifos-metyl	Chlpyrifos_m	GC-MS	0.02	µg/l
	isodrin	Isodrin	GC-ECD	0.025	µg/l
	lindan (g-hexachlórcyklohexán)	HCH	GC-ECD	0.025	µg/l
	metoxychlór	Metoxychlór	GC-ECD	0.025	µg/l
	trifluralín	Trifluralin	GC-MS	0.02	µg/l
	pentachlórbenzén	TCBZ	GC-ECD	0.025	µg/l
	metazachlór	metazachlór	GC-ECD	0.025	µg/l
Špecifické organické látky (ŠOL I)	3,3,-dichlórbenzidín	3,3dibenzidí	GC-MS	0.5	µg/l
	anilín	Anilín	GC-MS	0.5	µg/l
	benzidín	Benzidín	GC-MS	0.5	µg/l
	difenylamín	Difenylamín	GC-MS	0.5	µg/l
	N,N-dimetylanilín	N,Ndimetylan	GC-MS	0.5	µg/l
	N-nitrózodifenylamín	Nitrozo_dfen	GC-MS	0.5	µg/l
ŠOL II	benztiazol	Benzťiazol	GC-MS	0.02	µg/l
Ftaláty	4-metyl-2,6-di-terc butylfenol	4-m-2,6-tBTF	GC-FID	1	µg/l
	Bis(2-etylhexyl)-ftalát (DEHP)	DEHP	GC-FID	5	µg/l
	dibutylftalát	DBHP	GC-FID	2	µg/l
Aldehydy	2-furaldehyd	Furaldehyd	GC-FID	1.0	µg/l
	acetaldehyd	Acetaldehyd	GC-FID	1.0	µg/l
	acetón	Acetón	GC-FID	1.0	µg/l
	benzaldehyd	Benzaldehyd	GC-FID	1.0	µg/l
	formaldehyd	Formald.celk	spektrofotometria	5.0	µg/l
Všeobecné organické látky (VOL)	NEL ui	NEL-index	GC-FID	0.02	mg/l
	Celkový organický uhlík	TOC	vysokoteplotná oxidácia	0.5	mg/l