

Ďalšie sledované látky alebo skupiny látok podľa smernice 2013/39/EÚ (Watch list)					
P.č.	Ukazovateľ	Symbol	CAS	Princíp metódy	Určenie metódy
1	estron		53-16-7	SPE-clean-up on florisil-LC-MS/MS alebo GC-MS/MS	
2	trichlorfon		52-68-6	GC-ECD, GC-MS	
3	cyklododekan		294-62-2	v sedimente alebo biote GC-MS	
4	aminotriazol		61-82-5	derivatizácia- on line SPE-LC-MS/MS	
5	erytromycin		114-07-8	SPE-LC-MS/MS	
6	clarytromycin		81103-11-9	SPE-LC-MS/MS	
7	methiocarb		2032-65-7	SPE-LC-MS	
8	ethylhexylmethoxycinnamat	EHMC	5466-77-3	SPE-GC-MS	Straub, J.O. 2002. Concentrations of the UV filter ethylhexyl methoxycinnamate in the aquatic compartment: a comparison of modelled concentrations for Swiss surface waters with empirical monitoring data. Toxicol. Lett. 131, 29–37.
9	dimeténamid-P		87674-68-8	SPE-LC-MS/MS alebo GC-MS	Yokley, R.A., Mayer, L.C., Huang, S.-B., Vargo, J.D. 2002. Analytical method for the determination of metolachlor, acetochlor, alachlor, dimethenamid, and their corresponding ethanesulfonic and oxanilic acid degradates in water using SPE and LC/ESI-MS/MS. Anal. Chem. 74, 3754-3759., Hladik, M.L., Bouwer, E.J., Roberts, A.L. 2008. Neutral chloroacetamide herbicide degradates and related compounds in Midwestern United States drinking water sources. Science of the Total Environment 390, 155-165.
10	diflufenican		83164-33-4	SPE-LC-MS/MS alebo QuEChERS-LC-MS/MS	Lazartigues, A., Fratta, C., Baudot, R., Wiest, L., Feidt, C., Thomas, M., Cren-Olivé, C. 2011a. Multiresidue method for the determination of 13 pesticides in three environmental matrices: water, sediments and fish muscle. Talanta 85, 1500-1507., Lazartigues, A., Wiest, L., Baudot, R., Thomas, M., Feidt, C., Cren-Olivé, C. 2011b. Multiresidue method to quantify pesticides in fish muscle by QuEChERS-based extraction and LC-MS/MS. Anal. Bioanal. Chem. 400, 2185–2193.
11	oxadiazon		19666-30-9	LLE-GC-MS	Sudo, M., Kunimatsu, T., Okubo, T. 2002. Concentration and loading of pesticide residues in Lake Biwa basin (Japan). Water Research 36, 315–329.
12	triallat		2303-17-5	SPE-GC-ECD alebo MS, priamy nástrek(100µl)-LC-MS/MS	Wang, W., Kreuzig, R., Bahadır, M. 1998. Determination of triallate and its metabolite 2,3,3-trichloro-prop-2-en sulfonic acid in soil and water samples. Fresenius J. Anal. Chem. 360, 564-567., Reemtsma, T., Alder, L., Banasiak, U. 2013. A multimethod for the determination of 150 pesticide metabolites in surface water and groundwater using direct injection liquid chromatography–mass spectrometry. Journal of Chromatography A 1271, 95–104.
12	thiacloprid		111988-49-9	SPE-LC-MS/MS	Hladik, M.L., Kolpin, D.W., Kuivila, K.M. 2014. Widespread occurrence of neonicotinoid insecticides in streams in a high corn and soybean producing region, USA. Environmental Pollution 193, 189-196.

12	imidacloprid	105827-78-9/138261-		SPE-LC-MS/MS	Main, A.R., Headley, J.V., Peru, K.M., Michel, N.L., Cessna, A.J., Morrissey, C.A. 2014. Widespread use and frequent detection of neonicotinoid insecticides in wetlands of Canada's Prairie Pothole region. PLOS ONE 9, e92821.
12	clothianidin		210880-92-5	SPE-LC-MS/MS	Main, A.R., Headley, J.V., Peru, K.M., Michel, N.L., Cessna, A.J., Morrissey, C.A. 2014. Widespread use and frequent detection of neonicotinoid insecticides in wetlands of Canada's Prairie Pothole region. PLOS ONE 9, e92821.
12	thiametoxam		153719-23-4	SPE-LC-MS/MS	Dankyi, E., Gordon, C., Carboo, D., Fomsgaard, I.S. 2014. Quantification of neonicotinoid insecticide residues in soils from cocoa plantations using a QuEChERS extraction procedure and LC-MS/MS. Science of the Total Environment 499, 276–283.
12	aceamiprid		135410-20-7	SPE-LC-MS/MS	Hladik, M.L., Calhoun, D.L. 2012. Analysis of the herbicide diuron, three diuron degradates, and six neonicotinoid insecticides in water - Method details and application to two Georgia Streams. U.S. Geological Survey Scientific Investigations Report 2012 - 5206, 10 pp
12	Methyl-2,6-di-tert-buthylphenol	BHT	128-37-0	SPE alebo LLE-GC-MS	Bach, C., Dauchy, X., Chagnon, M.-C., Etienne, S. 2012. Chemical compounds and toxicological assessments of drinking water stored in polyethylene terephthalate (PET) bottles: A source of controversy reviewed. Water Research 46, 571-583.
12	dichlofluanid		1085-98-9	SPE alebo LLE-GC-MS alebo LC-MS/MS	Lee, S., Chung, J., Won, H., Lee, D., Lee, Y.-W. 2011. Analysis of antifouling agents after regulation of tributyltin compounds in Korea. Journal of Hazardous Materials 185, 1318–1325., Sánchez Rodríguez, Á., Sosa Ferrera, Z., Santana Rodríguez, J., 2011a. An evaluation of antifouling booster biocides in Gran Canaria coastal waters using SPE–LC MS/MS. International Journal of Environmental Analytical Chemistry 91, 1166-1177. Sánchez-Rodríguez, A., Sosa-Ferrera, Z., Santana-del Pino, A., Santana-Rodríguez, J.J. 2011b. Probabilistic riskassessment of common booster biocides in surface waters of the harbours of Gran Canaria (Spain). Marine Pollution Bulletin 62, 985–991.
12	formaldehyd		50-00-0	derivatizácia s 2,4 dinitrofenylhydrazínom-SPE-HPLC-UV- on line SPE-LC-MS/MS	US EPA, 1992; 1996
12	trifenylofosfát		115-86-6	LLE-GC-MS alebo LC-MS/MS	Andresen, J.A., Grundmann, A., Bester, K. 2004. Organophosphorus flame retardants and plasticisers in surface waters. Science of the Total Environment 332, 155-166, Martínez-Carballo, E., González-Barreiro, C., Sitka, A., Scharf, S., Gans, O. 2007. Determination of selectedorganophosphate esters in the aquatic environment of Austria. Science of the Total Environment 388, 290-299.
12	tolylfluánid		731-27-1	priamy nástrek(100µl) - LC-MS/MS	Reemtsma, T., Alder, L., Banasiak, U. 2013. A multimethod for the determination of 150 pesticide metabolites in surface water and groundwater using direct injection liquid chromatography–mass spectrometry. Journal of Chromatography A 1271, 95–104
12	Ciprofloxacín		85721-33-1	SPE-LC-MS/MS	Gros, M., Petrovic, M., Barceló, D. 2009. Tracing pharmaceutical residues of different therapeutic classes in environmental waters by using liquid chromatography/quadrupole-linear ion trap mass spectrometry and automated library searching. Anal. Chem. 81, 898–912.

12	Azithromycin		83905-01-5	SPE-LC-MS/MS	Gros, M., Petrovic, M., Barceló, D. 2006. Development of a multi-residue analytical methodology based on liquid chromatography–tandem mass spectrometry (LC–MS/MS) for screening and trace level determination of pharmaceuticals in surface and wastewaters. Talanta 70, 678–690.
13	17-alfa-etinylestradiol		57-63-6	LC-MS/MS	US EPA 1698, US EPA 539
14	17-beta-estradiol		50-28-2	LC-MS/MS	US EPA 1698, US EPA 539
15	diklofenak		15307-86-5	LC-MS/MS	US EPA 1694, Gros, M., Petrovic, M., Barceló, D. 2006. Development of a multi-residue analytical methodology based on liquid chromatography–tandem mass spectrometry (LC–MS/MS) for screening and trace level determination of pharmaceuticals in surface and wastewaters. Talanta 70, 678–690.