

Materials List for:

Characterization and Application of Passive Samplers for Monitoring of Pesticides in Water

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Materials

Name	Company	Catalog Number	Comments
Methanol	Merck Millipore	1.06035.2500	
Acetonitrile	Merck Millipore	1.00029.2500	
Acetone	Merck Millipore	1.00012.2500	
2-propanol	Merck Millipore	1.00272.2500	
Dichloromethane	Merck Millipore	1.06054.2500	
Ammoniak	Merck Millipore	1.05428.1000	Purity 25%
Formic acid	Sigma-Aldrich	94318-50ML-F	Purity ~98%
Ethyl acetate	Sigma-Aldrich	31063-2.5L	for pesticide residue analysis
Petroleum ether	Sigma-Aldrich	34491-4X2.5L	for pesticide residue analysis
Acetic acid	Sigma-Aldrich	320099-500ML	Purity ≥99.7%
Cyclohexane	Fisher Chemicals	C/8933/17	for residue analysis
Empty polypropylene SPE Tube with PE frits, 20 µm porosity, volume 6 ml	Supelco	57026	
Empore SPE Disks, C ₁₈ , diam. 47 mm	Supelco	66883-U	Passive sampler
Empore SPE Disks, SDB-RPS (Reversed-Phase Sulfonate), diam. 47 mm	Supelco	66886-U	Passive sampler
POCIS-A	EST	POCIS-HLB	Passive sampler
POCIS-B	EST	POCIS-Pesticide	Passive sampler
Polyethersulfone (PES) membranes	EST	PES	
Silicone rubber sheet	Altec	03-65-4516	Passive sampler
Agilent 5975C	Agilent Technologies	5975C	GC-MS
HP-5MS UI	J&W Scientific	HP-5MS	Analytical column for GC-MS
Agilent 6460	Agilent Technologies	6460	HPLC-MS/MS
Strata C18-E, 20 x 2 mm id and 20–25 µm particle size	Phenomenex	Strata C18-E	Online SPE column for LC-MS/MS
Strata X, 20 x 2 mm id and 20–25 µm particle size	Phenomenex	Strata X	Online SPE column for LC-MS/MS
Zorbax Eclipse Plus C18	Agilent Technologies	Zorbax Eclipse Plus C18	Analytical column for LC-MS/MS
Isolute phase separator, 25 ml	Biotage	120-1907-E	
Stainless steel blind rivet, 3.2x10 mm	Ejot & Avdel	951222	