USDA/ARS Methods Catalog

MethodID	INSJ WO8
Method Name	Metolachlor in water by SPME and GC-MS
Media	Water
Method Type	Laboratory
Method Subcategory	
Method Source	EPA method 525.2 (USEPA, 1
Source Citation	Rocha, C., Pappas, E.A., Huang, C. 2008. Determination of trace triazines and chloroacetamides in tile-fed ditch water using solid-phase microextraction coupled with GC-MS. Environmental Pollution. 152:239-244.
Method Summary	Water samples are prepared using a solid phase microextraction and then injected into a gas chromatograph mass spectrophotom
Instrument	Gas Chromatography with Mass Spectrometry Detection
Detection Limit Type	
DLNote	0.25ug/L, 3:1 signal to noise
Scope - Application	
Concentration Range	>DL
Concentration Units	ug/L
Intereferences	
Precision Notes	
QA Requirements	Max holding time
Sampling Handling	Within 3 days of sampling and refrigeration, samples filtered by vacuum flask through a nylon membrane (0.45 µm) into glass vials, and frozen immediately until analysis (max frozen time = 3 months).
Max Holding Time	max frozen time = 3 months)
Sample Prep Methods	
Link To Full Method	
Method Contact	ARS/Elizabeth Pappas/ betsy.pappas@ars.usda.gov

Analytes using this Method:

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Analyte: **Metachlor** MethodID: INSJ_WQ8

Detection level: 0.25 ug/L

	Instrument	Matrix
Accuracy	0	0
Precision	2.27	0

False Positive Value: False Positive Value:

Accuracy/Precision Concetration Used: 5 ug/L