

# USDA/ARS Methods Catalog

<b>MethodID</b>	INSJ WO8		
<b>Method Name</b>	Metolachlor in water by SPME and GC-MS		
<b>Media</b>	Water		
<b>Method Type</b>	Laboratory	<b>Method Subcategory</b>	
<b>Method Source</b>	EPA method 525.2 (USEPA, 1		
<b>Source Citation</b>	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.		
<b>Method Summary</b>	Water samples are prepared using a solid phase microextraction and then injected into a gas chromatograph mass spectrophotom		
<b>Instrument</b>	Gas Chromatography with Mass Spectrometry Detection		
<b>Detection Limit Type</b>			
<b>DLNote</b>	0.25ug/L, 3:1 signal to noise		
<b>Scope - Application</b>			
<b>Concentration Range</b>	>DL	<b>Concentration Units</b>	ug/L
<b>Intereferences</b>			
<b>Precision Notes</b>			
<b>QA Requirements</b>	Max holding time		
<b>Sampling Handling</b>	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).		
<b>Max Holding Time</b>	max frozen time = 3 months)		
<b>Sample Prep Methods</b>			
<b>Link To Full Method</b>			
<b>Method Contact</b>	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 Concentration Used: 5 ug/L

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