## Atrazine and Metabolites in Drinking Water



## HPLC Method

Column:	Symm	etryShield⁺	<sup>™</sup> RP <sub>18</sub> , 3.9 x 150 mm, 5 µm
Part number:	1860	00108	
Mobile Phase A:	20 m/	M Phospho	ate buffer, pH 6.8
Mobile Phase B:	Aceto	nitrile	
Gradient:	Time	Profile	e
	(min)	%A	%В
	0	95	5
	2	95	5
	20	25	75
Flow Rate:	0.8 m	nL/min	
Injection volume:	80 µL		
Detection:	PDA (	215 nm)	

## Oasis® MCX SPE Method

Conditions for Oasis® MCX Cartridge, 6 cc, 150 mg Part Number 186000256



Compounds		(% Recovery - % RSD, n=5)		
	-	0.2 µg/L	1.0 μg/L	
1.	Hydroxydesisopropylatrazine	94 (3)	85 (3)	
2.	Desethyldesisopropylatrazine	75 (8)	76 (5)	
3.	Hydroxydesethylatrazine	89 (6)	76 (7)	
4.	Desisopropylatrazine	79 (4)	83 (2)	
5.	Hydroxyatrazine	107 (7)	101 (2)	
6.	Desethylatrazine	79 (5)	83 (3)	
7.	Atrazine	89 (5)	77 (3)	



Drinking water samples (100 mL) were spiked with the herbicides and adjusted to pH 1.5. The