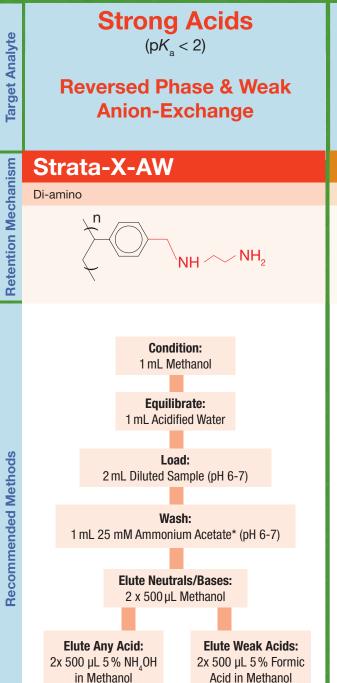
# Customized SPE Solutions for Environmental Testing





Your samples aren't created the same, so don't settle for general solid phase extraction solutions. Finding the right SPE sorbent provides high recoveries, clean injections, and gains in sensitivity.

#### **Polymeric SPE Options**



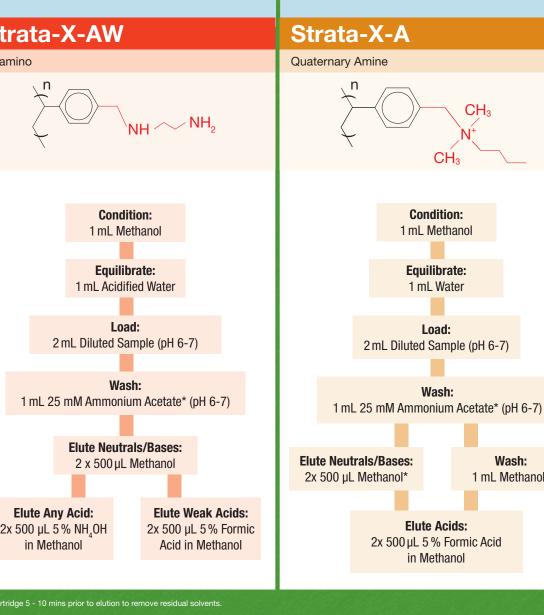
**Weak Acids**  $(pK_a 2-4)$ **Reversed Phase & Strong Anion-Exchange** 

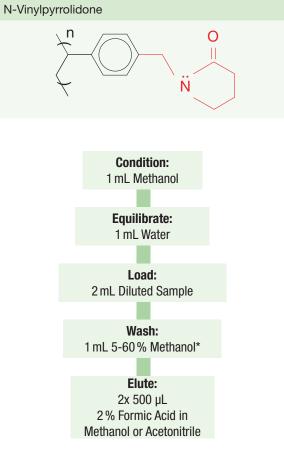
**Neutral** Compounds **Reversed Phase** 

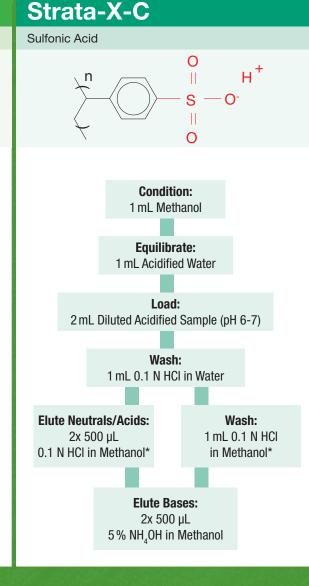
Strata-X

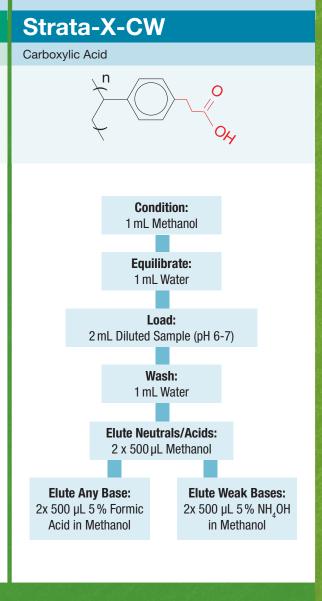
**Weak Bases** (pK<sub>a</sub> 8–10) **Reversed Phase & Strong Cation-Exchange** 

**Strong Bases**  $(pK_a > 10)$ **Reversed Phase & Weak Cation-Exchange** 









### Matrix Options (Not limited to pictures below)

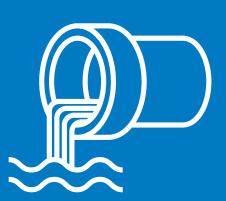




Wash:

1 mL Methanol\*

**Waste Water** 



**Wash and Elution Solvent Volumes** 

Sludge



#### **Recommended Loading Capacity**

Strata-X Phase	Soil Extracts	Water (particulate-free)	Water (particulate-laden)	Mass (mg in tube)
	N.A.	N.A.	N.A.	10 mg
	N.R.	N.R.	N.R.	30 mg
Ctuata V V O V OW V A V AW	N.R.	N.R.	N.R.	60 mg
Strata-X, X-C, X-CW, X-A, X-AW	20 g	50 mL	25 mL	100 mg
	40 g	100 mL	50 mL	200 mg
	100 g	500 mL	100 mL	500 mg
	200 g	1 mL	200 mL	1 g
Strata-XL, XL-C, XL-CW, XL-A, XL-AW	N.A.	N.A.	N.A.	10 mg
	N.R.	N.R.	N.R.	30 mg
	N.R.	N.R.	N.R.	60 mg
	10 g	25 mL	13 mL	100 mg
	20 g	50 mL	25 mL	200 mg
	50 g	250 mL	50 mL	500 mg
	100 g	500 mL	100 mL	1 g

	(iiig iii tube)
	10 mg
	30 mg
	60 mg
	100 mg
Prac	200 mg
Eluti	500 mg
	1 g
	10 mg
	30 mg
_	60 mg
Rece Volu	100 mg
1014	200 mg
	500 mg
	1 g
1986	

Strata Sorbent Mass	100 mg	150mg	200 mg	500 mg	1g	<b>2</b> g	5g	10g
Practical Minimum Wash and Elution Volume 4 bed volumes	1mL	1.5 mL	2 mL	5 mL	10 mL	20 mL	50 mL	100 mL
Recommended Wash and Elution Volume 8 bed volumes	2 mL	3 mL	4mL	10 mL	20 mL	40 mL	100 mL	200 mL

# **Available Formats for Strata-X or Strata SPE**

Available	1 01	mats		Hata			
Giga™ Tubes							
	Strata	Strata:	Strata*				

Large format tubes ideal for large volume samples

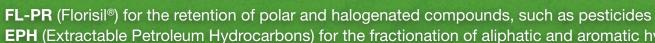
Shared Street		Tubes		
	the parameter of the pa	Strata and passed to the state of the state	ton phanomenes	

**Excellent for most common extractions** and available in a large variety of different volumes

**On-Line Columns and Cartridges** 

Run samples in parallel with LC analysis for further time savings

## **Additional Strata Silica Based Phases for Your Analytes**



**EPH** (Extractable Petroleum Hydrocarbons) for the fractionation of aliphatic and aromatic hydrocarbons **SDB-L** (styrene divinylbenzene) hydrophobic and aromatic selectivity for reversed phase applications

Si-1 (Silica) for strong polar selectivity

C18-E for extraction of hydrophobic or polar organic analytes from aqueous matrices

**AI-N** for the extraction of polar compounds from environmental samples

**NH**, for strong polar selectivity and hydrogen bonding under normal phase conditions PAH (Polycyclic Aromatic Hydrocarbons) for polycyclic aromatic hydrocarbons and humic acids from water (as specified in EPA Method 550.1)





**SPE Method Development Tool** Develop a customized solid phase extraction method in

under 1 minute! **www.phenomenex/MDTool** 



Streamlined Sample **Preparation** with Presston **1000 Positive Pressure Manifold** 



www.phenomenex.com/Presston

