

### Proposed Target Species for PM<sub>10-2.5</sub> Speciation Monitoring

<b>Table 1. List of Proposed Filter Types, Species, and Analysis Methods</b>		
<b>Filter Type and Species</b>		<b>Analysis Method</b>
<b>Teflon</b>	Mass	Gravimetric
	Elements	Vacuum XRF
	Ions (Na, Ca, Cl, K, SO <sub>4</sub> , NH <sub>4</sub> , NO <sub>3</sub> ) *	Water extraction with Ion Chromatography (IC)
	Total Protein (Surrogate for total biological)	Protein assay (NanoOrange®) of IC extract above with Fluorometry and/or SEM
<b>Quartz</b>	Organic and Elemental Carbon	Thermal Optical Analysis (IMPROVE_A TOT/TOR)
	Carbonate Carbon	Acidification followed by TOA
* Any volatile species present will be compromised by vacuum XRF		