

**TCEQ Chemical Sources  
Current Best Available Control Technology (BACT) Requirements**

**Adsorption Systems**

<b>Year</b>	<b>Source Type</b>	<b>Pollutant</b>	<b>Minimum Acceptable Control</b>	<b>Control Efficiency or Details</b>
2011	Adsorption Systems	VOC	Disposable system: Minimum of two carbon canisters in series; continuous emissions monitor (CEM) and recorder before the last canister, but periodic monitoring before the last canister may be acceptable for single compound or low use rate systems	Breakthrough concentration 20-100 ppm based on vendor representations for specific compounds
			Regenerative system: Minimum of two carbon canisters in parallel; CEM on the carbon bed outlet vent(s), monitor for vacuum during regeneration	Breakthrough concentration 20-100 ppm based on vendor representations for specific compounds; automatic alarm if breakthrough is approached; automatic shutdown if breakthrough occurs