

**BAY AREA AIR QUALITY MANAGEMENT DISTRICT  
Best Available Control Technology (BACT) Guideline**

**Source Category**

Source:	Soil Vapor Extraction	Revision:	3
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Class:	All	Date:	06/16/95

**Termination**

POLLUTANT	BACT 1. Technologically Feasible/ Cost Effective 2. Achieved in Practice	TYPICAL TECHNOLOGY
POC	1. $\leq 10$ ppmv at outlet of control device; or $\geq 98.5\%$ capture/destruction efficiency <sup>a,T</sup> 2. $\leq 10$ ppmv at outlet of control device; or $\geq 98.5\%$ capture/destruction efficiency if inlet VOC $\geq 2000$ ppmv; or $\geq 97\%$ capture/destruction efficiency if inlet VOC $\geq 200$ to $< 2000$ ppmv; or $\geq 90\%$ capture/destruction efficiency if inlet VOC $< 200$ ppmv <sup>a,T</sup>	1. Two or More Activated Carbon Canister in Series or Thermal Oxidizer <sup>a,T</sup> 2. Two or More Activated Carbon Canisters in Series or Thermal Oxidizer or Catalytic Oxidizer <sup>a,T</sup>
NO <sub>x</sub>	1. n/a 2. n/a	1. n/a 2. n/a
SO <sub>2</sub>	1. n/a 2. n/a	1. n/a 2. n/a
CO	1. n/a 2. n/a	1. n/a 2. n/a
PM <sub>10</sub>	1. n/a 2. n/a	1. n/a 2. n/a
NPOC	1. $\leq 10$ ppmv at outlet of control device <sup>a,T</sup> 2. $\leq 10$ ppmv at outlet of control device; or $\geq 95\%$ capture/recovery efficiency <sup>a,T</sup>	1. Two or More Activated Carbon Canisters in Series <sup>a,T</sup> 2. Two or More Activated Carbon Canisters in Series <sup>a,T</sup>

**References**

a. BAAQMD  
T. TBACT

