

Fisher, Susan

From: Nicoski, Dan
Sent: Friday, March 20, 2015 7:50 AM
To: Fisher, Susan
Subject: Atlantic - VI Action Levels

Good Morning Susan,

Per your request, the following are the action levels for sub-slab soil gas and indoor air concentrations for the indicated CVOCs:

	Residential ($\mu\text{g}/\text{m}^3$)		Commercial/Industrial ($\mu\text{g}/\text{m}^3$)	
	SS	IA	SS	IA
PCE	1400	42	6000	180
TCE	70	2.1	293	8.8

The IA action levels for risk management decisions are based on either the carcinogenic $1\text{E}-05$ risk level or the non-cancer $\text{HQ}=1$ value, whichever is lower. For these CVOCs, the **HQ = 1** is the lower of the two values and is therefore the driver in risk management decisions. Sub-slab action levels are based on an attenuation factor of **0.03**. This attenuation factor is presented in the April 2013 document "OSWER Guidance for Assessing & Mitigating the VI Pathway from Subsurface Sources to Indoor Air" external review draft. This document was recommended for use by EPA Region 7 in the January 21, 2015 Memorandum on VI Guidance to SUPR & RCRA Branch Chiefs from ENST.