

TABLE 5-1  
TIER I REMEDIAL OBJECTIVES  
BTEX AND PAHs

CONSTITUENT	<u>Ingestion</u>			<u>Inhalation</u>			Soil Component to Groundwater	<u>MSA Background</u>	UNITS
	Residential	Commercial	Construction	Residential	Commercial	Construction	(Class I)	Metropolitan Areas	
Benzene	12,000	100,000	2,300,000	800	1,600	2,200	30	--	(ug/kg)
Ethylbenzene	7,800,000	200,000,000	20,000,000	400,000	4,000,000	58,000	13,000	--	(ug/kg)
Toluene	16,000,000	410,000,000	410,000,000	650,000	650,000	42,000	12,000	--	(ug/kg)
Xylene (total)	16,000,000	410,000,000	41,000,000	410,000	320,000	5,600	150,000	--	(ug/kg)
Acenaphthene	4,700,000	120,000,000	120,000,000	----	----	----	570,000	130	(ug/kg)
Acenaphthylene	----	----	----	----	----	----	----	70	(ug/kg)
Anthracene	23,000,000	610,000,000	610,000,000	----	----	----	12,000,000	400	(ug/kg)
Benzo(a)anthracene	900	8,000	170,000	----	----	----	2,000	1800	(ug/kg)
Benzo(a)pyrene	90	800	17,000	----	----	----	8,000	2100	(ug/kg)
Benzo(b)fluoranthene	900	8,000	170,000	----	----	----	5,000	2100	(ug/kg)
Benzo(ghi)perylene	----	----	----	----	----	----	----	1700	(ug/kg)
Benzo(k)fluoranthene	9,000	78,000	1,700,000	----	----	----	49,000	1700	(ug/kg)
Chrysene	88,000	780,000	17,000,000	----	----	----	160,000	2700	(ug/kg)
Dibenzo(a,h)anthracene	90	800	17,000	----	----	----	2,000	420	(ug/kg)
Fluoranthene	3,100,000	82,000,000	82,000,000	----	----	----	4,300,000	4100	(ug/kg)
Fluorene	3,100,000	82,000,000	82,000,000	----	----	----	560,000	180	(ug/kg)
Indeno(1,2,3-cd)pyrene	900	8,000	170,000	----	----	----	14,000	1600	(ug/kg)
Naphthalene	1,600,000	41,000,000	4,100,000	170,000	270,000	1,800	12,000	200	(ug/kg)
Phenanthrene	----	----	----	----	----	----	----	2500	(ug/kg)
Pyrene	2,300,000	61,000,000	61,000,000	----	----	----	4,200,000	3000	(ug/kg)

Notes: ug/kg Micrograms per kilogram  
 (1) Provisional remediation objective provided by IEPA  
 ---- No remediation objective has been established by the IEPA  
 for this constituent for this exposure route