

ANALYTES	S-3 & GW-3	MCP IH Value	MCP Method 3 Upper Concentration	MA Background - Natural	MA Background w/ Ash/Fill	Maximum Concentrati on of	Average Concentrati on of	Median Concentrati on of
METALS	mg/Kg		mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Arsenic	20	40	200	20	20	266	77	64
Cadmium	30	60	300	2	3	58	26	23
Chromium*	200	200	2,000	30	40	1,265	169	123
Lead	300		3,000	100	600	5,830	1,073	906
PCBs	mg/Kg		mg/Kg	mg/Kg	mg/Kg			mg/Kg
Aroclor-1242	3	10	100			0	ND	ND
Aroclor-1248	3	10	100			30	5.85	4.05
Aroclor-1254	3	10	100			26	5.12	4.1
Aroclor-1260	3	10	100			57	5.68	3.4
Aroclor-1262	3	10	100			0	ND	ND
Aroclor-1268	3	10	100			0	ND	ND
Total PCBs	3	10	100			75	11.02	7.7
PAHs	ug/Kg		ug/Kg	ug/Kg	ug/Kg			ug/Kg
Acenaphthene	5,000,000		10,000,000	500	2,000	47,000	2,387	980
Acenaphthylene	10,000		10,000,000	500	1,000	2,800	699	510
Anthracene	5,000,000		10,000,000	1,000	4,000	80,000	4,114	2,200
Benzo(a)anthracene	300,000		3,000,000	2,000	9,000	120,000	10,172	6,400
Benzo(a)pyrene	30,000		300,000	2,000	7,000	90,000	10,084	6,500
Benzo(b)fluoranthene	300,000		3,000,000	2,000	8,000	89,000	9,702	6,700
Benzo(g,h,i)perylene	5,000,000		10,000,000	1,000	3,000	52,000	8,450	6,100
Benzo(k)fluoranthene	3,000,000		10,000,000	1,000	4,000	77,000	8,524	5,500
Chrysene	3,000,000		10,000,000	2,000	7,000	110,000	9,987	6,450
Dibenzo(a,h)anthracene	30,000		300,000	500	1,000	15,000	2,453	1,800
Fluoranthene	5,000,000		10,000,000	4,000	10,000	260,000	21,090	12,000
Fluorene	5,000,000		10,000,000	1,000	2,000	44,000	2,356	1,050
Indeno(1,2,3-cd)pyrene	300,000		3,000,000	1,000	3,000	48,000	7,346	5,300
Naphthalene	3,000,000		10,000,000	500	1,000	25,000	2,005	790
Phenanthrene	3,000,000		10,000,000	3,000	20,000	260,000	12,127	6,300
Pyrene	5,000,000		10,000,000	4,000	20,000	210,000	17,147	10,000

NOTES:

Samples analyzed by EPA Region 1 New England Regional Laboratory.

PAH results are reported in micrograms per Kilogram (µg/Kg).

Metals and PCB results are reported in milligrams per Kilogram (mg/Kg).

ND = Value is Non-Detected.

* = Value for total chromium listed.

Bolded and light gray shaded values exceed MCP S-3 Soil & GW-3 Criteria.

Bolded and dark gray shaded values exceed both MCP Upper Concentration Limit Criteria

MCP = Massachusetts Contingency Plan.

MA Background Levels of PAHs & Metals in Soil, MassDEP Technical Update