

Illinois Cleanup Standards for Hydrocarbon Contaminated Groundwater

Product	Parameter/ Constituent	Lab Test Protocol & Number	Detection Level	Notification Level	Action Level	Cleanup Level
Gasoline	Benzene	*	**	any amount	0.005mg/L	site specific
	Ethylbenzene	*	**	any amount	0.7mg/L	site specific
	Toluene	*	**	any amount	1.0mg/L	site specific
	Xylenes (total)	*	**	any amount	10.0mg/L	site specific
Other petroleum	Naphthalene	*	**	any amount	0.14mg/L	site specific
	Acenaphthene	*	**	any amount	0.42mg/L	site specific
	Anthracene	*	**	any amount	2.1mg/L	site specific
	Fluoranthene	*	**	any amount	0.28mg/L	site specific
	Fluorene	*	**	any amount	0.28mg/L	site specific
	Pyrene	*	**	any amount	0.21mg/L	site specific
	Acenaphthylene	*	0.010mg/L	any amount	***	site specific
	Benzo(g,h,i)perylene	*	0.00076mg/L	any amount	***	site specific
	Phenanthrene	*	0.0064mg/L	any amount	***	site specific
	Benzo(a)anthracene	*	**	any amount	0.00013mg/L	site specific
	Benzo(a)pyrene	*	**	any amount	0.0002mg/L	site specific
	Benzo(b)fluoranthene	*	**	any amount	0.00018mg/L	site specific
	Benzo(k)fluoranthene	*	**	any amount	0.00017mg/L	site specific

	Chrysene	*	**	any amount	0.0015mg/L	site specific
	Dibenzo(a,H)anthracene	*	**	any amount	0.0003mg/L	site specific
	Indeno(1,2,3-cd)pyrene	*	**	any amount	0.00043mg/L	site specific

*Any approved USEPA SW-846 method

** Detection level is test specific unless ADL is given.

*** Any amount above ADL

Note: The Agency has adopted Risk-Based Corrective Action (RBCA) Regulations to determine cleanup objectives if action levels are exceeded.

35 Illinois Administrative Code Part 742, Tiered Approach to Corrective Action Objectives (TACO) gives the owner/operator the option to decide if the Tier 1 levels are the action levels or they may choose to calculate a Tier 2 or 3 cleanup objective and remediate to these levels if required.

Contact: Thomas Henninger, Illinois Environmental Protection Agency, 217-785-7402

Web Site: <http://www.ipcb.state.il.us/title35/g742.htm>

Illinois Cleanup Standards for Hydrocarbon Contaminated Soil

Product	Parameter/ Constituent	Lab Test Protocol & Number	Detection Level	Notification Level	Action Level	Cleanup Level
Gasoline	Benzene	*	**	any amount	0.03mg/kg	site specific
	Ethylbenzene	*	**	any amount	13.0mg/kg	site specific
	Toluene	*	**	any amount	12.0mg/kg	site specific
	Xylenes (total)	*	**	any amount	5.6mg/kg	site specific
Other petroleum	Naphthalene	*	**	any amount	1.8mg/kg	site specific
	Acenaphthene	*	**	any amount	570mg/kg	site specific
	Anthracene	*	**	any amount	12,000mg/kg	site specific
	Fluoranthene	*	**	any amount	3100mg/kg	site specific
	Fluorene	*	**	any amount	560mg/kg	site specific
	Pyrene	*	**	any amount	2300mg/kg	site specific
	Acenaphthylene	*	**	any amount	570 mg/kg	site specific
	Benzo(g,h,i)perylene	*	0.051mg/kg	any amount	***	site specific
	Phenanthrene	*	0.660mg/kg	any amount	***	site specific
	Benzo(a)anthracene	*	**	any amount	0.9mg/kg	site specific
	Benzo(a)pyrene	*	**	any amount	0.09mg/kg	site specific

	Benzo(b)fluoranthene	*	**	any amount	0.9mg/kg	site specific
	Benzo(k)fluoranthene	*	**	any amount	9.0mg/kg	site specific
	Chrysene	*	**	any amount	88mg/kg	site specific
	Dibenzo(a,h)anthracene	*	**	any amount	0.09mg/kg	site specific
	Ideno(1,2,3-cd)pyrene	*	**	any amount	0.9mg/kg	site specific

*Any approved USEPA SW-846 method(5035 for Volatiles)

** Detection level is test specific unless ADL is given.

*** Any amount above ADL

Note: The Illinois EPA has adopted Risk-Based Corrective Action (RBCA) Regulations to determine cleanup objectives if action levels are exceeded. Illinois' Tiered approach to corrective action objectives (TACO) (35 Illinois Adm. Code, Part 742) gives the owner/operator the option to decide if the Tier 1 levels are the action levels or they may choose to calculate a Tier 2 or 3 cleanup objective and remediate to these levels if required.

Contact: Thomas Henninger, Illinois Environmental Protection Agency, 217-785-7402

Web Site: <http://www.ipcb.state.il.us/title35/g742.htm>