

Kentucky Screening Levels for Hydrocarbon Contaminated Groundwater

Product	Parameter/ Constituent	Lab Test Protocol & Number	Reporting Level	Notification Level	Action Level	Screening Level
Gasoline*	Benzene	EPA 8240, 8260, 8020 or 8021	0.005 mg/l	0.005 mg/l	0.005 mg/l	0.005 to 0.4 mg/l
	Toluene	EPA 8240, 8260, 8020 or 8021	0.94 mg/l	0.94 mg/l	0.94 mg/l	0.94 to 101 mg/l
	Ethylbenzene	EPA 8240, 8260, 8020 or 8021	0.47 mg/l	0.47 mg/l	0.47 mg/l	0.47 to 148 mg/l
	Xylene	EPA 8240, 8260, 8020 or 8021	5.89 mg/l	5.89 mg/l	5.89 mg/l	5.89 to 719 mg/l
Diesel	cPAH	EPA 8100, 8270 or 8310	0.005 mg/l	0.005 mg/l	0.005 mg/l	0.005 mg/l
	nPAH	EPA 8100, 8270 or 8310	3 mg/l	3 mg/l	3 mg/l	3 mg/l
	Naphthalene	EPA 8100, 8270 or 8310	0.3 mg/l	0.3 mg/l	0.3 mg/l	0.3 mg/l
Waste Oil*	cPAH	EPA 8100, 8270 or 8310	0.005 mg/l	0.005 mg/l	0.005 mg/l	0.005 mg/l
	nPAH	EPA 8100, 8270 or 8310	3 mg/l	3 mg/l	3 mg/l	3 mg/l
	Naphthalene	EPA 8100, 8270 or 8310	0.3 mg/l	0.3 mg/l	0.3 mg/l	0.3 mg/l

	Total Lead	EPA 7420, 7421 or 6010	0.015 mg/l	0.015 mg/l or established background	0.015 mg/l or established background	0.015 to 0.05 mg/l or established background
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*These values vary depending on facility classification; see 401 KAR 42:080.

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Kentucky Screening Levels for Hydrocarbon Contaminated Soil

Product	Parameter/ Constituent	Lab Test Protocol & Number	Reporting Level	Notification Level	Action Level	Screening Level
Gasoline*	Benzene	EPA 8240, 8260, 8020 or 8021	0.01 mg/kg	0.01 mg/kg	0.01 mg/kg	0.01 to 20 mg/kg
	Toluene	EPA 8240, 8260, 8020 or 8021	0.5 mg/kg	0.5 mg/kg	0.5 mg/kg	0.5 to 180 mg/kg
	Ethylbenzene	EPA 8240, 8260, 8020 or 8021	0.4 mg/kg	0.4 mg/kg	0.4 mg/kg	0.4 to 300 mg/kg
	Xylene	EPA 8240, 8260, 8020 or 8021	3 mg/kg	3 mg/kg	3 mg/kg	3 to 500 mg/kg
Diesel*	Chrysene	EPA 8100, 8270 or 8310	15 mg/kg	15 mg/kg	15 mg/kg	15 mg/kg
	Benzo(a)anthracene	EPA 8100, 8270 or 8310	0.15 mg/kg	0.15 mg/kg	0.15 mg/kg	0.15 mg/kg
	cPAH	EPA 8100, 8270 or 8310	0.3 mg/kg	0.3 mg/kg	0.3 mg/kg	0.3 mg/kg
	nPAH	EPA 8100, 8270 or 8310	3 mg/kg	3 mg/kg	3 mg/kg	3 to 10 mg/kg
	Naphthalene	EPA 8100, 8270 or 8310	1 mg/kg	1 mg/kg	1 mg/kg	1 to 5 mg/kg
Waste Oil*	Chrysene	EPA 8100, 8270 or 8310	15 mg/kg	15 mg/kg	15 mg/kg	15 mg/kg

	Benzo(a)anthracene	EPA 8100, 8270 or 8310	0.15 mg/kg	0.15 mg/kg	0.15 mg/kg	0.15 mg/kg
	cPAH	EPA 8100, 8270 or 8310	0.3 mg/kg	0.3 mg/kg	0.3 mg/kg	0.3 mg/kg
	nPAH	EPA 8100, 8270 or 8310	3 mg/kg	3 mg/kg	3 mg/kg	3 to 10 mg/kg
	Naphthalene	EPA 8100, 8270 or 8310	1 mg/kg	1 mg/kg	1 mg/kg	1 to 5 mg/kg
	Total Lead	EPA 7420, 7421 or 6010	400 mg/kg	400 mg/kg or established background	400 mg/kg or established background	400 mg/kg or established background

*These values vary depending on facility classification; see 401 KAR 42:080.

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