

New York Cleanup Standards for Hydrocarbon Contaminated Groundwater

Product	Parameter/ Constituent	Lab Test Protocol & Number	Detection Level	Notification Level	Action Level****	Cleanup Level
Gasoline	Benzene	EPA 8021 or 8260	1µg/L	any amount if related to a release of petroleum	1.0µg/L	*
	Ethylbenzene	EPA 8021 or 8260	1µg/L	any amount if related to a release of petroleum	5µg/L	*
	Toluene	EPA 8021 or 8260	1µg/L	any amount if related to a release of petroleum	5µg/L	*
	Xylene	EPA 8021 or 8260	2µg/L	any amount if related to a release of petroleum	5µg/L	*
	MTBE	EPA 8021 or 8260	1µg/L	any amount if related to a release of petroleum	10µg/L	*
	other compounds listed in CP-51*****	EPA 8021 or 8260	compound specific	any amount if related to a release of petroleum	compound specific	*
Diesel	Naphthalene	EPA 8021 or 8260	1µg/L or 6µg/L	any amount if related to a release of petroleum	10µg/L	*
	Anthracene	EPA 8270	8µg/L	any amount if related to a release of petroleum	50µg/L	*
	Fluorene	EPA 8270	8µg/L	any amount if related to a release of petroleum	50µg/L	*
	Pyrene	EPA 8270	8µg/L	any amount if related to a release of petroleum	50µg/L	*
	other compounds listed in CP-51*****	EPA 8260 or 8270	compound specific	any amount if related to a release of petroleum	compound specific	*
Waste Oil	PCBs	EPA 8082	compound specific		0.09**	

Halogenated Organics	EPA 8021 or 8260	compound specific		5***	
see Diesel parameters (above)					
Inorganics		compound specific	N/A	compound specific	

* Action Level or, when not achievable, site specific.

**Applies to the sum of these substances

***Generally halogenated organics are governed by the Principle Organic Contaminant (POC) standard of 5 ug/L except as noted in guidance. (NOTE: 1,1,2-TCA standard is 1 ug/L)

****T.O.G.S. 1.1.1 (<http://www.dec.ny.gov/regulations/2652.html>)

*****Commissioner Policy 51 (CP-51) http://www.dec.ny.gov/docs/remediation_hudson_pdf/cpsoil.pdf

Contact: William Ottaway, New York Department of Environmental Conservation, 518-402-9543

New York Cleanup Standards for Hydrocarbon Contaminated Soil

Product	Parameter/ Constituent	Lab Test Protocol & Number	Detection Level	Notification Level	Cleanup Level*
Gasoline	Benzene	EPA 8021 or 8260	2µg/kg	any amount if related to a release of petroleum	60µg/kg
	Ethylbenzene	EPA 8021 or 8260	2µg/kg	any amount if related to a release of petroleum	1,000µg/kg
	Toluene	EPA 8021 or 8260	2µg/kg	any amount if related to a release of petroleum	700µg/kg
	Xylene (mixed)	EPA 8021 or 8260	2µg/kg	any amount if related to a release of petroleum	260µg/kg
	MTBE	EPA 8021 or 8260	1µg/kg	any amount if related to a release of petroleum	930µg/kg
	Other Compounds Listed in CP-51*	EPA 8021 or 8260	compound specific	any amount if related to a release of petroleum	compound specific
Diesel	Naphthalene	EPA 8021	1µg/kg	any amount if related to a release of petroleum	12,000µg/kg
	Anthracene	EPA 8270	330µg/kg	any amount if related to a release of petroleum	100,000µg/kg
	Fluorene	EPA 8270	330µg/kg	any amount if related to a release of petroleum	30,000µg/kg
	Pyrene	EPA 8270	330µg/kg	any amount if related to a release of petroleum	100,000µg/kg
	Other Compounds Listed in CP-51*	EPA 8260 or 8270	compound specific	any amount if related to a release of petroleum	site specific

Waste Oil	PCBs	EPA 8082	compound specific	N/A	100 µg/kg
	Halogenated Organics	EPA 8021	compound specific	N/A	compound specific
	see Diesel parameters (above)				
	Inorganics		compound specific	N/A	compound specific

*Commissioner Policy 51 (CP-51) http://www.dec.ny.gov/docs/remediation_hudson_pdf/cpsoil.pdf

and 6NYCRR Part 375-6.8(a) <http://www.dec.ny.gov/regs/15507.html>

Contact: William Ottaway, New York Department of Environmental Conservation, 518-402-9543