

Georgia Cleanup Standards for Hydrocarbon Contaminated Groundwater

Product	Parameter/ Constituent	Lab Test Protocol & Number	Detection Level	Cleanup Level
Gasoline	Benzene	EPA 8021 B/8260 B	1.0µg/L/5.0	5μg/L (MCL)
	Toluene	EPA 8021 B/8260 B	1.0µg/L/5.0	1000μg/L (MCL)
	Ethylbenzene	EPA 8021 B/8260 B	1.0µg/L/5.0	700μg/L (MCL)
	Xylenes	EPA 8021 B/8260 B	1.0µg/L/5.0	10,000µg/L (MCL)
Diesel/Waste Oil	PAH constituents	EPA 8100, 8270 C, 8310	10μg/L	MCL levels

Note: Cleanup levels listed are MCLs. Georgia In-Stream Water Quality Standards apply when there is no point of groundwater withdrawal within the radii of concern. Risk-based, site-specific levels (ACLs) may be calculated and used as groundwater cleanup levels in certain circumstances.

Notification levels are any detectable amount.

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Georgia Cleanup Standards for Hydrocarbon Contaminated Soil

Product	Parameters	Lab Test Protocol & Number	Detection Level
Gasoline(1),	BTEX and	EPA Method 8021 B/8260 B	1.0µg/kg/5µg/kg
Aviation Gas	PAHs and	EPA 8270 C/8310/8100(3)	660µg/kg
	TPH(2)	EPA 8015 B (GRO)	10mg/kg
Hydraulic Oil(4), #5 and #6 Fuel Oil,	BTEX and	EPA 8021 B/8260 B	1.0µg/kg/5µg/kg
Motor Oil, Diesel	PAHs and	EPA 8270 C/8310/8100(3)	660µg/kg
	TPH(2)	EPA 8015 B-DRO	10mg/kg
Mineral spirits,	BTEX and	EPA 8021 B/8260 B	1.0µg/kg/5µg/kg
Jet Fuel B, or Jet Fuel A, unknown petroleum contents, used oil, Kerosene	PAHs and	EPA 8270 C/8310/8100(3)	660µg/kg
contents, used oil, iterosene	TPH(2)	EPA 8015 B(GRO and DRO)	10mg/kg

Cleanup Constituent	Cleanup Level			
Volatile Organic Compounds				
Benzene	0.005mg/kg			
Toluene	0.400mg/kg			
Ethylbenzene	0.370mg/kg			
Xylenes (total)	20.00mg/kg			
Polynuclear Aromatic Hydrocarbons				
Acenaphthene	N/A(6)			

Anthracene	N/A(6)	
Benzo(a)anthracene	0.660mg/kg(4)	
Benzo(a)pyrene	0.660mg/kg(4)	
Benzo(b)fluoranthene	0.660mg/kg(4)	
Benzo(g,h,i)perylene	N/A(6)	
Benzo(k)fluoranthene	0.660mg/kg(4)	
Chrysene	0.660mg/kg(4)	
Dibenz(a,h)anthracene	0.660mg/kg(4)	
Fluoranthene	N/A(6)	
Fluorene	N/A(6)	
Indeno(1,2,3-c,d)pyrene	0.660mg/kg(4)	
Naphthalene	N/A(6)	
Phenanthrene	N/A(6)	
Pyrene	N/A(6)	

Note: Soil cleanup levels shown here are the most stringent threshold values for average or higher groundwater pollution susceptibility area and public or non-public water supplies or surface water bodies are located less than or equal to 500 feet away. For information on cleanup levels in lower susceptibility areas and/or different distances from water sources or withdrawal points, call the department. Soil Alternate Threshold Levels (ATLs) can be calculated based on site-specific data but using applicable water standard (either MCLs or Georgia In-Stream Water Quality Standard). Soil Alternate Concentration Limits (ACLs) can be calculated based on site-specific data and ACLs calculated for groundwater cleanup.

Notification levels are any detectable amount.

- (1) BTEX analysis is always required, but PAHs are not required if the owner/operator, or agent thereof, can certify that only gasoline has been stored on site.
- (2) Be aware that if PAHs are detected using Method 8100, you must use Method 8270 or 8310 to determine the concentrations of the individual PAHs.
- (3) In some cases, hydraulic oil is exempt from UST regulations. Refer to GUST Rules for details (391-3-15-.02(2)(1)).
- (4) Estimated Quantitation Limit. The health-based threshold level is less than the laboratory method limit of detection.
- (5) In order to protect surface waters, stricter soil threshold levels may apply (call for information).

(6) Not applicable. The health-based threshold level exceeds the expected soil concentration under free product condition.

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