

Kansas Cleanup Standards for Hydrocarbon Contaminated Groundwater

Product	Parameter/ Constituent	Lab Test Protocol & Number	Detection Level*	Notification Level **	Action Level	Cleanup Level
Gasoline	Benzene	EPA 8020, 8021, 8240, or 8260			5µg/L	5µg/L
	Ethylbenzene	EPA 8020, 8021, 8240, or 8260			700µg/L	700µg/L
	Toluene	EPA 8020, 8021, 8240, or 8260			1,000µg/L	1,000µg/L
	Xylene	EPA 8020, 8021, 8240, or 8260			10,000µg/L	10,000µg/L
	1,2-Dichloroethane (DCA)	EPA 8020, 8021, 8240, or 8260			5µg/L	5µg/L
	MtBE	EPA 8020, 8240, or 8260			133µg/L***	133µg/L
	EDB	EPA 504, 504.1, 8011			0.05µg/L	0.05µg/L
	TPH (GRO)	OA-1			500µg/L	500µg/L
	Naphthalene****	EPA 8020, 8021, 8100, 8250, 8270 SIM, 8310, 8260			1.11µg/L***	1.11µg/L
Diesel	TPH (DRO)	OA-2			500µg/L***	500µg/L

* Detection levels must be low enough to detect contaminant action level.

** Any below ground release from an underground storage tank system regardless of quantity is to be reported.

*** Risk Based Corrective Action residential scenarios. Non-Residential scenario levels are 262 ug/l for MtBE, 2.11ug/l for Naphthalene and 720 ug/l for TPH (DRO)

**** Method 8270 SIM must be used initially. If contamination levels are significant and a lower detection limit is not necessary then the other methods may be used.

Note: Generally 8260 is used for BTEX, 1,2 DCA and MtBE. Method 8011 for EDB and Method 8270 SIM for Naphthalene.

Note: Naphthalene reportable for both gasoline and diesel releases. DRO reported as a total and separately as, Mineral Spirits, Kerosene, Diesel, Fuel Oil, Hydraulic Fluid and Motor Oil Ranges.

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Kansas Cleanup Standards for Hydrocarbon Contaminated Soil

Product	Parameter/ Constituent	Lab Test Protocol & Number	Detection* Level	Action** Level	CleanupLevel**
Gasoline	Benzene	EPA 8020, 8021, 8240, or 8260		0.168mg/kg	0.168mg/kg
	Ethylbenzene	EPA 8020, 8021, 8240, or 8260		65.6mg/kg	65.6mg/kg
	Toluene	EPA 8020, 8021, 8240, or 8260		51.2mg/kg	51.2mg/kg
	Xylene	EPA 8020, 8021, 8240, or 8260		809mg/kg	809mg/kg
	1,2-Dichloroethane (DCA)	EPA 8020, 8021, 8240, or 8260		0.06mg/kg	0.06mg/kg
	Napthalene	EPA 8020, 8021,8100, 8250, 8270, 8310, 8260		.349mg/kg***	.349mg/kg
	MTBE	EPA 8020, 8240, 8260		0.848mg/kg***	0.848mg/kg
	EDB	EPA 8260		0.000598mg/kg	0.000598mg/kg
	TPH (GRO)	OA-1		79.3mg/kg	79.3mg/kg
Diesel	TPH (DRO)	OA-2		5440mg/kg***	5440mg/kg
Waste Oil	TPH (DRO)	OA-2			

* Detection levels must be low enough to detect contaminant action level.

** Most conservative Risked Based Corrective Action screening level (Soil to Groundwater Pathway).

*** Risk Based Corrective Action residential scenarios. Non-Residential scenario levels are 0.659 mg/kg for Napthalene, 1.66mg/kg for MtBE, and 7,830 mg/kg for TPH (DRO)

Note: Napthalene reportable for both gasoline and diesel releases. DRO reported as a total and separately as, Mineral Spirits, Kerosene, Diesel, Fuel Oil, Hydraulic Fluid and Motor Oil Ranges.

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