



OXNARD FIRE/CUPA
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GENERAL LABORATORY TESTING REQUIREMENTS AND DETECTION LIMITS FOR PETROLEUM

GASOLINE			
Contaminant	EPA Analytical Method	Required Method Detection Limit (MDL)	
		Soil (ug/kg)	Water (ug/L)
TPHg (total petroleum hydrocarbons as gasoline) (C ₄ -C ₁₂)	8015(M)(8260B)	100-200	50-100
BTEX (benzene, toluene, ethylbenzene & xylenes)	8260B (8021B)	1	0.5
MTBE (methyl tertiary butyl ether)	8260B	2	1
DIPE (di-isopropyl ether)	8260B	2	1
ETBE (ethyl tertiary butyl ether)	8260B	2	1
TAME (tertiary amyl methyl ether)	8260B	2	1
TBA (tertiary butyl alcohol)	8260B	20	10
Methanol	8015(M)	1000	500
Ethanol¹	8015(M)(8260B)	500	250
Total Lead or 6010	7420 or 7421	1000	5

DIESEL			
Contaminant	EPA Analytical Method	Required Method Detection Limit (MDL)	
		Soil (ug/kg)	Water (ug/L)
TPHd as diesel (C ₁₃ -C ₂₂)	8015(M)	2500-5000	500-1000
BTEX	8260B (8021B)	1	0.5

WASTE OIL			
Contaminant	EPA Analytical Method	Required Method Detection Limit (MDL)	
		Soil (ug/kg)	Water (ug/L)
TPH (petroleum fingerprint)	8015(M)	10,000	1000
Volatile Organics- Full List	8260 (B)		
Total Lead or 6010	7420 or 7421	1000	5

NOTE:

1. Integrate all fuel oxygenate additive concentrations into total petroleum hydrocarbons (TPH) and report it as TPH.
2. EPA Method 8021B may be used to substitute EPA Method 8260B only at the sites where no fuel oxygenates have not been previously detected in soil and/or groundwater using EPA Method 8260B.
3. All soil samples must be collected in accordance with EPA Method 5035 (except for non-volatile compounds) and a State Certified Laboratory must perform all analyses.