

COUNTY OF RIVERSIDE
DEPARTMENT OF ENVIRONMENTAL HEALTH
HAZARDOUS MATERIALS MANAGEMENT BRANCH

LABORATORY ANALYSES FOR SAMPLES COLLECTED AT UST SITES

MATERIALS STORED IN UST	LABORATORY ANALYSES			DETECTION LIMITS	
	Contaminant	Soil	Groundwater	Soil	Groundwater
GASOLINE	TPH (C ₅ -C ₁₂)	8015 (GRO)	8015 (GRO)	5.0 ppm	50 ppb
	BTXE and Oxygenates	8260B	8260B	5 ppb BTXE, MTBE 10 ppb ETBE, DIPE, TAME 50 ppb TBA	0.5 ppb BTXE 1 ppb MTBE 5 ppb ETBE, DIPE, TAME 10 ppb TBA
	Ethanol	8015	8015	1 ppm	1 ppm
	Total Lead ¹	SW-846 Methods	SW-846 Methods	5 ppm	5.0 ppb
DIESEL	TPH (C ₁₀ -C ₂₄)	8015 (DRO)	8015 (DRO)	10.0 ppm	0.5 ppm
	BTXE and Oxygenates	8260B	8260B	5 ppb BTXE, MTBE 10 ppb ETBE, DIPE, TAME 50 ppb TBA	0.5 ppb BTXE 1 ppb MTBE 5 ppb ETBE, DIPE, TAME 10 ppb TBA
WASTE OIL	TPH (C ₂₄ -C ₄₀)	8015 Fuel Screen	8015 Fuel Screen	5.0 ppm	1.0 ppm
	Volatile Organics ¹	8260B ² (full scan)	8260B ² (full scan)	5 ppb BTXE, MTBE 10 ppb ETBE, DIPE, TAME 50 ppb TBA	0.5 ppb BTXE 1 ppb MTBE 5 ppb ETBE, DIPE, TAME 10 ppb TBA
	Title 22 Metals: Cd, Cr, Pb, Zn, Ni ¹	SW-846 Methods	SW-846 Methods	Specific to Analysis	Specific to Analysis
	Product Specific	Contact Laboratory & HMMD		Specific to Analysis	

¹The sample with the highest TPH concentration shall be analyzed for these contaminants.

²Analyze soil or groundwater sample for all constituents of the 8260B (full scan) plus all oxygenates and alcohols. Report and identify all peaks on the chromatographs.

GRO = Gasoline range organics.

DRO = Diesel range organics.

Riverside County does not require Encore Sampling.

OTHER			
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¹The sample with the highest TPH concentration shall be analyzed for these contaminants.

²Analyze soil or groundwater sample for all constituents of the 8260B (full scan) plus all oxygenates and alcohols. Report and identify all peaks on the chromatographs.

GRO = Gasoline range organics.

DRO = Diesel range organics.

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