

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
<b>GASOLINE</b>	TPH (C <sub>5</sub> -C <sub>12</sub> )	8015 (GRO)	8015 (GRO)	5.0 ppm	50 ppb
	BTXE, Oxygenates, & Ethanol	8260B	8260B	5 ppb BTXE, MTBE 10 ppb ETBE, DIPE 10 ppb TAME 50 ppb TBA 1 ppm Ethanol	0.5 ppb BTXE 1 ppb MTBE 5 ppb ETBE, DIPE 5 ppb TAME 10 ppb TBA 1 ppm Ethanol
	Total Lead <sup>1,2</sup>	SW-846 Methods	SW-846 Methods	5 ppm	5.0 ppb
<b>DIESEL</b>	TPH (C <sub>10</sub> -C <sub>24</sub> )	8015 (DRO)	8015 (DRO)	10.0 ppm	0.5 ppm
	BTXE and Oxygenates	8260B	8260B	5 ppb BTXE, MTBE 10 ppb ETBE & DIPE 10 ppb TAME 50 ppb TBA	0.5 ppb BTXE 1 ppb MTBE 5 ppb ETBE & DIPE 5 ppb TAME 10 ppb TBA
<b>WASTE OIL</b>	TPH (C <sub>24</sub> -C <sub>40</sub> )	8015 Fuel Screen	8015 Fuel Screen	5.0 ppm	1.0 ppm
	Volatile Organics <sup>1</sup>	8260B <sup>3</sup> (full scan)	8260B <sup>3</sup> (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 <sup>1</sup>	SW-846 Methods	SW-846 Methods	Specific to Analysis	Specific to Analysis

<sup>1</sup>The sample with the highest TPH concentration shall be analyzed for these contaminants.

<sup>2</sup>Lead shall be analyzed at all UST sites dispensing fuel prior to 1992 and at non-fuel USTs.

<sup>3</sup>Analyze 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.