

**RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)
PRESERVATION GUIDE AND SAMPLE STORAGE FOR ORELAP ACCREDITED
RESOURCE CONSERVATION AND RECOVERY ACT METHODS
AND RELATED SAMPLES**

PARAMETERS	ANALYTICAL METHOD	HOLDING TIME	PRESERVATIVE	Min. Volume (ml)	CONTAINER TYPE
INORGANIC ANALYSES					
BROMIDE	EPA 9056	28 Days	None Required	100	Plastic or Glass
CHLORIDE	EPA 9056	28 Days	None Required	100	Plastic or Glass
CHROMIUM VI	EPA 7196 A	24 Hours	Cool to 4°C	500	Plastic or Glass
CYANIDE, TOTAL	EPA 9010 B EPA 9012	14 Days	pH>12 (2 ml NaOH), 2.5 ml Na ₂ S ₂ O ₃ , 4°C	1000	Plastic
FLUORIDE	EPA 9056	28 Days	None Required	100	Plastic
HYDROGEN ION (pH)	EPA 9040 B EPA 9045 C	Analyze Immediately	None Required	100	Plastic or Glass
FLASH POINT – CLOSED CUP	EPA 1010	28 Days	Cool 4°C	250	Plastic or Glass
MERCURY	EPA 7470 A EPA 7471 A	28 Days	pH<2 (2 ml 1+1 HNO ₃) Solid Only-Cool 4°C	500	Plastic or Glass
METALS (Except Mercury and Chromium VI))	EPA 7000 Series EPA 6010 B	6 Months	pH<2 (2 ml 1+1 HNO ₃)	500	Plastic or Glass
NITRATE	EPA 9056	48 Hours 7 Days for Soil	Cool 4°C	100	Plastic or Glass
NITRITE	EPA 9056	48 Hours 7 Days for Soil	Cool 4°C	100	Plastic or Glass
PHENOLICS	EPA 9065	28 Days	pH<2 (1 ml 1+1 H ₂ SO ₄), 4°C	1000	Glass
SPECIFIC CONDUCTANCE	EPA 9050 A	28 Days	Cool 4°C	500	Plastic or Glass
SULFATE	EPA 9056	28 Days	Cool 4°C	50	Plastic or Glass
TOTAL ORGANIC CARBON (TOC)	EPA 9060	28 Days	pH<2 (3 drops 5% Solution of H ₃ PO ₄), 4°C	100	Plastic or Glass
ORGANIC ANALYSES					
ORGANOCHLORINE PESTICIDES	EPA 8081 A	7 Days Ext. 14 for soil	Cool 4°C	1000	2 x 1 Liter Amber Glass 4 oz Glass Jar

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PCB'S	EPA 8082	7 Days Ext. 14 for soil	Cool 4°C	1000	2 x 1 Liter Amber Glass 4 oz Glass Jar
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	EPA 8270 SIM	7 Days Ext. 14 for soil	Cool 4°C, Dark	1000	2 x 1 Liter Amber Glass 4 oz Glass Jar
SEMI-VOLATILE ORGANICS	EPA 8270 C	7 Days Ext. 14 for soil	Cool 4°C	1000	2 x 1 Liter Amber Glass 4 oz Glass Jar
VOLATILE ORGANICS (VOC/VOA)	EPA 8260 B	14 Days	Aqueous-Cool 4°C, pH <2 (1+1) HCl Soil- Cool 4°C, 5 g aliquot in 5 mL Methanol	80	Aqueous- 2 x 40 ml Glass vial Soil-2 x 40 ml Glass Vials with Methanol
DIESEL AND LUBE OIL	NWTPHDX	7 Days Ext. 14 for soil	Cool 4°C	1000	2 x 1 Liter Amber Glass 4 oz Glass Jar
GASOLINE	NWTPHGX	14 Days	Aqueous-Cool 4°C, pH <2 (1+1) HCl Soil- Cool 4°C, 5 g aliquot in 5 mL Methanol	80	Aqueous- 2 x 40 ml Glass vial Soil-2 x 40 ml Glass Vials with Methanol
HYDROCARBON IDENTIFICATION	NWTPHCID	7 Days Ext. 14 for soil	Cool 4°C	1000	2 x 1 Liter Amber Glass 4 oz Glass Jar