$Table\ 9.6$  Required Containers, Preservation Techniques, and Holding Times for CERCLA-CLP Aqueous and Non-Aqueous

Parameter	Sample Container	Preservation	Maximum Holding Time
Volatile Organics (Aqueous	Glass, white polypropylene or	Cool, 4°C, dark	10 Days
Sample)	black phenolic plastic screw cap,	0.08% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> if	
Waladia Ossania (Mass	Teflon®-lined septum	residual Cl <sub>2</sub>	10.1
Volatile Organics (Non- Aqueous Sample)	Glass, polypropylene cap, white Teflon®-liner	Cool, 4°C, dark	10 days
Base Neutral/Acid Extractable	Amber Glass, white polypropylene	Cool, 4°C, dark	Extraction-Aqueous
(Semivolatile) Organics	or black phenolic, baked polyethylene cap		continuous liquid-liquid extraction must be started
	polyemytene cup		within 5 days Non-Aqueous-
			10 days Analysis-40 days
			from validated time of sample
D (' ' L /DCD	A 1 Cl 12 1 1	C 1 40C 1 1	receipt (at the laboratory)
Pesticide/PCBs	Amber Glass, white polypropylene or black phenolic baked	Cool, 4°C, dark	Extraction-Aqueous continuous liquid-liquid
	polyethylene cap		extraction must be started
			within 5 days Non-Aqueous-
			10 days Analysis-40 days
			from validated time of sample receipt (at the laboratory)
High Level Volatile Organic	Glass, black phenolic plastic or	Cool, 4°C, dark	Analysis completed within 40
Waste Samples (Aqueous)	white polyethylene screw cap,	, ,	days of validated time of
	Teflon®-lined septum		sample receipt (at the
High Laval Valatila Organia	Class block phanelic plactic or	Cool, 4°C, dark	laboratory)
High Level Volatile Organic Waste Samples (Non-Aqueous)	Glass, black phenolic plastic or polyethylene cap, white Teflon®-	C001, 4 C, uark	Analysis completed within 40 days of validated time of
waste samples (i von 1140000s)	liner		sample receipt (at the
			laboratory)
High Concentration Extractable	Glass, white polypropylene or	Cool, 4°C, dark	Analysis completed within 40
Organic Waste Samples	black phenolic, baked polyethylene cap		days of validated time of sample receipt (at the
	cup		laboratory)
High Concentration Aroclors	Glass, white polypropylene or	Cool, 4°C, dark	Analysis completed within 40
and Toxaphene Samples	black phenolic, baked polyethylene		days of validated time of
	cap		sample receipt (at the laboratory)
Polychlorinated Dibenzo-p-	Glass, polypropylene cap, white	Cool, 4°C, dark	None
Dioxins (PCDDs) and	Teflon®-liner	, ,	
Dibenzofurans (PCDFs)		VDV0 VV 0	400.1
Low Level Metals Aqueous except Hg	Plastic bottle, plastic cap, plastic liner	$HNO_3$ to $pH < 2$	180 days
Hg (Aqueous)	Plastic bottle, plastic cap, plastic	$HNO_3$ to $pH < 2$	28 days
8 ( 1 · · · · · · · )	liner	3 - I	<b>.</b>
Cyanide, total amenable to	Plastic bottle, plastic cap, plastic	Aqueous—0.6g	14 days
chlorination	liner	ascorbic acid if	
		residual Cl <sub>2</sub> NaOH to pH > 12, cool,	
		4°C, CaCO <sub>3</sub> in	
		presence of sulfide	
Total Nitrogen	Plastic bottle, plastic cap, plastic	$H_2SO_4$ to $pH < 2$	28 days
Fluoride	liner Plastic bottle, plastic cap, plastic	Cool, 4°C until	28 days
Taonac	r iasue boute, piasue cap, piasue	Cooi, + C ullul	20 days

<u>Parameter</u>	Sample Container liner	<u>Preservation</u> analysis	Maximum Holding Time
Metals except Hg (Aqueous)	Plastic bottle, plastic cap, plastic liner	$HNO_3$ to $pH < 2$	180 days
Metals except Hg (Non-Aqueous)	Flint glass bottle, black phenolic cap, polyethylene liner	Cool, 4°C	180 days
Hg (Aqueous)	Plastic bottle, plastic cap, plastic liner	$HNO_3$ to $pH < 2$	28 days
Hg (Non-Aqueous)	Flint glass bottle, black phenolic cap, polyethylene liner	$HNO_3$ to $pH < 2$	28 days
Cyanide (Aqueous)	Plastic bottle, plastic cap, plastic liner	0.6g ascorbic acid if residual Cl <sub>2</sub> NaOH to pH > 12, cool, 4°C until analyzed, CaCO <sub>3</sub> in presence of sulfide	14 days
Cyanide (Non-Aqueous)	Plastic bottle, plastic cap, plastic liner	Cool, 4°C	14 days
High Level Metals except Hg (Aqueous)	Flint glass, white polypropylene or black phenolic, baked polyethylene cap	$H_2SO_4$ to pH < 2	180 days
High Level Metals except Hg (Non-Aqueous)	Flint glass, white polypropylene or black phenolic, baked polyethylene cap	Cool, 4°C	180 days
High Level Hg (Aqueous)	Flint glass, white polypropylene or black phenolic, baked polyethylene cap	$H_2SO_4$ to $pH < 2$	28 days
High Level Hg (Non-Aqueous)	Flint glass, white polypropylene or black phenolic, baked polyethylene cap	Cool, 4°C	28 days
Low Level Volatile Organics	Glass, black phenolic or white polypropylene screw cap, Teflon®-lined septum	Cool, 4°C, dark, 0.008% Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	7 days
Low Level Semivolatile Organics	White polypropylene or black phenolic, baked polyethylene cap	Cool, 4°C, dark	Extraction—continuous extraction must be started within 5 days Analysis—40 days from start of extraction
Low Level Pesticides/PCBs Organics	Amber glass, white polypropylene or black phenolic, baked polyethylene cap	Cool, 4°C, dark	Extraction—continuous extraction must be started within 5 days Analysis—40 days from start of extraction