

ProScience Analytical Services, Inc.

22 Cummings Park

Woburn, MA 01801

(781) 935-3212 Fax (781) 932-4857

Sampling Guidelines

Metals

Matrix	Method	Recommended Sample Size/ Container	Minimum Sample Size	Preservation Requirements	Holding Time
TCLP (metals except Hg)	SW846 1311/3015A/6010B	150-200 grams in Ziploc bag or clean plastic container	100 grams	Room Temperature (Water 4°C)	180 Days
TCLP (Hg)	SW846 1311/3015A/ 7471/7474 mod				28 Days
Soil	SW846 3051/7420	10 grams in jar or Ziploc bag	2 grams	Room Temperature	Indefinite
Paint	SW846 3051/7420	1 gram in Ziploc bag	0.1 grams	Room Temperature	Indefinite
Wipe (must meet ASTM E1792) ³	SW846 3051/7420	12"x 12" wipe area ¹ In plastic tubes or Ziploc bag	n/a	Room Temperature	30 Days
Air ³	NIOSH 7082	0.8µm 37 mm MCE cassette, 1000 L ²	n/a	Room Temperature	Indefinite

Asbestos

Matrix	Method	Sample size/ Container	Preservation Requirements	Holding time
PCM ³	NIOSH 7400	0.8µm 25mm MCE cassette, 400-1800L	Cannot be in same container as bulk samples, room temperature	Indefinite
TEM Air	40 CFR Part 763 (AHERA) NIOSH 7402	0.45µm 25mm MCE cassette, >1200L		
		0.8 or 0.45µm 25mm MCE cassette, 400-1800L		
Solid material	EPA 600/R-93/116 or NYELAP 198.4 (TEM NOB)	1 – 10 g or 1 square inch/ Ziploc bag or sealable clean container	room temperature	Indefinite
Vermiculite	EPA 600/R-93/116	Minimum of a sandwich bag full, maximum quart size plastic bag.	room temperature	Indefinite
TEM Dust (Vacuum)	ASTM D5755-02	0.8 or 0.45µm 25mm MCE cassette, 100cm ²	room temperature	Indefinite

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TEM Dust Wipe	ASTM D6480-05	Particle free, continuous filament wipe/ Ziploc bag or sealable clean container	room temperature	Indefinite
Wastewater	EPA 100.1	1 – 2 liters Glass or Plastic	4° C	48 hrs
Drinking water	EPA 100.2	1 – 2 liters Glass or Plastic	4° C	48 hrs

Microbiology

Matrix	Sample size, storage condition	Holding Time
Air cassettes	75-150L @ 15 L/Min, wall checks should be no more than 15L. Use before expiration date; ship at room temperature.	Indefinite
Tape lifts	Biotape is preferred or can use clear tape (not frosted). Stick to a glass slide, do not fold onto itself or stick onto the inside of a plastic bag. Ship at room temperature	Indefinite
Swabs	Use dry transport swab. Ship at room temperature and protect from freezing.	Indefinite
Bulk Material	1 square inch of contaminated material. Place sample in Ziploc bag or clean container. Ship at room temperature.	Indefinite

1. 12"x12" is required for floors. Sills, wells and other locations will have different wiped areas.
2. 1000 L is preferred but not required, volume can be between 200-1500L.
3. Blanks required. Should be from the same lot as the samples submitted.

n/a Not Applicable

MCE Mixed Cellulose Ester