

4CSBC Urine and Water Field Sampling Guidance:

TEST	Volume (ml)	Container	Preservative Added To Bottle	Shipment °C	Storage °C	4CSBC Analysis Hold Time	Minimum Sample Volume (ml)	Sample Volume Req. for Analysis (ml)	Sample Stability
Urine Metals	4	a	No	Frozen (Dry ice)	≤-20°C	At ≤-20°C until analysis or 1 year	1.8	0.5	1 year @ ≤-20°C
Urine Mercury	4.5	a	Yes	Frozen (Dry ice)	≤-20°C	At ≤-20°C until analysis or 1 year	1.8	0.5	1 year @ ≤-20°C
Urine Creatinine	4	a	No	2°C to 6°C Cooler	≤-20°C	At ≤-20°C until use or 3 years	1.0	0.5	1 year + @ ≤-20°C
Urine Phthalate Metabolites	4	a	No	Frozen (Dry ice)	-40°C	At -40°C until analysis or 3 years	1.0	0.5	Several years @ -40°C
Urine 2,4/2,5-DCP	4	a	No**	Frozen (Dry ice)	≤-20°C	At ≤-20°C until analysis or 3 years	4.0	0.1	≤-20°C until analyses
Urine Pyrethroids	4	a	No	Frozen (Dry ice)	≤-20°C	One Year @ ≤-20°C	1.0	0.5	One Year @ ≤-20°C
Water Metals	250-500	b	No***	Ambient (Within 14 Days)	Ambient	6 Month (28 days for mercury)	50	20	1 Year
Water As Speciation	30-50	c	No	2°C to 6°C Cooler	≤-20°C W/ EDTA	3 Month @ ≤-20°C	30	10	1 Year

a. 15 ml metals-free polypropylene tube.

b. 250 ml or 500 ml metals-free polypropylene bottle.

c. 50 ml metals-free polypropylene centrifuge tube.

\*\* Refrigerate urine sample, transfer within 4 hrs of collection. Immediately freeze sub-sample.

\*\*\* Add acid at lab upon receipt of sample or within 14 days of collection. Add acid, mix and let sit for 16 hours, verify pH<2