

SAMPLING CRITERIA FOR ORGANIC AND INORGANIC PARAMETERS [5/30/2008 Revision]

Organics

Test	Method ¹	Sample Size	Type Container	Preservative ²	Hold Time	Notes
GRO (water)	ME 4.2.17	2-40 ml	G, TLS ³	cool, 4 C, HCl pH<2	14 Days	trip blank may be needed
GRO (soil)	ME 4.2.17	2-40 ml or 60 ml	G, TLS ³	MeOH & cool, 4 C -or- freeze samples w/o MeOH	14 Days	see GRO in Soil SOP
DRO (water)	ME 4.1.25	1L	Amber G, TLS ³	cool, 4 C; HCl or sodium bisulfate	7 Days extraction	minimize plumbing grease contamination
DRO (soil)	ME 4.1.25	200g	G, TLS ³	cool, 4 C	14 Days extraction	
SVOC (water)	3510C or 3520C/ 8270D	1L	Amber G, TLS ³	cool, 4 C	7 Days extraction	2 extra bottles needed for MS/MSD; minimize phthalate contamination
SVOC (soil)	3540C or 3541/ 8270D	200g	Amber G, TLS ³	cool, 4 C	14 Days extraction	
PCB in water	3510C or 3520C/ 8082	1L	Amber G, TLS ³	cool, 4 C	7 Days extraction	2 extra bottles needed for MS/MSD
PCB in soil	8082	200g	Amber G, TLS ³	cool, 4 C	14 Days extraction	3550B extraction may be used with caution
Pesticides in water	3510C or 3520C/ 8081A	1L	Amber G, TLS ³	cool, 4 C	7 Days extraction	2 extra 1L bottles needed for MS/MSD
Pesticides in soil	3540C or 3541/ 8081A	200g	Amber G, TLS ³	cool, 4 C	14 Days extraction	3550B extraction may be used with caution
Herbicides in water	8151A	1L	Amber G, TLS ³	cool, 4 C	7 Days extraction	2 extra bottles needed for MS/MSD
Herbicides in soil	8151A	200g	Amber G, TLS ³	cool, 4 C	14 Days extraction	
Volatiles (water)	5030/ 8260B 524.2 [DW]	2-40 ml vials	G, TLS ³	cool 4 C, HCl pH<2	7 Days 14 Days	trip blank; de-chlorinate if needed; 2 extra vials needed for MS/MSD
Volatiles (soil)	5035/ 8260B	3 samples	encore sampler	cool, 4 C	48 hours	2 extra samples needed for MS/MSD
or	5035/ 8260B	3-40 ml vials, 5g in each vial	G, TLS ³	cool, 4 C; sodium bisulfate soln. in 2 vials and methanol in 1 vial	14 days	2 extra vials needed for MS/MSD; acetone may be generated as an artifact
or	8260B	3-40 ml vials	G, TLS ³	freeze	14 days	2 extra 1L vials needed for MS/MSD; EPA Region 1 guidance 5g in each vial

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Metals

Test	Method ¹	Sample Size	Type Container	Preservative	Holding Time	Notes
Dissolved metals	6010C, 6020A or 7010	1 L	cube cont.	HNO ₃ to pH<2	6 Mos.	Filter on site
Total metals in water	6010C, 6020A or 7010 200.7, 200.8, & 200.9 for drinking water	1 L	cube cont.	HNO ₃ to pH<2	6 Mos.	For RCRA 8 1L includes mercury
Total metals in soil	6010C, 6020A or 7010	200g	Whirlpack	none	6 Mos.	
Dissolved Mercury	7470A 245.1 [DW]	1 L	cube cont.	HNO ₃ to pH<2	28 Days	Filter on site
Total Mercury in water	7470A	1 L	cube cont.	Cool 4 C ; HNO ₃ to pH<2	28 Days	
Total Mercury in soil	7471B	200g	Whirlpack	Cool 4 C	28 days	

TCLP

Test	SW 846 Method	Sample Size	Type Container	Preservative	Hold Time
TCLP-VOC	1311/ 8260B	4 oz	G, TLS ³	cool, 4 C	NA
TCLP-Metals	1311/ 6010C or 7010/7470A	4 oz	G	none	NA
TCLP – herbicides	1311/8151A	1 L	G, TLS ³	cool, 4 C	NA

MISC.

Test	Method ¹	Sample Size	Container	Preservative	Hold Time	Notes
Flash point	1010, 1020A	4 oz	G, TLS ³	cool, 4 C	NA	
Maine Waste Oil Parameters ⁴		2 4 oz amber	G, TLS ³	none	NA	
pH ⁵	9040C, 9041A, 9045D	4 oz	G	none	NA	
Bacteria (water)	As approved by EPA for Drinking or Waste Water	200 ml	Sterilized	Cool 4 C	30 hours	Use gloves!

Notes:

1. SW 846 methods, except as noted
2. For chlorinated water supplies, VOC and SVOC samples must be dechlorinated with sodium thiosulfate or ascorbic acid prior to acid preservation.
3. TLS = Teflon lined cap
4. Maine Waste Oil Parameters include PCBs, flash point, total Halogens, arsenic, cadmium, chromium, and lead
5. For situations where the material is very light (e.g. fly ash, feathers, etc.) please provide more material than a 4-oz jar.