

Appendix B. Equipment List

Equipment List	Quantity	Manufacturer	Part Number	2016 Unit Pricing (in U.S. Dollars)
Centrifugation Equipment				
30-gal settling basins and lids	2–6	U.S. Plastic Corp.	4031 and 3014	\$74, \$18
30-gal fluorocarbon drum liners (optional, for organic analyses)	10–20	Welch Fluorocarbon	P-00116	\$60
Cooling system, like large ice water-filled garbage cans or refrigerated storage unit	—	—	—	—
Small-diameter fluorocarbon polymer tubing (optional, for organic analyses)	4–8	—	—	—
Variable-speed peristaltic pump and pump head	1–2	Cole-Parmer	Masterflex	\$1,000
Pump tubing (centrifuge inflow and outflow)	8–12	Cole-Parmer	Masterflex L/S 15	\$60/box
Continuous-flow centrifuge	1–2	Scientific Methods, Inc.	CFC Express	\$12,600
Centrifuge bowl	2–6	Scientific Methods, Inc.	CFC bowl	\$50
110-V power source	—	—	—	—
1-L tall glass sample jar	1–2	USGS OneStop	Q409FLD	\$30/case of 12
Squeeze bottle (polypropylene or Teflon™)	1–2	—	—	—
Nitrile gloves, various sizes	Box	—	—	—
Tech wipes	Box	—	—	—
Ice cooler or refrigerator	1	—	—	—
Glass pipette, 50-mL or 100-mL, and pipette bulb	1–2	—	—	—
Floor centrifuge with 100-mL rotor and glass centrifuge tubes	1	IEC (Needham Heights, Mass.)	Model K	—
Sample Collection By Pumping				
Tubing, 50- to 100-ft lengths (0.5-in. OD, 0.375-in. ID), fluorocarbon polymer	1–2	USGS OneStop	4301023	\$10/ft
Strainer, stainless steel or plastic (optional)	1	USGS OneStop	7042562 or 7042559	\$70
Teledyne Isco® 6712 Portable Sampler and pump tubing	1	USGS OneStop	7042552	\$5,000
12-V DC batteries, deep-cycle, charged	2–4	—	—	\$100
Other Potential Equipment and Supplies				
Bridgeboard, reel, weighted rope or other tubing deployment equipment	1	—	—	—
5-gal fluorocarbon bucket liners	50–100	Welch Fluorocarbon	P-00107	\$16.50
5-gal buckets and lids and twist ties	50–100	—	—	—
Float system: 1-L Teflon™ bottle, tubing, and small glass funnel	1–2	—	—	—
Teflon™ “T”-type sample splitter	1–2	—	—	—
Appropriate blank water (inorganic or organic)	—	USGS OneStop	N1590 or Q378FLD	\$11, \$46/4 L
Lab vortex mixer	1	—	—	—
Spatula (Teflon™ for organic analyses)	1–2	—	—	—
Co-sampling equipment (for example, multi-parameter sonde and cable, ADCP, tagline, wading rod/bridgeboard/crane, sample bottles, churns)	—	—	—	—
General Field Equipment and Supplies				
Safety Equipment (for example, PFDs, throw rope, high-visibility clothing, cones and signs, lighting, bolt cutter, protective clothing)				
Field Folder				
__ Site file (maps, contact information, Job Hazard Analysis, sampling protocol)				
__ Field forms				
__ Bottle labels				
__ Waterproof pens, pencils, permanent markers				
Tool bag (for example, wrenches, screwdrivers, flagging, cable ties and clippers, tape, metal hose clamps, scissors, knife)				
Bags, various sizes				