DIQUAT	
Test	Determination of Diquat in drinking water
Description	
Test Use	Useful for evaluating diquat in drinking water sources and finished drinking water.
Test	Organic Chemistry: Phone 860-920-6581/6693
Department	Fax 860-920-6703
Methodology	EPA Method 549.2: Liquid-Solid Extraction and HPLC with UV Detection
Availability	Year-round
Sample	One (1) 1-L sample
Requirements	
Container	1-L Brown plastic bottle w/ preservative vials attached:
type	100 mg/L Sodium Thiosulfate preservative for chlorinated samples
/Preservative	Sulfuric Acid preservative for biologically active samples (add until pH≤2)
Collection	For taps, remove aerators and let water run 4-5 minutes. For outdoor locations,
Instructions	sampling location should be in accordance with a preapproved quality assurance
(Note 1)	project plan.
Sample	Samples are iced or refrigerated and kept in the dark at 4°±2°C from time of
Holding Time	collection until extraction.
& Transport	Samples must be extracted (i.e. lab initiates test) within 7 days of collection.
Unacceptable	Incomplete requisition form.
Conditions	Insufficient sample volume.
	Samples received beyond the 7-day holding time.
	Improper collection/container/preservative.
Requisition	Use the Organics/Radiation Water Examination request form.
Form	
Required	Fill out entire requisition form.
Information	
Limitations	Diquat is especially light sensitive, and adsorbs easily onto glass. Sample exposure to
	light and to untreated (i.e. non-silanized) glass should be avoided to prevent loss of
	analyte.
Additional	
Comments	

Note 1: See *New England States Environmental Sampling Guide*, latest edition. https://www.epa.gov/sites/production/files/2015-06/documents/NE-States-Sample-Collection-Manual.pdf