HERBICIDES		
Test Description	Determination of chlorinated acid herbicides in drinking water	
Test Use	Useful for evaluating chlorinated acids in drinking water and other clean waters.	
Test	Organic Chemistry: Phone 860-920-6581/6693	
Department	Fax 860-920-6703	
Methodology	EPA Method 515.3: Liquid-Liquid Extraction, Derivatization and Gas Chromatography	
Availability	Year-round	
Sample	Three (3) 60-mL samples	
Requirements	Two (2) Field Blanks (containing lab-provided reagent water) per sampling trip.	
Container	60-mL amber glass vials with Teflon-lined screw caps.	
type	4 mg Sodium Thiosulfate preservative added to vials prior to collection.	
/Preservative		
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 14 days of collection.	
Unacceptable	Incomplete requisition form.	
Conditions	Insufficient sample volume.	
	Samples received beyond the 14-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	Samples not held at 4°±2°C for more than 3 hours (from when samples are collected	
	and received by the laboratory) will have qualified results.	
Additional	See <u>Table 1</u> for list of compounds which the CT PHL can determine by this method.	
Comments		

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

Table 1. Compounds Determinable by EPA Method 515.3

Analyte	Chemical Abstract Services Registry Number
Acifluorfen	50594-66-6
2,4-D	94-75-7
Dicamba	1918-00-9
Dinoseb	88-85-7
Pentachlorophenol	87-86-5
Picloram	1918-02-1
2,4,5-TP (Silvex)	93-72-1