

VOLATILE ORGANIC PESTICIDES (DBCP, EDB, 1,2,3-TCP)	
Test Description	Determination of purgeable organic compounds in drinking water
Test Use	Useful for evaluating finished drinking water.
Test Department	Organic Chemistry: Phone 860-920-6581/6666 Fax 860-920-6703
Methodology	EPA Method 524.3-SIM: Capillary Column GC/MS
Availability	Year-round
Sample Requirements	Three (3) 40-mL samples. Two (2) Field Blanks (containing lab-provided reagent water) per sampling trip.
Container type /Preservative	40-mL amber glass vials with caps equipped with PTFE-lined septa and containing the following preservatives: 25 mg Ascorbic Acid preservative 200 mg Maleic Acid preservative
Collection Instructions (Note 1)	For taps, remove aerators and let water run 4-5 minutes. For outdoor locations, sampling location should be in accordance with a preapproved quality assurance project plan. Make sure no air bubbles are present.
Sample Holding Time & Transport	Samples are iced or refrigerated and kept at 4°±2°C from time of collection until analysis. Samples must be analyzed within 14 days of collection.
Unacceptable Conditions	Incomplete requisition form. Insufficient sample volume. Samples received beyond the 14-day holding time. Improper collection/container/preservative.
Requisition Form	Use the Organics/Radiation Water Examination request form.
Required Information	Fill out entire requisition form.
Limitations	Samples with air bubbles larger than a pea cannot be analyzed. These samples will be rejected for analysis and the collector will be notified.
Additional Comments	The CT PHL can use this method to determine the following compounds: 1,2,3-Trichloropropane (TCP) 1,2-Dibromoethane (EDB) 1,2-Dibromo,3-chloropropane (DBCP)

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>