ORGANOHALIDE PESTICIDES AND PCBs	
Test Description	Determination of Organohalide Pesticides and Polychlorinated Biphenyl (PCB) Products in water
Test Use	Useful for evaluating various pesticides and PCBs in cleans water and finished drinking water.
Test Department	Organic Chemistry: Phone 860-920-6581/6693 Fax 860-920-6703
Methodology	EPA Method 505: Microextraction and Gas Chromatography
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 screw caps; caps equipped with PTFE-faced septa. 3 mg Sodium Thiosulfate 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.
Sample Holding Time & Transport	Samples are iced or refrigerated at 4°±2°C from time of collection until extraction. Samples must be extracted (i.e. lab initiates test) within 7 days of collection for samples requiring determination of Heptachlor; within 14 days of collection for all other compounds.
Unacceptable Conditions	Incomplete requisition form. Insufficient sample volume. Samples received beyond the 7-day/14-day holding time. (See above) Improper collection/container/preservative.
Requisition Form	Use the Organics/Radiation Water Examination request form.
Required Information	Fill out entire requisition form.
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 Comments	See **Table 1** and *Table 2* for compounds which the CT PHL can be determine by this method.

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

Table 1. Compounds Quantitatively and Qualitatively Determined by EPA Method 505

Analyte	Chemical Abstract Services Registry Number
Alachlor	15972-60-8
Aldrin	309-00-2
Atrazine	1912-24-9
Chlordane	57-74-9
alpha-Chlordane	5103-71-9
gamma-Chlordane	5103-74-2
Dieldrin	60-57-1
Endrin	72-20-8
Heptachlor	76-44-8
Heptachlor Epoxide	1024-57-3
Hexachlorobenzene	118-74-1
Hexachlorocyclopentadiene	77-74-4
Lindane	58-89-9
Methoxychlor	72-43-5
cis-Nonachlor	5103-73-1
trans-Nonachlor	39765-80-5
Propachlor (additional analyte)	1918-16-7
Simazine	122-34-9
Toxaphene	8001-35-2

Table 2. Compounds Qualitatively Determined by EPA Method 505

Analyte	Chemical Abstract Services Registry Number
Aroclor 1016	12674-11-2
Aroclor 1221	11104-28-2
Aroclor 1232	11141-16-5
Aroclor 1242	53469-21-9
Aroclor 1248	12672-29-6
Aroclor 1254	11097-69-1
Aroclor 1260	11096-82-5
Butachlor	23184-66-9
p,p’-DDD	72-54-8
p,p’-DDE	72-55-9
p,p’-DDT	50-29-3
Metolachlor	51218-45-2
Endrin aldehyde	7421-93-4
Endrin ketone	53494-70-5
Metribuzin	21087-64-9
Trifluralin	1582-09-8