

Clor-D-Tect 1000 & Q4000

Questions & Answers

1) What is a halogen?

Answer: Halogens are a family of elements that share the same chemical properties. They are: Chlorine, Bromine, Fluorine, Iodine, Astatine.

2) Does Clor-D-Tect detect all halogens?

Answer: Although regulations state “Halogens”, it is chlorine that the regulations target. Clor-D-Tect does detect most of the halogens, it is chlorine that the Clor-D-Tect test is calibrated on. Because of the unique properties of Fluorine. Clor-D-Tect does not detect this halogen.

3) Is Clor-D-Tect a EPA Method?

Answer: Yes. Clor-D-Tect is US EPA SW-846 Method 9077. Clor-D-Tect is also a ASTM Method, D- 5384.

4) How important is splitting a confirmation samples and transporting it to a laboratory properly?

Answer: EXTREMELY important. Samples must be taken from the same source and transported in a proper vessel, with zero head space and kept cold until arrival at the laboratory. If this is not done, the volatile solvents can escape and laboratory results will differ from your Clor-D-Tect results.

5) What laboratory methods should be used to compare the Clor-D-Tect results.

Answer: It is very important to choose a laboratory than analyzer for “total chlorine”. These EPA Methods are: Method 9076, Microcoulometric titration; Method 9075, X-ray Fluorescence, and Method 5050/9056 Bomb/Ion Chromatography

5) Will other non-halogen solvents interfere with the Clor-D-Tect test?

Answer: Yes, if in sufficient quantities. Alcohol, acetone, and water in sufficient quantities, (above 20 %), can destroy the sodium resulting in a false negative. Used oil containing more than 20 % water use Dexsil’s HydroCLOR Q test kit.

6) Will other non-halogenated compounds interfere with Clor-D-Tect results?

Answer: Yes. Solutions containing sulfur in concentrations greater than 20 %. This will result in a false positive.

7) How do I dispose of used kits?

Answer: Used kits should be land filled after immobilizing the Mercury by the addition of the disposal ampules contained in each kit.