CHAPTER EIGHT

METHODS FOR DETERMINING CHARACTERISTICS

This chapter addresses procedures for required method-defined parameters, where the analytical result is wholly dependant on the process used to make the measurement. Examples include the use of the toxicity characteristic leaching procedure (TCLP) to prepare a leachate, and the flash point, pH, paint filter liquids, and corrosivity tests. In these instances, changes to the specific methods may change the end result and incorrectly identify a waste as nonhazardous. Therefore, when the measurement of such method-defined parameters is required by regulation, those methods are not subject to the flexibility afforded in other SW-846 methods (such as described in the Disclaimer and Chapter Two of this manual).

Methods for determining the characteristics of ignitability for liquids, corrosivity for liquids, and toxicity are included. The text of the methods identified for the characteristic of ignitability refer the reader to the appropriate required ASTM methods. There are no required SW-846 methods for the analysis of the characteristic of reactivity.

8.1 Ignitability

This chapter addresses procedures for required method-defined parameters, where the analytical result is wholly dependant on the process used to make the measurement. Examples include the use of the toxicity characteristic leaching procedure (TCLP) to prepare a leachate, and the flash point, pH, paint filter liquids, and corrosivity tests. In these instances, changes to the specific methods may change the end result and incorrectly identify a waste as nonhazardous. Therefore, when the measurement of such method-defined parameters is required by regulation, those methods are not subject to the flexibility afforded in other SW-846 methods (such as described in the Disclaimer and Chapter Two of this manual).

The text of the methods identified for the characteristic of ignitability refer the reader to the appropriate required ASTM methods. The following methods are found in Sec. 8.1 of this chapter:

Method 1010A: Test Methods for Flash Point by Pensky-Martens Closed Cup Tester

Method 1020B : Standard Test Methods for Flash Point by Setaflash (Small Scale) Closed-cup Apparatus

8.2 Corrosivity

This chapter addresses procedures for required method-defined parameters, where the analytical result is wholly dependant on the process used to make the measurement. Examples include the use of the toxicity characteristic leaching procedure (TCLP) to prepare a leachate, and the flash point, pH, paint filter liquids, and corrosivity tests. In these instances, changes to the specific methods may change the end result and incorrectly identify a waste as nonhazardous. Therefore, when the measurement of such method-defined parameters is required by regulation, those methods are not subject to the flexibility afforded in other SW-846 methods (such as described in the Disclaimer and Chapter Two of this manual).

The following methods are found in Sec. 8.2 of this chapter:

Method 9040C: pH Electrometric Measurement
Method 1110A: Corrosivity Toward Steel

8.3 Toxicity

This chapter addresses procedures for required method-defined parameters, where the analytical result is wholly dependant on the process used to make the measurement. Examples include the use of the toxicity characteristic leaching procedure (TCLP) to prepare a leachate, and the flash point, pH, paint filter liquids, and corrosivity tests. In these instances, changes to the specific methods may change the end result and incorrectly identify a waste as nonhazardous. Therefore, when the measurement of such method-defined parameters is required by regulation, those methods are not subject to the flexibility afforded in other SW-846 methods (such as described in the Disclaimer and Chapter Two of this manual).

The following methods are found in Sec. 8.3 of this chapter:

Method 1310B:	Extraction Procedure (EP) Toxicity Test Method and Structural Integrity Test
Method 1311:	Toxicity Characteristic Leaching Procedure