

Annex A

TITLE 25. ENVIRONMENTAL PROTECTION

PART I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

Subpart A. PRELIMINARY PROVISIONS

ARTICLE II. STATEMENTS OF POLICY

**CHAPTER 16. WATER QUALITY TOXICS MANAGEMENT STRATEGY—
STATEMENT OF POLICY**

**Subchapter A. GUIDELINES FOR DEVELOPMENT OF CRITERIA FOR TOXIC
SUBSTANCES AND WATER QUALITY CRITERIA FOR TOXIC SUBSTANCES**

GUIDELINES FOR DEVELOPMENT OF HUMAN HEALTH-BASED CRITERIA

§ 16.32. Threshold level toxic effects.

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(d) The sources the Department uses to obtain relevant risk assessment values for protection for threshold level toxic effects to human health are as follows:

(1) Verified reference doses, listed in the EPA agency-wide supported data system known as IRIS (Integrated Risk Information System) and other EPA approved data sources [referred through IRIS].

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CRITERIA MODIFICATION

§ 16.41. Changes and additions.

The criteria in Chapter 93, Table 5 and site-specific criteria [in Appendix A, Table 1A] for toxic substances are based on the best scientific information currently available. These criteria may, however, be added to or modified if the Department determines upon evaluation of new scientific findings and information that a change is warranted. Submittal of data and information will be considered by the Department for this purpose. Site-specific criteria development will be performed in accordance with § 93.8d (relating to development of site-specific water quality criteria). Changes and additions to the tables will be published in the *Pennsylvania Bulletin*.

APPENDIX A

TABLE 2A

APPROVED DEP ANALYTICAL METHODS AND DETECTION LIMITS

<i>Parameter (CAS)</i>		<i>Method Number (Description) Source</i>	<i>Detection Limit (µg/l)</i>
[* 14M — — —	CYANIDE, FREE (00057125)	—(DEP Free CN method, Auto) Not EPA approved	1]
	BENZENE METADISULFONIC ACID (00098486)	OR 357A Test America, HPLC/UV or LC/MS/MS	50
	BENZENE MONOSULFONIC ACID (00098113)	OR 357A Test America, HPLC/UV or LC/MS/MS	50
	P-PHENOL SULFONIC ACID (00098679)	OR 357A Test America, HPLC/UV or LC/MS/MS	50

[* EPA currently measures “total cyanide” to satisfy cyanide limits and has not yet approved analytical methods for “free cyanide.” Free cyanide is a DEP required analysis, and either of the three listed are acceptable for its determination.]