

US EPA ARCHIVE DOCUMENT



Multimedia, Multipathway, and Multireceptor Risk Assessment (3MRA) Modeling System

**Volume III: Ensuring Quality of the
System, Modules, and Data**

Multimedia, Multipathway, and Multireceptor Risk Assessment (3MRA) Modeling System

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prepared by

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This document is the third volume of a five-volume set. Volume I describes the conceptual design, scientific rationale, and supporting data that are the foundation for the 3MRA modeling system. Volume II describes the data developed and used to run the 3MRA modeling system. This volume describes the approach to quality assurance, including verification and validation activities ranging from extensive peer reviews to multimedia model comparisons. Volume IV describes the methodology used to evaluate sensitivity of model parameters and characterize different types of uncertainty in the 3MRA modeling system. Volume V describes the technology design and includes a user's guide.

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