



**Occurrence Estimation  
Methodology and  
Occurrence Findings Report  
for the Six-Year Review of  
Existing National Primary Drinking  
Water Regulations**

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## ABBREVIATIONS

CB	Credible Bound
CI	Credible Interval
CMR	Chemical Monitoring Reform
CWS	Community Water System
DBCP	1,2-Dibromo-3-chloropropane
EDB	Ethylene Dibromide
EPA	Environmental Protection Agency
FTP	File Transfer Protocol
GW	Ground Water
IOC	Inorganic Chemical
MCL	Maximum Contaminant Level
mg/L	milligrams per liter
MLE	Maximum Likelihood Estimation
MRL	Minimum Reporting Level
NAWQA	National Water Quality Assessment Program
NTNCWS	Non-Transient Non-Community Water System
NPDWR	National Primary Drinking Water Regulation
OGWDW	Office of Ground Water and Drinking Water
PWS	Public Water System
PWSID	Public Water System Identifier
ROS	Regression on Ordered Statistics
SDWA	Safe Drinking Water Act
SDWIS/Fed	Safe Drinking Water Information System/Federal Version
SOC	Synthetic Organic Chemical
SW	Surface Water

### ABBREVIATIONS (Continued)

TNCWS	Transient Non-Community Water System
TRI	Toxics Release Inventory
Fg/L	micrograms per liter
URCIS	Unregulated Contaminant Information System
USGS	United States Geological Survey
VOC	Volatile Organic Chemical

## EXECUTIVE SUMMARY

The 1996 Amendments to the Safe Drinking Water Act (SDWA) require that the Environmental Protection Agency (EPA) shall, not less often than every six years, review and revise, as appropriate, each national primary drinking water regulation promulgated by the Agency. This report presents an overview of the regulated contaminant occurrence data, data management, and statistical methods used to develop national contaminant occurrence estimations generated in support of EPA's Six-Year Review of National Primary Drinking Water Regulations. Using the data and methods described, estimations of national occurrence and preliminary assessments of exposure are derived, evaluated, and presented.

The contaminant occurrence data used are public water system compliance monitoring results originally reported to and contained in State data sets. A data management approach, consisting of the development of a 16-State national cross-section, enables statistical estimations that are indicative of national occurrence of contaminants in public drinking water systems. The Safe Drinking Water Act compliance monitoring data in the 16-State national cross-section represent more than 13 million analytical results from approximately 41,000 public water systems. The national cross-section data are used to develop contaminant occurrence estimates that are indicative of national occurrence. For individual contaminants, the amount of compliance monitoring data used in occurrence analyses range from almost 27,700 analytical records for Cyanide (from 9,559 public water systems) to slightly more than 201,000 analytical records for trichloroethylene (from 23,035 public water systems).

The primary objective regarding the data used in these contaminant occurrence analyses was development of a consistent and repeatable data management approach that would allow valid comparisons between and among the various data sets, and allow the data to be jointly evaluated to provide an overview of occurrence patterns at the national level. As part of the data management process, an extensive data quality assurance assessment was conducted to ensure adequate quality of the data used.

A two-stage analytical approach was developed to evaluate the national occurrence of regulated contaminants using the national cross-section of compliance monitoring data. The first stage of analysis, referred to as the "Stage 1 analysis," provides a straightforward evaluation of occurrence for all regulated contaminants. In this Stage 1 analysis, the data sources, data quality, and data characteristics were assessed, and the data were used to conduct simple, clear, and conservative non-parametric assessments for a broad evaluation of contaminant occurrence.

The subsequent "Stage 2 analysis" is a more rigorous parametric statistical estimation based on probabilistic modeling. The Stage 2 analysis enables estimation of the national number of public drinking water systems, and the population served by those systems, that have an estimated long-term mean concentration of a particular contaminant that exceeds a specified threshold concentration of interest. The stage 2 analyses yield detailed, stratified (assessed according to source water type and system size) occurrence estimations using a Bayesian-based hierarchical model estimation method. This method provides estimates of numbers of systems, and population served by those systems, with system mean concentrations exceeding specified contaminant threshold concentrations, and includes quantified error for the estimation procedures.

In the process of developing this two-stage analytical approach for the Six-Year Review, the national cross-section development and analytical approach were peer-reviewed, assessed relative to another significant drinking water contaminant occurrence estimation method, and evaluated with simulated data sets designed to assess the log-normal and constant variance assumptions made at the system level regarding the national distribution of system means. Assessments indicated the Bayesian-based hierarchical model and the 16-State national cross-section of compliance monitoring data are appropriate for use for the Six-Year Review occurrence estimations.

The occurrence of 60 regulated contaminants was evaluated with both Stage 1 and Stage 2 analytical approaches using the 16-State national cross-section data. The Stage 1 and Stage 2 analyses yielded similar occurrence findings. Based on the Stage 1 estimates, the highest occurrence IOC was fluoride, the

highest occurrence SOC was bis(2-ethylhexyl)phthalate and the highest occurrence VOC was tetrachloroethylene. Based on the Stage 2 estimates, the highest occurrence IOC was fluoride, the highest occurrence SOC was 1,2-dibromo-3-chloropropane (bis[2-ethylhexyl]phthalate was the second highest occurrence SOC) and the highest occurrence VOC was trichloroethylene (tetrachloroethylene was the second highest occurrence VOC).

The summary of Stage 1 analytical findings is presented in report Section IV.A., and complete detailed Stage 1 findings for all 60 contaminants are included in Appendix A. The summary of Stage 2 analytical findings is presented in report Section VI.H., and complete detailed Stage 2 findings for all 60 contaminants are included in Appendix C.

## **I. INTRODUCTION**

This report presents a detailed review of the contaminant occurrence data used and the statistical methods developed to estimate regulated contaminant occurrence in public drinking water systems. These regulated contaminant occurrence estimates are generated in support of the Environmental Protection Agency's Six-Year Review of National Primary Drinking Water Regulations (NPDWRs). This "Six-Year Review" assesses the potential revision of regulations for regulated contaminants. The contaminant occurrence data used for the Six-Year Review's statistical estimations are Safe Drinking Water Act (SDWA) compliance monitoring data. Using the data and statistical methods described, estimations of national occurrence and preliminary assessments of exposure are derived, evaluated, described, and presented.

The contaminant occurrence estimations conducted for the Six-Year Review represent a long-term, detailed, and comprehensive undertaking of data acquisition, quality analysis, editing and formatting. This extensive data management work was conducted concurrently with the development of a two-stage contaminant occurrence estimation approach. The first stage of analysis comprises a simple, straightforward assessment that provides a broad overview of contaminant occurrence. The second stage of analysis is a more rigorous, statistical approach that provides detailed estimates of occurrence with quantified error of estimation to enable measures of the certainty of the estimates. The detailed descriptions of these data and estimation methods are presented in the following sections and appendices of this report.

### **I.A. Purpose and Scope**

The United States Environmental Protection Agency (EPA) Office of Ground Water and Drinking Water (OGWDW) is responsible for implementing the provisions of SDWA. Under SDWA, OGWDW develops regulations to address the public health risks from contaminated drinking water and develops related programs to protect ground water and surface water supplies. The 1996 Amendments to SDWA require that EPA shall, at least once every six years, review and revise, as appropriate, each NPDWR promulgated by the Agency. SDWA specifies that revision of a national primary drinking water regulation shall maintain or provide for greater protection of public health. Any revision of the regulations will be partially dependent on contaminant occurrence findings, and on the reevaluation of the public's exposure to the contaminants and the potential adverse health effects from that exposure. The purpose of this report is to describe the contaminant occurrence data, data management, and statistical methods used to develop national contaminant occurrence estimations. Estimations of national occurrence and preliminary assessments of exposure are derived and evaluated using the data and methods described.

### **I.B. Sources of Data Used for Analysis**

State data sets, comprising SDWA compliance monitoring data from public water systems (PWSs), were the primary data sources for this analysis. An approach was developed to construct a national cross-section of State data sets that contain contaminant occurrence data that would be indicative (or as representative as possible) of national contaminant occurrence. Data from 16 States were selected and used in the national cross-section of State data sets. The States were selected to represent the national range of pollution potential, and hydrologic and geographic diversity. The SDWA compliance monitoring data in the 16-State national cross-section represent more than 13 million analytical results from approximately 41,000 PWSs. Analytical results based on the cross-section are therefore indicative (though not strictly statistically representative) of national occurrence. In other terms, the analyses based on the cross-section data should indicate a central tendency of occurrence in part based on the very large size of the cross-section data set and how the cross-section was constructed. The 16-State national cross-section data set is the largest compliance monitoring data set compiled by EPA to date. Construction of the cross-section is discussed in Section II.

## **I.C. Data Analysis**

A two-stage analytical approach was developed for this evaluation of the national occurrence of regulated contaminants. The first stage of analysis, referred to as “Stage 1,” provides a straightforward evaluation of occurrence for all regulated contaminants. In the Stage 1 analysis, the compliance monitoring analytical results data for all regulated contaminants for the cross-section States were compiled in contaminant-specific data sets and the data were used to simply count the percent of PWSs that recorded at least one analytical result exceeding the Minimum Reporting Level (MRL) and Maximum Contaminant Level (MCL) for each contaminant.<sup>1</sup> With these results, general assessments such as relative rankings of the contaminants’ occurrence provide a broad characterization of contaminant occurrence. The Stage 1 analyses generate occurrence estimates that are clear and easy to understand. They were developed as a rudimentary analytical technique, and they provide conservative estimates of occurrence. Stage 1 analysis methods are described in more detail below in Section IV.

In part based on the findings of the Stage 1 analysis, EPA selected a set of contaminants for which more rigorous parametric statistical estimations, the Stage 2 analyses, were warranted as a next step. Using the Stage 2 approach, estimates were made for the number of public drinking water systems nationally, and the population served by those systems, that are expected to have a particular mean contaminant concentration present at levels exceeding any specified threshold(s) of concern to EPA. The Stage 2 analyses employ a Bayesian-based hierarchical model estimation method which yield detailed, stratified occurrence estimates and include quantified error for those estimates. The Stage 2 analysis is described in more detail below in Section VI.

## **II. DEVELOPING A NATIONAL CROSS-SECTION OF STATES**

Currently, there is no complete analytical record of contaminants in drinking water from public water systems collected under SDWA that can be processed for a comprehensive national overview of occurrence and exposure. EPA’s Safe Drinking Water Information System (SDWIS/Fed) maintains a variety of water system inventory and operation information, as well as compliance program information. For most contaminants, however, the only analytical results filed in SDWIS/Fed are those related to violations of the MCL. The analytical results from monitoring of the Phase II/V rule chemicals, and most other contaminants, are stored in individual State databases. Until the data management effort for this report, there had been no feasible way to access these data to construct a national sample except through analyzing data sets from the individual States.

EPA previously completed a study reviewing the occurrence of regulated contaminants in public drinking water systems using data sets voluntarily provided by eight States. These data were used in the development of an initial analysis of a national cross-section of contaminant occurrence. The results of this prior work in support of the Chemical Monitoring Reform (CMR), and the report generated (referred to as the “CMR Report,” U.S. EPA 1999) have generated wide and very positive support by stakeholders and peer-reviewers alike.

The data sets received from the eight States were used for a detailed national cross-section analysis in the CMR Report. The data sets from these same eight States provide the basis for analyses conducted for this current report. Described in the following sections are the evaluations and procedures used in identifying the eight initial cross-section States. These eight States, in aggregate, provide contaminant occurrence data compiled to be indicative of contaminant occurrence nationally.

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<sup>1</sup> The MRL is the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions. The MCL is maximum permissible level of a contaminant in water which is delivered to any user of a public water system.



## II.A. Pollution Potential Indicators

Many past EPA and United States Geological Survey (USGS) studies have shown that some simple measures, such as population (or population density) are closely associated with pollution.<sup>2</sup> This is both intuitively and empirically apparent, since it is human activity and its related land use—be it manufacturing or agriculture—that is the source of most pollutants, particularly the organic chemicals. In the CMR Report, various demographic and other factors were evaluated as independent measures or indicators of pollution potential.

More than thirty-five different factors that are potentially useful as indicators of each State's<sup>3</sup> pollution potential were considered for the CMR analyses. The factors ranged from Census data on manufacturing, agriculture, and population density, to indices such as EPA's Section 106 allocation factors or the *1991-1992 Green Index: A State by State Guide to the Nation's Environmental Health (prepared by the Institute for Southern Studies)* (Hall and Kerr 1993). Two methods were considered for evaluating the States' comparable pollution potential. The first was the development of a singular numerical index, incorporating factors such as manufacturing in the State, total pounds of chemicals released, and pesticides used, into a comprehensive ranking for each State. However, such a ranking for all sources requires various factors to be weighted, and the meaning of the resultant number can be difficult to understand, as well as arguable.

A second, simpler method, evaluating the pollution potential of the States, was adopted for the CMR analyses. The primary factors used indicated the potential pollution from manufacturing and agriculture in each State. States were then ranked from 1 to 50 for each factor. This method does not, of course, avoid all of the problems discussed above, but it does provide a simple, practical evaluation of the range of pollution potential conditions represented by the States.

In general, manufacturing/industrial activities are considered the major sources of many volatile organic contaminants (VOCs) (degreasers, solvents, petroleum compounds). Most synthetic organic contaminants (SOCs) are pesticides, and agriculture is the largest user of these compounds. While inorganic contaminants (IOCs) can have various uses in manufacturing, they also occur naturally. Natural geologic sources of IOCs were not directly considered in the assessment for representativeness, in part because whole States needed to be evaluated and such sources are often localized. However, by including geographic or spatial coverage across the United States as a factor (e.g., from New Jersey to Montana), a range of geologic, hydrogeologic, and climatic variability were inherently included in this cross-section development.

### II.A.1. Manufacturing Indicators

Numerous factors were considered as potential indicators of manufacturing-related pollution, including EPA's Toxics Release Inventory (TRI) (including total releases, releases per square mile, and releases excluding air releases), the number of manufacturing establishments per square mile, the number of manufacturing employees, the value added by manufacturers, and the value added per capita. This information was taken directly from the *1995 Annual Survey of Manufactures* (U.S. DOC 1997), the *1992 Census of Manufactures* (U.S. DOC 1996), and the *1995 Toxics Release Inventory* (U.S. EPA 2001). All factors were considered in terms of their inherent value as pollution potential indicators, their range and variance in providing a relative ranking of the States, and their interrelationships.

The total TRI releases per square mile and the number of manufacturing establishments per square mile were considered the two most useful indicators. While there are problems with the TRI (e.g., some

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<sup>2</sup> For example, the most recent report is Squillace et al. 1999.

<sup>3</sup> Data were analyzed on a Statewide basis so any determination of representativeness was based on whether the States, for which information was available, were representative of the nation as a whole. There are problems, of course, with using large, diverse entities such as States to determine representativeness; however, it was not practical to break the data down any further.

inconsistent release estimation techniques; omission of many small establishments, or those with releases below specified thresholds), the TRI was considered useful because it is a measure of how many pounds of toxic chemicals are released within the State. The number of manufacturing establishments takes into account how many factories are actually engaged in manufacturing and thus how many establishments potentially contribute to pollution. By breaking down the number of manufacturing establishments per square mile, the size of the State is also taken into account.

The data clearly showed a close correlation between the number of manufacturing establishments per square mile and the population density in each State, as well as a clear linear association with the total TRI pounds released/square mile. Hence, the number of manufacturing establishments per square mile was used as the primary indicator because it is a simple measure of how many establishments are actually engaged in manufacturing and thus is potentially polluting sources of drinking water. The TRI total pounds released per square mile was used as a secondary factor in determining representativeness. Squillace *et al.* (1999) found a significant correlation between VOC occurrence in ambient ground water and population density in a USGS national NAWQA study. As noted, population density and manufacturing density are highly correlated. Manufacturing density and TRI data were used in this ranking because they were considered more direct measures of pollution potential for this study.

### **II.A.2. Agricultural Indicators**

There is no complete measure of pesticide usage by States that is readily available. Thus, a variety of factors were considered to assess potential organic chemical pollution from agriculture in each State. These included the percent of the State's population that is classified as rural, the percent of land in the State that is crop land, the percent of land that is grassland pasture and rangeland (a possible inverse indicator), and total farm agricultural chemical expenses. Like the manufacturing factors, these agricultural variables were considered in terms of their value in indicating potential sources of pollution and were plotted against one another to determine how closely they are correlated.

Of these factors, total farm agricultural chemical expenses was considered to be the best indicator of potential pollution. The percent of the State's population that lives in rural areas does not necessarily relate to agricultural chemical use or crop land. There is, of course, a correlation between crop land and agricultural chemical use. However, there are notable exceptions such as Florida and California which use a large amount of agricultural chemicals despite having more limited crop land area. While there are some incomplete surveys of pesticide use, the *1992 Census of Agriculture* (U.S. DOC 1994) measure of dollars spent on agricultural chemicals was a more consistent and complete measure.

### **II.A.3. Summary**

The following three measures were selected as reasonable indicators of pollution potential of the States: the number of manufacturing facilities per square mile (to reflect the range of potential VOC occurrence), total expenditures on farm agricultural chemicals (to reflect the range of potential SOC occurrence), and TRI releases (in total pounds) per square mile (to reflect the releases of any type of chemical into the environment). Additionally, in the development of a nationally representative group of States, a geographic distribution of States is also considered (to reflect the range of hydrologic and climatic conditions, and geologically-influenced, potential IOC occurrence).

### **II.B. Representativeness of the Selected State Data Sets**

Most of the data used in this review were provided voluntarily by States. In all, 14 States originally provided data in support of the CMR analyses. While 14 of 50 States is a substantial sample, it is not necessarily representative of national occurrence. Six of the 14 States available for use in the analysis were from the Midwestern "Cornbelt" States. The inclusion of all six Cornbelt States would have resulted in an over-representation of the "pollution potential" for agricultural chemicals. Hence, various means were evaluated to enable the construction of a grouping of the available State data sets that would provide a reasonable first view of national occurrence based on a representative cross-section of States.

As described in the previous section, two broad factors were considered in the assessment of a nationally representative compilation of State data sets: geographic or spatial diversity, and pollution potential. Consideration of States that collectively provide a geographic diversity was one means by which to include contaminant occurrence data from the wide, and national, range of climatic and hydrologic conditions across the United States. The representative group of State data sets was also selected to represent the range of pollution potential across the various regions and States of the United States. The 50 States' pollution potential indicators were ranked from 1 to 50 (1 being the highest and 50 being the lowest). These ranked lists of States were then divided into four quartiles. The rankings were reviewed to assess if States could be selected in approximate balance from each quartile. The primary ranking indicator was the number of manufacturing establishments per square mile, but total farm agricultural chemical expenditures and TRI releases were also considered to contribute further to insuring that the occurrence data from the selected States were, collectively, representative or indicative of national occurrence. This cross-section selection process was used to select the initial 8 State cross-section, and the compliance monitoring data from these initial 8 cross-section States provides a broad distribution geographically and across the pollution potential rankings.

The quartile division of the States selected to approximate the national cross-section are summarized in Table II.B.1. The compliance monitoring contaminant occurrence data from these eight States collectively provide a balanced cross-section, based on relative rankings for pollution potential (reflecting a range of high, medium, and low contaminant occurrence) and geographic coverage (reflecting a range of climatic and hydrologic conditions across the United States). The eight initial cross-section States represent over 25 percent of the United States population using PWSs, and over 20 percent of the PWSs nationally.

**Table II.B.1. Initial Eight Cross-Section States with Ranking of Pollution Potential Indicators**

Quartiles for Rank-Order of All States Based on Manufacturing Ranking	Initial Eight States in National Cross-Section	National Ranking of Pollution Potential Indicators		
		Manufacturing <sup>1</sup>	Agriculture <sup>2</sup>	TRI Releases <sup>3</sup>
1	NJ	2	37	8
	IL	10	2	11
	CA	11	1	38
2	MI	13	18	16
	AL	25	26	7
3	OR	34	22	39
4	NM	44	40	40
	MT	48	34	34

1) "Manufacturing" = the number of manufacturing facilities per square mile

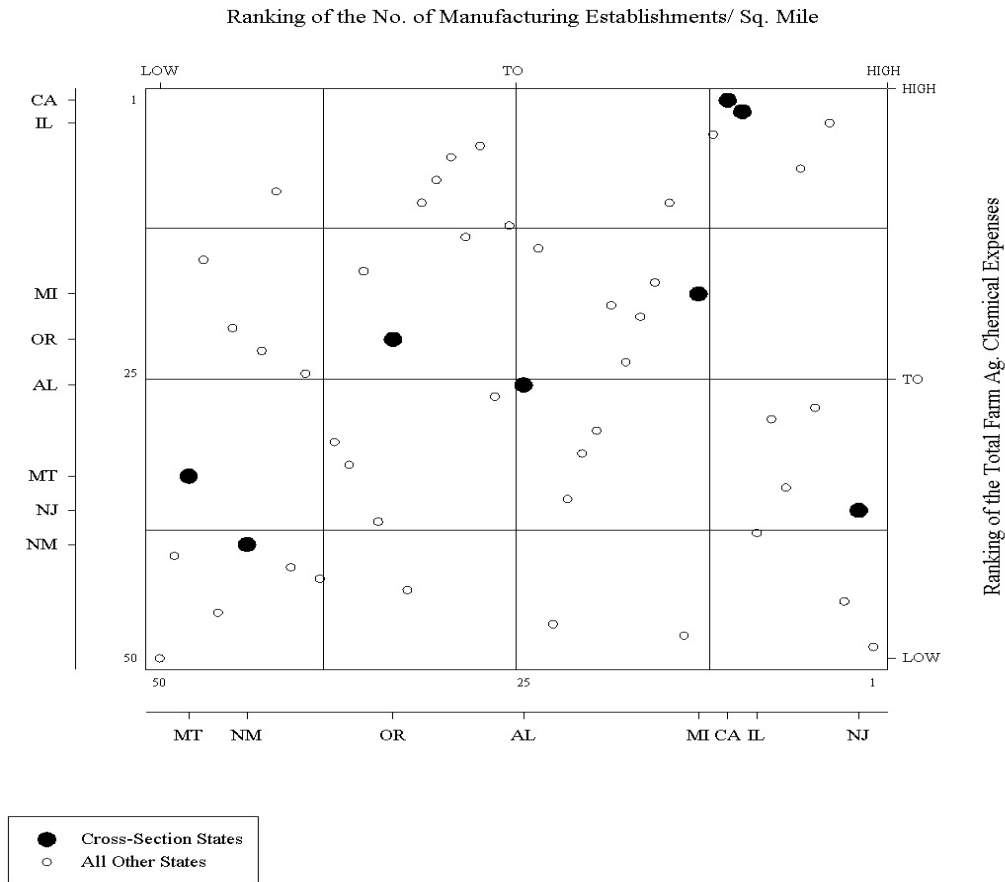
2) "Agriculture" = total expenditures on farm agricultural chemicals

3) "TRI" = TRI releases (in total pounds) per square mile

The States were also plotted on a two-dimensional scatter plot (see Figure II.B.2), with the x- and y-axes representing the manufacturing and agricultural ranking, respectively, of each State. The amount spent on agricultural chemicals per State increases along the y-axis from bottom to top. The number of manufacturing establishments per square mile per State increases along the x-axis from left to right. Figure II.B.2 illustrates the balanced distribution of the 8 cross-section States across the four quartiles of

both of those indicators. An ideal balanced distribution of the 8 States across the range of low to high pollution potential would be achieved by selecting two States in each of the four quartiles (rows) representing the low to high range agricultural pollution potential indicators, while also having two States in each of the four quartiles (columns) representing the low to high range of manufacturing pollution potential indicators. The map presented in Figure II.B.3 shows the geographic distribution of the cross-section States across the United States, to ideally provide a broad representation across the low to high range of often geographically-influence occurrence of inorganic contaminants.

**Figure II.B.2. Distribution of State Rankings of Manufacturing Establishments/ Sq. Mile vs. Farm Ag. Chemical Expenses (Cross-Section States Represented by Solid Circles)**



**Figure II.B.3. Map of the Initial 8 Cross-Section States**



### III. INITIAL EIGHT STATE DATA SETS

The initial eight State data sets are comprised of SDWA compliance monitoring data from public drinking water systems as provided by the States. These data represent the analytical results for Non-Purchased Community Water Systems (CWSs) and Non-Purchased Non-Transient Non-Community Water Systems (NTNCWSs) that are required to monitor for the Phase II/V chemicals. Some States included data from Transient Non-Community Water Systems (TNCWSs), but these systems are not required to monitor for the Phase II/V contaminants. As summarized in Table III.A.1, these data represent approximately 10 million analytical results from nearly 22,000 public water systems. In most cases, the initial State data sets contained additional data that were not included in these analyses either because they were not appropriate (e.g., data for non-Phase II/V contaminants) or because they posed various data quality problems (e.g., missing significant data elements such as source water type) that prevented analysis of adequate quality, specificity, or accuracy. Additional information describing the overall quality of the data is discussed in Sections III.A and III.B.

**Table III.A.1. Initial 8 State Data Sets Used for Analyses**

State	Contaminant Groups Represented <sup>1</sup>	Number of Analytical Results	Number of PWSs Represented	Time Period
Alabama	IOCs, SOCs, VOCs, O	708,569	731	1985-1998
California	IOCs, SOCs, VOCs, O	3,897,362	6,414	1984-1998
Illinois	IOCs, SOCs, VOCs, O	2,967,946	1,392	1987-1997
Michigan <sup>2</sup>	SOCs, VOCs, O	685,721	3,252	1993-1997
Montana	IOCs, SOCs, VOCs, O	276,675	1,786	1993-1998
New Jersey	IOCs, SOCs, VOCs, O	980,915	4,503	1993-1998

State	Contaminant Groups Represented <sup>1</sup>	Number of Analytical Results	Number of PWSs Represented	Time Period
New Mexico	IOCs, SOCs, VOCs, O	266,262	1,299	1992-1996
Oregon	IOCs, SOCs, VOCs, O	169,521	2,345	1990-1998
<b>Initial Eight Cross-Section State TOTAL</b>	<b>IOCs, SOCs, VOCs, O</b>	<b>9,952,971</b>	<b>21,722</b>	<b>1984-1998</b>

These State data sets were initially developed for the analyses conducted in the CMR Report and were used for the analyses in this current report.

1) IOCs = the 13 regulated inorganic chemicals; SOCs = the 30 regulated synthetic organic chemicals; VOCs = the 21 regulated volatile organic chemicals; O = Other regulated or unregulated chemicals.

2) No IOC data were originally available from the State of Michigan, and therefore no Michigan data were used in Stage 1 analyses for IOCs. However, subsequently, Michigan compliance monitoring data were acquired for the IOCs fluoride, beryllium, chromium, mercury, and thallium. These data were checked and edited for quality, added to the cross-section data set, and included in the later Stage 2 analyses.

### III.A. Data Management

There are many issues regarding the management of very large data sets for a project such as this. Selection of appropriate State data sets and significant management of the data (i.e., handling, editing, formatting, etc.) was necessary before any analysis could be conducted. The primary objective regarding the data used in these contaminant occurrence analyses was development of a consistent and repeatable data management approach that would allow valid comparisons between and among the various data sets, and allow the data to be jointly evaluated to provide an overview of occurrence patterns at the national level.

For the most part, the States that provided data did not reorganize or reformat data, but simply transmitted the data in whatever manner was easiest. Data were transferred using three main media: file transfer protocol (FTP), e-mail, and diskettes. The data were received in a number of file types, including spreadsheet, database, and image files. Many of the data sets were received “as is” and had not been formatted by the State in any way. For example, while the Phase II/V compliance data from 1993-1997 were of greatest interest, in many cases it was easier for the State to simply transmit their entire data set, which generally contained information on all chemical contaminants (in addition to the Phase II/V) over a greater span of years.

After receipt, an initial review of the information in each data set was performed. Each data set was unique in format, layout, custom codes, and data element usage. In most cases, the data were not accompanied by a protocol outlining each variable. In every instance, follow-up with a State contact was necessary to decipher variable headings or contaminant codes. When all variables were understood, a formatting plan was developed for the data. Nearly all of the data sets required some type of formatting to facilitate analysis. Data formatting problems varied from one data set to another.

All statistical analyses were conducted in SAS<sup>®</sup> statistical software. Data formatting problems were corrected in Microsoft<sup>®</sup> Excel with the aid of specialized programs written in Visual Basic<sup>®</sup> or were corrected directly in SAS<sup>®</sup> before the analysis began.<sup>4</sup> Data management and formatting was the most time consuming and labor intensive part of the data analysis. While analysis of the data was consistent from one data set to another, each data set required some unique editing and filtering because of differences among basic data elements.

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<sup>4</sup> SAS is a registered trademark of the SAS Institute, Inc. Excel and Visual Basic are trademarks of the Microsoft Corporation.

### **III.B. Data Quality Issues**

There are numerous data quality issues inherent to a study where very large data sets of differing format and quality are assembled from many States to be used to characterize contaminant occurrence in the nation's public water systems. The quality and dependability of the data used in the contaminant occurrence analyses directly affect the quality and dependability of the results of the analyses conducted. Therefore, many of the data quality issues, as well as the processes required before the analytical results could be generated, are reviewed below as a preface to understanding the analytical results. For a complete summary of data editing, please refer to the *First Stage Occurrence and Exposure Report for Six-Year Review* (Cadmus 2000).

This study only used data from State primacy agencies; i.e., official data from the regulated drinking water program. All such analytical results are generated by laboratories that are certified for drinking water programs, which assumes the use of various quality assurance and quality control procedures. Only standard SDWA compliance samples were used; "special" samples, or "investigation" samples (investigating a contaminant problem that would bias results), or samples of unknown type were not used in the analysis. Certainly data problems exist, but efforts have been taken to reduce the problems and increase the dependability and quality of the State occurrence data used in these analyses.

Many of the State data sets included data from different time periods (see Table III.A.1). However, the majority of data are from 1993 and later (which coincides with the beginning of Phase II/V monitoring). Initial screening of the data showed that most data quality problems were in pre-1993 data. Therefore, in some of the data sets, results gathered before 1993 were eliminated from these analyses. More than 80 percent of all data utilized in this report are from 1993 or later; this proportion is even greater for most SOCs. More than 92 percent of all data used for this analysis are from 1990 or later. Beyond these generalities, though, the amount of problematic data was quite small in the State data sets selected for use in the cross-section, and there was no apparent or particular systematic data problem. Therefore, all data collected prior to 1993 used for this analysis that met the necessary data quality conditions for this analysis were retained.

#### **III.B.1. Data Quality Assessment and Control**

Every State data set reviewed for this study contained unique data elements or unique treatment of common elements. Even after initial screening and conversion to uniform formats and data set structure, unique factors were always uncovered during data analysis. Many of the potentially confounding factors were resolved only through direct consultation with the States. As a general rule, when errors or ambiguities in various data elements could not be resolved, those particular data elements were not included in the analyses to avoid problematic results or results based on data of questionable quality. This data quality measure eliminated relatively very few observations as compared to the thousands of analytical results included in the data sets. Many of the most problematic data quality problems encountered occurred with older data (especially, pre-1990 or 1993).

System and sample data elements also required some time-consuming editing. Many States' data sets contained no, or only incomplete, source water type and population records (both of which are essential for these analyses). When these data elements were not reported, the data set was linked (by common PWSID) with the Needs Survey sample frame which provided the source water type and population information for many PWSs. However, information for all systems could not always be determined from the Needs Survey. Observations whose source water type could not be determined were not included in the analysis.

Any issues within the analytical results data elements affect fundamental data processing procedures before any statistical processing can even begin. Very few databases contained a field for the MRL for a contaminant/method combination. (The Minimum Reporting Level is the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.) The actual analytical results generally comprise multiple fields, and one critical component in such databases is how analytical results with values that are less than the MRL are recorded. The State data sets vary widely in how these "less than the MRL" values (also referred to as "non-detections") are

recorded. Some record a “<” symbol in one field and then the actual MRL concentration value in a corresponding field while others simply enter zero in the results field. Other States record an “ND” or some other code for non-detections while many States indicate a mixed usage that required careful editing and attention to detail to correctly resolve.

The actual value of the MRL can have important consequences when computing basic occurrence statistics, such as the number or percent of samples or systems with detections of a given contaminant. For example, the lower the MRL, the greater the number of detections. Multiple MRLs arise because of many reasons. Improvement in analytical methods over time can result in a lowering of the MRL. Within reason, MRLs can even vary from laboratory to laboratory using the same method, or they can vary with sample batch, or for other reasons. There can be more dramatic variation of MRLs when different methods are used to quantify the same contaminant. Within the drinking water program, methods have become well standardized so this was not a major issue for this study, particularly for the SOCs and VOCs. However, the use of multiple MRLs within a State was not uncommon.

Another general data quality issue that can affect a large-scale summary of results is the different sampling schedules that may be used by different public water systems. A system with a known contaminant problem usually has to sample more frequently than a system that has never detected the contaminant. Obviously, the results of a simple computation of the percentage of analytical detections (or other statistics) can be skewed by the more frequent sampling results reported by the contaminated site. Therefore, this analysis is focused on occurrence at the system level (rather than on a total sample basis), which avoids the skewness inherent in the sample data, particularly over the multi-year period covered.

#### IV. STAGE 1 ANALYSIS

The initial step in estimating the occurrence of regulated contaminants, the Stage 1 analysis, develops general occurrence assessments which are more straightforward and conservative than the subsequent Stage 2 analysis. Stage 1 analyses were conducted on the compliance monitoring data sets from the initial eight cross-section States at the system-level. There are inherent vulnerability, occurrence pattern, and some regulatory differences between surface water-supplied and ground water-supplied PWSs, so separate analyses were generated for surface water (SW) systems and ground water (GW) systems. All of the Stage 1 findings are presented separately for the three contaminant groups (i.e., IOCs, SOCs, and VOCs). The contaminant group classifications relate partly to the contaminants’ sources, fate, and transport, to their chemical properties and general methods of laboratory analyses, and to regulatory requirements that vary somewhat according to these contaminant groupings. For IOC occurrence analyses, arsenic was not evaluated because it is being evaluated and addressed separately through the new arsenic rule. There were too few data to evaluate for asbestos (an IOC), nickel (an IOC), and dioxin (an SOC). Therefore, these contaminants were also excluded from the occurrence analyses.

Stage 1 analysis provides a conservative assessment of occurrence by simply counting the number of public water systems with *at least one analytical result* that exceeds a concentration equal to the MRL,  $\frac{1}{2}$  MCL, and the MCL for each particular contaminant. Hence, these Stage 1 analyses are essentially based on the single maximum analytical value recorded at each public water system. Assessed relative to MCLs, which reflect public health considerations for long-term exposure to contaminants in drinking water, the Stage 1 analyses are conservative—cautious regarding public health concerns—in the sense that they are descriptive statistics based on peak, rather than long-term mean, concentrations of contaminants. Estimates based on the population served by PWSs provides a “Stage 1” preliminary characteristic of exposure potential.

Following the Stage 1 analysis, the contaminants were then ranked, from highest to lowest, based on the percentage of systems with at least one analytical result greater than the MRL,  $\frac{1}{2}$  MCL, and the MCL for each particular contaminant. These rankings were conducted separately for the percent of systems and for the population served by those systems. The “highest ranking contaminants” were defined as being the contaminants which occur in the highest percentage of public water systems at a concentration greater than the MCL (“% > MCL”). The “lowest ranking concentrations” were defined as the contaminants which occur in the lowest percentage of public water systems at any concentration greater than the



Minimum Reporting Level (“% > MRL”). The high to low occurrence rank-ordering list of contaminants was then divided into quartiles. The “top quartile contaminants” were the upper 25 percent of the highest occurrence contaminants, and the “bottom quartile contaminants” were the lower 25 percent of the lowest occurrence contaminants. It should be noted that the different contaminant groups have different total numbers of contaminants so the respective quartiles contain different numbers of contaminants.

There are additional, more involved statistical methods that can be applied to analyze limited data, such as those comprising the cross-section State data sets. However, for these initial analyses, a simple approach was developed to be clear and repeatable, resulting in aggregate numbers that could be easily understood, and that would rank the occurrence of the contaminants, from high (frequent occurrence at levels greater than the MCL) to low (infrequent occurrence at any level greater than the MRL).

#### IV.A. Summary of Contaminant Occurrence Ranking Findings

Table IV.A.1 lists the Stage 1 analysis “high occurrence” contaminants, as based on the percent of systems and population served by all systems (served by ground water and/or surface water) with at least one analytical result greater than the MCL. The percent systems and percent population “> MCL” indicates the proportion of all cross-section State public water supply systems or population-served by systems with any analytical results exceeding the concentration value of the MCL. (Note: This does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four consecutive quarterly confirmation samples as required by the primacy States.) Most contaminants ranked as high occurrence based on the percent systems were also ranked as high occurrence based on the percent population served.

**Table IV.A.1. Stage 1 Analysis - High Occurrence Contaminants Ranked by MCL for All Systems in the Eight Cross-Section States**

Contaminant (MCL in mg/L)	Percent Systems > MCL	Contaminant (MCL in mg/L)	Percent Pop. Served by Systems > MCL
<b>Inorganic Chemicals</b>			
Fluoride (4.0)	1.41%	Fluoride (4.0)	7.31%
Cadmium (0.005)	0.69%	Chromium (0.1)	1.06%
Thallium (0.002)	0.45%	Cadmium (0.005)	0.54%
<b>Synthetic Organic Chemicals</b>			
Bis(2-ethylhexyl)phthalate <sup>1</sup> (0.006)	2.17%	Ethylene Dibromide (0.00005)	17.17%
1,2-Dibromo-3-chloropropane (0.0002)	1.95%	1,2-Dibromo-3-chloropropane (0.0002)	16.07%
Atrazine (0.003)	0.94%	Bis(2-ethylhexyl)phthalate <sup>1</sup> (0.006)	2.74%
Ethylene Dibromide (0.00005)	0.92%	Atrazine (0.003)	1.39%
Lindane (0.0002)	0.11%	Lindane (0.0002)	0.86%
Toxaphene (0.004)	0.09%	PCBs (0.0005)	0.49%
PCBs (0.0005)	0.08%	Endrin (0.002)	0.35%
<b>Volatile Organic Chemicals</b>			
Tetrachloroethylene (0.005)	1.18%	Tetrachloroethylene (0.005)	22.24%
Trichloroethylene (0.005)	0.94%	Trichloroethylene (0.005)	21.11%

Contaminant (MCL in mg/L)	Percent Systems > MCL	Contaminant (MCL in mg/L)	Percent Pop. Served by Systems > MCL
Dichloromethane <sup>2</sup> (0.005)	0.74%	Dichloromethane <sup>2</sup> (0.005)	15.00%
1,1-Dichloroethylene (0.007)	0.25%	1,2-Dichloroethane (0.005)	14.09%
Carbon Tetrachloride (0.005)	0.24%	1,1-Dichloroethylene (0.007)	13.59%
Benzene (0.005)	0.23%	Carbon Tetrachloride (0.005)	12.44%

1. The high occurrences of phthalate are, in part, considered false positives related to sample contamination by plastics and laboratory analytical problems.
2. The high occurrences of dichloromethane are, in part, considered to be false positives related to laboratory analytical problems.

Table IV.A.2 lists the Stage 1 analysis “low occurrence” contaminants, as based on the proportion of all cross-section State systems or population-served by systems with at least one analytical result exceeding the concentration value of the MRL. Note that the contaminant concentration value of a minimum reporting level is a characteristic of the analytical method employed to conduct the laboratory analysis for any particular contaminant. The actual analytical concentration of an MRL, therefore, generally differs for different contaminants. There can also be several different approved analytical methods for analysis of the same contaminant, and therefore, multiple MRLs for even a single contaminant. Given this, the occurrence measures presented in Table IV.A.2 are relative to the variable MRLs, with each MRL representing the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions. Most contaminants ranked as low occurrence based on the percent systems were also ranked as low occurrence based on the percent population served. These contaminants are indicated in italics.

**Table IV.A.2. Stage 1 Analysis - Low Occurrence Contaminants Ranked by MRL for All Systems in the Eight Cross-Section States**

Contaminant (MCL in mg/L)	Percent Systems > MRL	Contaminant (MCL in mg/L)	Percent Pop. Served by Systems > MRL
<b>Inorganic Chemicals</b>			
Antimony (0.006)	3.24%	Cyanide (0.2)	3.35%
Cyanide (0.2)	2.38%	Beryllium (0.004)	3.24%
Beryllium (0.004)	2.10%	Thallium (0.002)	2.29%
<b>Synthetic Organic Chemicals</b>			
PCBs (0.0005)	0.20%	PCBs (0.0005)	0.57%
Carbofuran (0.003)	0.16%	Heptachlor (0.0004)	0.34%
Carbofuran (0.04)	0.11%	Heptachlor Epoxide (0.0002)	0.16%
Glyphosate (0.7)	0.10%	Oxamyl (0.2)	0.10%
Oxamyl (0.2)	0.09%	Hexachlorobenzene (0.001)	0.09%
Chlordane (0.002)	0.05%	Glyphosate (0.7)	0.02%
Hexachlorobenzene (0.001)	0.04%	Chlordane (0.002)	0.01%
<b>Volatile Organic Chemicals</b>			

Contaminant (MCL in mg/L)	Percent Systems > MRL	Contaminant (MCL in mg/L)	Percent Pop. Served by Systems > MRL
1,2-Dichloropropane (0.005)	1.12%	1,4-Dichlorobenzene (0.075)	6.50%
1,2,4-Trichlorobenzene (0.07)	1.08%	o-Dichlorobenzene (0.6)	5.28%
1,1,2-Trichloroethane (0.005)	1.00%	Vinyl Chloride (0.002)	4.92%
trans-1,2-Dichloroethylene (0.1)	0.80%	1,2,4-Trichlorobenzene (0.07)	2.76%
Vinyl Chloride (0.002)	0.64%	Styrene (0.1)	2.69%

As mentioned above, Stage 1 analyses were also generated separately by ground water and surface source water type. The same lists of high and low occurrence contaminants (included in Tables IV.A.1 and IV.A.2) were determined by all the ranking approaches (i.e., ground water ranking, surface water ranking, or combined ground and surface water ranking) for the eight cross-section States data sets. See Appendix A for summary tables of Stage 1 occurrence findings for all regulated contaminants. For a detailed review of the Stage 1 analytical approach and a presentation of the complete Stage 1 analytical findings, please refer to the report titled *First Stage Occurrence and Exposure Report for Six-Year Review* (Cadmus 2000).

Fluoride was consistently ranked as the highest occurrence IOC on most of the various ranking approaches. Chromium and cadmium were also consistently ranked high in many of the ranking approaches. Antimony and mercury were occasionally ranked with high occurrence.

For low occurrence of IOCs, beryllium was the most consistent contaminant of low ranking occurrence. Antimony, cyanide and thallium were also commonly ranked as low occurrence contaminants using the various ranking approaches.

Note there are seemingly contradictory occurrence findings for antimony because it occurs on both the high occurrence list and the low occurrence list. However, these two occurrence measures are valid. In the case of antimony, the MCL is relatively close to the MRL, so when an analytical concentration is detected for antimony (above the MRL), the detection is likely to also be above the MCL. Antimony is detected relatively infrequently compared to other IOCs; its presence is infrequently identified above the MRL making it a “low occurrence contaminant.” Yet on those few occasions when antimony is detected, it is often detected at concentrations greater than the MCL. A large proportion of antimony results exceed its MCL, relative to the other IOCs’ detections exceeding their respective MCLs. By this measure, antimony is also considered a “high occurrence contaminant.” This apparent occurrence contradiction is also possible in the findings for several other contaminants (e.g., the VOC vinyl chloride). These subtle differences in occurrence measures must be noted when considering what type of occurrence assessment and conclusions are to be made.

Ethylene dibromide (EDB), 1,2-dibromo-3-chloropropane (DBCP), and bis(2-ethylhexyl)phthalate (DEHP) were consistently ranked as the highest occurrence SOCs on most of the ranking approaches. The next most frequent contaminant was atrazine, which was ranked high in many of the ranking approaches. (Atrazine occurrence is being considered separately under other occurrence and exposure analyses.) This was followed by benzo(a)pyrene, diquat, and endrin, which were occasionally ranked with high occurrence. The high occurrences of phthalate are, in part, considered false positives related to sample contamination by plastics and laboratory analytical problems.<sup>5</sup>

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<sup>5</sup> The false positive issue was informally evaluated. The issue was discussed with several national laboratories, and available State occurrence data were evaluated over time. The opinions of the laboratory staff contacted corresponded to the evaluation of the occurrence data; there appears to be no distinct time period or date after which phthalate occurrence data can clearly be considered free of false positives.

Carbofuran, glyphosate, chlordane, oxamyl, hexachlorocyclopentadiene, carbofuran, hexachlorobenzene, and PCBs were consistently ranked as the lowest occurrence SOCs.

Dichloromethane, tetrachloroethylene, and trichloroethylene were consistently ranked as the highest occurrence VOCs on most or all of the separate ranking approaches. The next most frequent contaminant was 1,1-dichloroethylene which was ranked high in many of the ranking approaches. This was followed by carbon tetrachloride, 1,1,1-trichloroethane, and, to a lesser degree, vinyl chloride and 1,4-dichlorobenzene, which were occasionally ranked with high occurrence. Note that the high occurrences of dichloromethane are, in part, considered false positives related to laboratory analytical problems.

For low occurrence of VOCs, 1,2-dichloropropane, 1,2,4-trichlorobenzene, vinyl chloride, styrene, and o-dichlorobenzene were the most consistent contaminants of low rank occurrence based on the various ranking approaches.

#### **IV.B. Comparison of State Data and URCIS Stage 1 Findings**

As an additional evaluation of the national “representativeness” of the initial eight cross-section States, occurrence analyses from the cross-section States’ were compared to similar occurrence analyses aggregated from another cross-section of compliance monitoring data - the Unregulated Contaminant Information System (URCIS) 24-State Cross-Section. The URCIS data set includes information on sixty regulated and unregulated VOCs, and two regulated SOCs from a total of 40 U.S. States or Territories. A group of 24 URCIS States was selected from the URCIS database, using the same cross-section development approach described in Section II. The majority of the data are from the first round of required unregulated contaminant monitoring from 1987 through 1992. It is important to note that because of the age of the data, in relation to rapid improvements made in data processing systems, the quality of data received by EPA for URCIS is highly variable. For a detailed description of the URCIS rankings, please refer to Section 4.5, in *First Stage Occurrence and Exposure Report for Six-Year Review* (Cadmus 2000).

The URCIS data are from an earlier time period than are the data for this current. The URCIS data also are largely limited to occurrence monitoring results for VOCs. Nonetheless, in aggregation, the comparison to the URCIS data provides an additional evaluation of the use of the cross-section States for broad occurrence assessments indicative of national occurrence. The comparison is qualitative, but still provides information for comparative assessments of, for example, the relative occurrence of the different VOCs across different time periods and different (yet presumably nationally-balanced) cross-sections of States.

URCIS VOC occurrence findings were ranked according to systems and population served, and then compared to the initial eight cross-section State data occurrence findings for VOCs. A general summary of the determined high and low occurrence contaminants based on these rankings is described below.

High and low contaminant occurrence rankings, based on the number of systems and population served, were conducted separately for surface water-supplied and ground water-supplied systems using URCIS Round 1 data from a group of 24 States. Generally, there was agreement between the findings of high and low occurrence contaminants for both systems and population served rankings and for surface and ground water systems. The URCIS rankings were also in general agreement with the rankings of the eight cross-section States’ data. Again, please note that the high occurrences of dichloromethane are, in part, considered false positives related to analytical problems.

The high occurrence VOCs common to *both* surface and ground water systems ranked by the proportion of systems with at least one analytical result greater than the MCL were 1,1-dichloroethylene, dichloromethane, tetrachloroethylene, and trichloroethylene. The low occurrence VOCs common to *both* surface and ground water systems ranked by proportion of systems were vinyl chloride, o-dichlorobenzene, and 1,2,4- trichlorobenzene.

Based on the proportion of population served by systems with at least one analytical result greater than the MCL, the high occurrence VOCs common to *both* surface and ground water systems were

1,1-dichloroethylene, dichloromethane, tetrachloroethylene, and trichloroethylene. The low occurrence VOCs common to *both* surface and ground water systems ranked by population served were styrene and 1,2,4- trichlorobenzene.

As an additional comparison, tetrachloroethylene Stage 1 occurrence findings from the URCIS 24-State cross-section were directly compared to the 8-State cross-section tetrachloroethylene findings. While URCIS does contain data on other regulated VOCs, tetrachloroethylene was selected for this comparison because of its relatively large amount of occurrence data and analytical detections. Generally, the findings for the other VOCs in URCIS were consistent with the 8-State cross-section. As Table IV.B.1 illustrates, the percent of systems and population served by systems estimated to exceed each threshold was comparable for both cross-sections, though the 8-State cross-section occurrence findings were consistently higher than those based on URCIS data. A relatively small percentage of systems had any analytical results that exceeded the MCL and ½ MCL for both cross-sections (less than 3 percent for ground water and/or surface water).

The percentages of population served by systems with at least one analytical result of tetrachloroethylene exceeding the MCL, ½ MCL, and MRL were also comparable. The proportion of population served by ground water systems in the 8-State cross-section that exceeded the MCL, ½ MCL, and MRL equaled 32%, 37%, and 47%, respectively. This compares to approximately 18%, 25%, and 34% of population served by systems in the URCIS 24-State cross-section that had at least one analytical result greater than the MCL, ½ MCL, and MRL, respectively. The proportion of population served by surface water systems exceeding each threshold also compares favorably between each cross-section. A relatively small percentage of population served by systems had any analytical results that exceeded the MCL and ½ MCL for both cross-sections (less than 5 percent for either cross-section). However, there is a much greater percentage of population served by surface water systems with any analytical detections (> MRL) for both cross-sections.

**Table IV.B.1. Stage 1 Analysis Comparison of Tetrachloroethylene Occurrence in Different Cross-Sections**

Source Water Type	Threshold	Percent of Systems Exceeding Threshold		Percent of Population Served by Systems Exceeding Threshold	
		Initial 8-State Cross-Section	URCIS 24-State Cross-Section	Initial 8-State Cross-Section	URCIS 24-State Cross-Section
Ground Water	MCL	1.2%	0.9%	32.1%	17.7%
	½ MCL	1.9%	1.5%	37.3%	25.3%
	MRL	4.5%	3.4%	46.7%	33.7%
Surface Water	MCL	1.7%	0.7%	3.2%	2.1%
	½ MCL	2.9%	1.0%	4.9%	3.5%
	MRL	8.7%	2.7%	29.0%	17.5%

The MCL for tetrachloroethylene is 0.005 mg/L. One-half the MCL is 0.0025 mg/L. The MRL is variable.

## V. FULL SIXTEEN STATE DATA SETS AND CROSS-SECTION

The coverage suggests that the initial eight cross-section State data sets are indicative of national occurrence and the aggregate size of the data sets is substantial (representing approximately 10 million analytical results from nearly 22,000 PWSs). Nonetheless, the addition of data from other States would

contribute to more nationally representative occurrence analyses and greater confidence in the conclusions derived from the analyses.

Consideration was first made regarding the expanded use of State data sets that were already in hand (i.e., the 6 data sets not used in the initial 8-State cross-section). For example, Indiana's data set had been previously volunteered, and was available for use. The data set, which is quite complete and of satisfactory quality, was carefully considered for addition to the national cross-section (as long as other State data sets were added from other quartiles for balance). The other five States, however, were not usable for expanding the national cross-section of State data. For instance, Iowa had an adequate and complete data set,<sup>6</sup> but using Iowa data would over-represent the Midwestern "Cornbelt" States, with Illinois and possibly Indiana (see above) already included in the national cross-section of State data. The other four data sets were in-hand (specifically Kansas, Massachusetts, Missouri, and Ohio) were incomplete, biased, or not functionally suitable for expanding the national cross-section.

The acquisition of additional State data sets to expand the national cross-section in a balanced and representative way was conducted using the same pollution potential quartile distribution and geographic diversity criteria that were used to develop the balanced and representative initial 8-State cross-section. As with the selection of the initial 8 cross-section States, consideration of the additional cross-section States was based primarily on the ranking indicator of the number of manufacturing establishments per square mile, but total farm agricultural expenditures and TRI releases were also considered to insure that the occurrence data from the selected States were, collectively, representative or indicative of national occurrence.

Maintaining a geographic balance, to the extent possible, also contributes to an aggregate data set that is more representative of the variety of geographic conditions present nationally. Regarding this balance, further representation from the New England area, the southeast and south-central States would contribute to balancing an expanded national coverage. Based on the consideration of States' pollution potential rankings, how they best fit into the quartile distribution, and how their spatial or geographic coverage contributed to a representative national cross-section of States, the States considered for addition to the national cross-section contaminant occurrence data set were:

- Quartile 1) Rhode Island, Pennsylvania, Florida;
- Quartile 2) Indiana, New Hampshire, Tennessee, South Carolina, Vermont;
- Quartile 3) Kentucky, Minnesota, Texas, Mississippi, West Virginia, Oklahoma; and
- Quartile 4) Utah, Nebraska, South Dakota.

As new State data sets were added to the initial group of eight cross-section States, the data sets were added in specific groups to further build the cross-section sample in a balanced manner. Based on data availability and quality, the additional group of eight States added to the cross-section were: Florida - Quartile 1; Indiana, South Carolina, and Vermont - Quartile 2; Kentucky, and Texas - Quartile 3; Nebraska, and South Dakota - Quartile 4. A summary of these additional eight State data sets is presented in Table V.1.

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<sup>6</sup> For the CMR Report, contaminant occurrence results from Iowa were included, but the Iowa data set was not directly used. Iowa has a published report that provided the necessary occurrence figures, which provided occurrence information without conducting additional analyses. Therefore, the actual Iowa data set has not yet been procured, but likely could be, if necessary.

**Table V.1. Additional State Data Sets Used for Analyses**

State	Contaminant Groups Represented <sup>1</sup>	Number of Analytical Results	Number of PWSs Represented	Time Period <sup>2</sup>
<b>Florida</b>	IOCs, SOCs, VOCs	713,543	6,297	1993-1997
<b>Indiana</b>	IOCs, SOCs, VOCs, O	257,428	1,488	1982-1997
<b>Kentucky</b>	IOCs, SOCs, VOCs, O	177,070	570	1993-1997
<b>Nebraska</b>	IOCs, SOCs, VOCs	189,959	1,555	1993-1999
<b>South Carolina</b>	IOCs, SOCs, VOCs	501,286	2,352	1989-2000
<b>South Dakota</b>	IOCs, SOCs, VOCs	55,526	965	1990-2000
<b>Texas</b>	IOCs, SOCs, VOCs	947,615	5,350	1990-2000
<b>Vermont</b>	IOCs, SOCs, VOCs, O	248,438	873	1987-2000
<b>Total</b>	<b>IOCs, SOCs, VOCs, O</b>	<b>3,090,865</b>	<b>19,450</b>	<b>1982-2000</b>

1) IOCs = the 13 regulated inorganic chemicals; SOCs = the 30 regulated synthetic organic chemicals; VOCs = the 21 regulated volatile organic chemicals; O = Other regulated or unregulated chemicals.

2) Data from 1999 and 2000 were excluded from analysis. Most data sets contained complete data only through 1998.

Table V.2 shows quartile rankings for the 16 States contained in the national cross-section. Figure V.2 shows the distribution of the initial eight cross-section States included with the additional eight cross-section States. The distribution is broad and relatively uniform across all four quartiles (columns) of the manufacturing pollution potential indicators and across all four quartiles (rows) of the agriculture pollution potential indicators. Note that the manufacturing pollution potential indicator was the primary ranking factor with agricultural and TRI indicators considered in a secondary sense. Figure V.3 is a map illustrating the geographic distribution of the initial eight cross-section States, as well as the additional eight cross-section States. Together, the 16 States provide a broad representation of the geologic, hydrologic, and climatic variability across the United States.

**Table V.2. National Cross-Section States with Ranking of Pollution Potential Indicators**

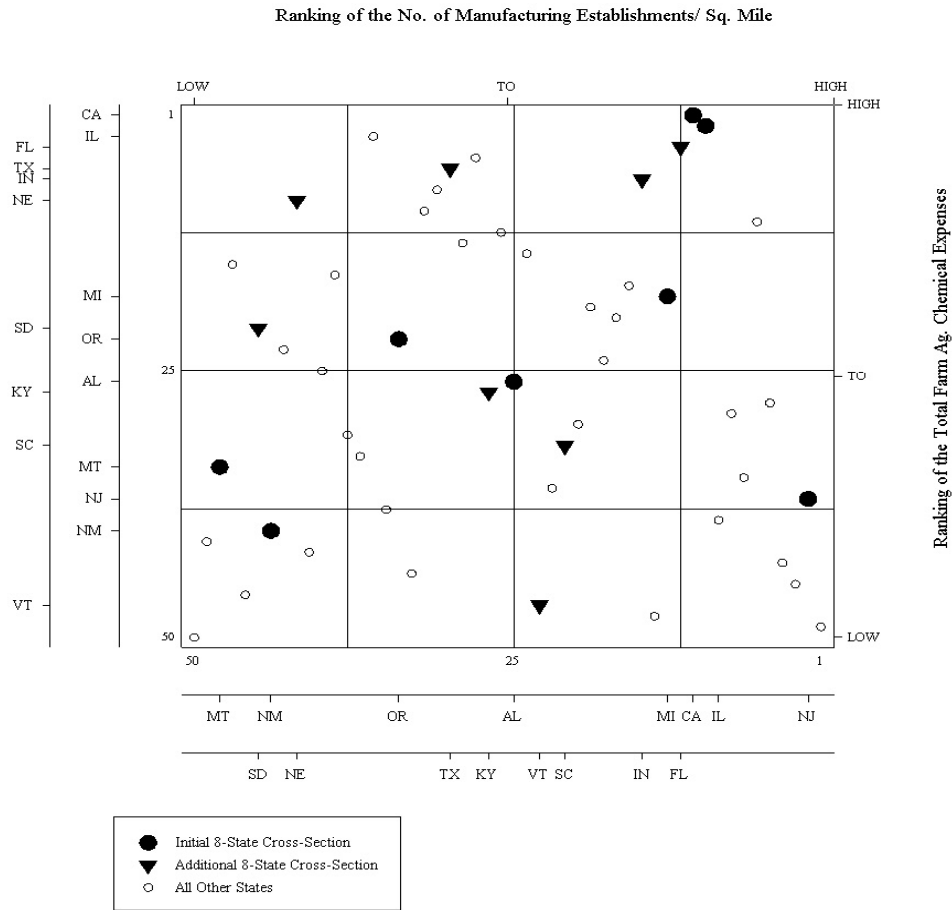
Quartiles for Rank-Order of All States Based on Manufacturing Ranking	States in 16-State National Cross-Section	National Ranking of Pollution Potential Indicators		
		Manufacturing <sup>1</sup>	Agriculture <sup>2</sup>	TRI Releases <sup>3</sup>
1	NJ	2	37	8
	IL	10	2	11
	CA	11	1	38
	<b>FL</b>	<b>12</b>	<b>4</b>	<b>13</b>
2	MI	13	18	16
	IN	<b>15</b>	7	<b>6</b>
	SC	<b>21</b>	<b>32</b>	<b>10</b>
	<b>VT</b>	<b>23</b>	<b>47</b>	<b>45</b>
	AL	25	26	7
3	<b>KY</b>	<b>27</b>	<b>27</b>	<b>21</b>
	<b>TX</b>	<b>30</b>	<b>6</b>	<b>20</b>
	OR	34	22	39
4	<b>NE</b>	<b>42</b>	<b>9</b>	<b>41</b>
	NM	44	40	40
	<b>SD</b>	<b>45</b>	<b>21</b>	<b>49</b>
	MT	48	34	34

The additional eight cross-section States are listed in bold.

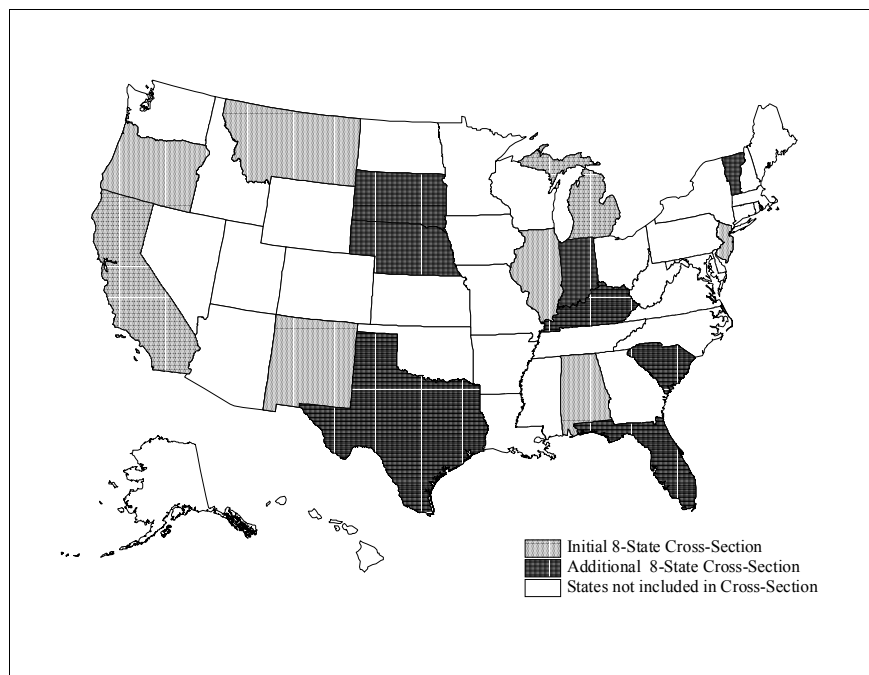
- 1) "Manufacturing" = the number of manufacturing facilities per square mile
- 2) "Agriculture" = total expenditures on farm agricultural chemicals
- 3) "TRI" = TRI releases (in total pounds) per square mile



**Figure V.2. Distribution of State Ranking for Manufacturing Establishments/ Sq. Mile vs. Farm Ag. Chemical Expenses (Highlighting Initial 8 & Additional 8 Cross-Section States)**



**Figure V.3. Map of the 16 Cross-Section States**



#### **V.A. Data Use and Editing**

Similar to the initial eight cross-section States, a considerable amount of data editing was necessary for the additional eight cross-section States. Each data set was reviewed to ensure it contained the basic data elements necessary to conduct a consistent analysis for this study. These elements were reviewed with State contacts to ensure consistent and appropriate interpretations. Once data quality issues were resolved, each data set was converted into a consistent format.

A common data quality issue associated with the additional eight States involved data that appeared to have been recorded or mislabeled in incorrect units. In many State databases, analytical results are presented as integers in one column with a corresponding column to identify how many decimal points are associated with that integer. Because these data are often entered manually by a data entry person, there is a large potential for error. If the “decimal point” column is incorrectly entered, the analytical results are recorded in the data set in the wrong units. In many cases, detailed double-checking with the analytical results for similar contaminants in other States showed that the analytical results appeared to be incorrect (either too low or too high) by a factor of 1,000. The interpretation was that the data were mistakenly recorded in micrograms per liter ( $\mu\text{g/L}$ ) in the database, but actually represented data in milligrams per liter ( $\text{mg/L}$ ) (or vice versa). These data corrections were somewhat straightforward after identifying, reviewing, and cross-checking the analytical results. The criteria for excluding outliers required the evaluation of each individual analytical result. Other data that appeared to be in incorrect units, but were not off by the typical factor of 1,000, were either left in the database or excluded from analysis, depending on how much of an outlier it appeared to be.

Values evaluated were both high and low value outliers. Therefore, by removing incorrect values, both large and small questionable values were removed. Less than 0.02 percent of the total number records were identified as analytical results recorded in the incorrect units. Less than 0.25 percent of the analytical results were identified and changed to non-detections. Of the total number of records excluded from analysis, only 0.002 percent of the total data were removed as suspected or confirmed outliers.

## V.B. Comparison of 8-State vs. 16-State National Cross-Sections

To further evaluate the representativeness of the cross-section, occurrence analyses from the 8-State cross-section were compared to occurrence analyses from the 16-State cross-section. The percent of systems (and population served by systems) with at least one analytical result greater than the MCL and MRL in the eight States were compared to the same measures for the 16-State cross-section. The 8-State and 16-State Stage 1 findings were quite similar. Generally, the contaminants found with high, medium or low relative occurrence based on the 8-State Stage 1 analyses were the same contaminants with high, medium or low occurrence, respectively, based on the 16-State data set. The ranking from highest to lowest occurrence was not identical in the 8-State and 16-State data sets but, for this simple non-parametric evaluation, the dissimilarities were small.

Table V.B.1 compares the 8-State and 16-State cross-sections based on the percent of systems with at least one analytical results greater than the MRL or MCL. The percentages are generally consistent between the two cross-sections. For the SOCs and VOCs, the proportion of systems with analytical detections (i.e., “% Systems > MRL”) is generally higher for the 8-State cross-section than the 16-State cross-section. With the exception of a few contaminants, the proportion of systems with at least one analytical result greater than the MCL (i.e., “% Systems > MCL”) is also higher for the 8-State cross-section than the 16-State cross-section.

The greatest discrepancy between the 8-State and 16-State proportion of systems with analytical detections is seen in the contaminant cyanide. The 16-State percentage of systems with analytical detection of cyanide is almost 8 times greater than the 8-State percentage of systems with analytical detection of cyanide. Based on the proportion of systems with at least one analytical result greater than the MCL, the greatest discrepancy between the 8-State and 16-State cross-section is seen in the contaminant diquat. The percentage of systems in the 8 States with at least one analytical result greater than the MCL for diquat is almost three times greater than the percentage of systems in the 16 States with at least one analytical result greater than the MCL for diquat.

**Table V.B.1. Comparison of Stage 1 Analyses for 8-State vs. 16-State National Cross-Sections Based on the Percent of Systems**

Contaminant	MCL (mg/L)	% Systems > MRL		% Systems > MCL	
		8 States	16 States	8 States	16 States
<b>Inorganic Chemicals</b>					
Antimony	0.006	3.25%	14.4%	0.416%	0.623%
Barium	2	49.7%	71.2%	0.25%	0.174%
Beryllium	0.004	1.80%	3.32%	0.295%	0.217%
Cadmium	0.005	5.14%	17.6%	0.741%	0.544%
Chromium	0.1	16.8%	18.3%	0.214%	0.127%
Cyanide	0.2	2.27%	17.0%	0.234%	0.167%
Fluoride	4	81.0%	83.8%	1.04%	1.28%
Mercury	0.002	5.69%	17.3%	0.336%	0.263%
Selenium	0.05	9.27%	22.1%	0.164%	0.107%
Thallium	0.002	2.49%	4.22%	0.295%	0.679%

Contaminant	MCL (mg/L)	% Systems > MRL		% Systems > MCL	
		8 States	16 States	8 States	16 States
<b>Synthetic Organic Chemicals</b>					
Alachlor	0.002	0.911%	0.670%	0.000%	0.000%
Atrazine	0.003	3.89%	3.83%	1.01%	0.676%
Benzo(a)pyrene	0.0002	0.407%	0.443%	0.0479%	0.0531%
Bis(2-ethylhexyl)adipate	0.4	6.56%	7.31%	0.000%	0.00944%
Bis(2-ethylhexyl)phthalate	0.006	12.0%	12.5%	1.97%	2.20%
Carbofuran	0.04	0.103%	0.0646%	0.000%	0.000%
Chlordane	0.002	1.81%	1.19%	0.0134%	0.00637%
2,4-D	0.07	0.0580%	0.121%	0.000%	0.0152%
Dalapon	0.2	1.66%	1.10%	0.000%	0.000%
1,2-Dibromo-3-chloropropane	0.0002	2.31%	1.61%	1.49%	0.912%
Dinoseb	0.007	0.457%	0.237%	0.0305%	0.0203%
Diquat	0.02	0.915%	0.491%	0.0590%	0.0218%
Endothall	0.1	0.238%	0.151%	0.0297%	0.0348%
Endrin	0.002	0.347%	0.179%	0.0533%	0.0247%
Ethylene Dibromide	0.0000	1.02%	1.06%	0.768%	0.724%
Glyphosate	0.7	0.0687%	0.102%	0.000%	0.000%
Heptachlor	0.0004	0.195%	0.0842%	0.0177%	0.00702%
Heptachlor Epoxide	0.0002	0.199%	0.0920%	0.0362%	0.0283%
Hexachlorobenzene	0.001	0.0367%	0.0928%	0.000%	0.00714%
Hexachlorocyclopentadiene	0.05	0.951%	0.891%	0.000%	0.000%
Lindane	0.0002	0.279%	0.162%	0.0798%	0.0373%
Methoxychlor	0.04	0.230%	0.193%	0.0136%	0.00622%
Oxamyl	0.2	0.0793%	0.0760%	0.000%	0.000%
PCBs	0.0005	0.202%	0.0894%	0.0865%	0.0335%
Pentachlorophenol	0.001	0.781%	0.431%	0.0459%	0.0270%
Picloram	0.5	0.812%	0.411%	0.000%	0.000%
Simazine	0.004	3.02%	1.80%	0.103%	0.0550%
Toxaphene	0.003	0.156%	0.0797%	0.0173%	0.00724%
2,4,5-TP	0.05	0.658%	0.399%	0.000%	0.000%
<b>Volatile Organic Chemicals</b>					
Benzene	0.005	1.54%	1.31%	0.235%	0.189%
Carbon Tetrachloride	0.005	2.37%	1.99%	0.254%	0.204%
1,4-Dichlorobenzene	0.075	2.28%	1.76%	0.000%	0.000%

Contaminant	MCL (mg/L)	% Systems > MRL		% Systems > MCL	
		8 States	16 States	8 States	16 States
o-Dichlorobenzene	0.6	1.13%	0.608%	0.000%	0.000%
1,2-Dichloroethane	0.005	1.70%	1.31%	0.188%	0.126%
1,1-Dichloroethylene	0.007	2.03%	1.58%	0.301%	0.236%
cis-1,2-Dichloroethylene	0.07	1.96%	1.37%	0.0194%	0.0305%
trans-1,2-Dichloroethylene	0.1	0.838%	0.526%	0.000%	0.000%
Dichloromethane	0.005	14.5%	8.59%	0.896%	0.669%
1,2-Dichloropropane	0.005	1.12%	0.673%	0.117%	0.0682%
Ethylbenzene	0.7	2.52%	3.62%	0.000%	0.000%
Monochlorobenzene	0.1	1.30%	0.748%	0.000%	0.000%
Styrene	0.1	1.49%	0.988%	0.000%	0.000%
Tetrachloroethylene	0.005	5.12%	3.36%	1.30%	0.778%
Toluene	1	4.57%	4.73%	0.000%	0.000%
1,2,4-Trichlorobenzene	0.07	0.953%	0.610%	0.000%	0.000%
1,1,1-Trichloroethane	0.2	3.83%	2.50%	0.0166%	0.00811%
1,1,2-Trichloroethane	0.005	1.21%	0.619%	0.0804%	0.0404%
Trichloroethylene	0.005	3.97%	2.61%	1.00%	0.647%
Vinyl Chloride	0.002	0.673%	0.606%	0.0914%	0.110%
Xylenes (Total)	10	4.86%	4.16%	0.000%	0.000%

Note: All percentages are shown to three significant figures.

Table V.B.2 compares the 8-State and 16-State cross-sections based on the percent of population served by systems. The percentages are generally consistent between the two cross-sections. For the IOCs, the proportion of population served by systems “> MRL” is always smaller for the 8-State cross-section than the 16-State cross-section. For the SOCs, the proportion of population served by systems “> MRL” and “> MCL” is generally higher for the 8-State cross-section than the 16-State cross-section. For the VOCs, the proportion of population served by systems “> MRL” and “> MCL” is always higher for the 8-State cross-section than the 16-State cross-section.

The greatest discrepancy between the 8-State and 16-State proportion of population served by systems with analytical detections is seen in the contaminant chlordane. The 16-State percentage of systems with analytical detection of chlordane is about 12 times the 8-State percentage of systems with analytical detection of chlordane. Based on the proportion of systems with at least one analytical result greater than the MCL, the greatest discrepancy between the 8-State and 16-State cross-section is seen in the contaminant endothall. The percentage of systems in the 16 States with at least one analytical result greater than the MCL for endothall is approximately 34 times the percentage of systems in the 8 States with at least one analytical result greater than the MCL for endothall.

**Table V.B.2. Comparison of Stage 1 Analyses for 8-State vs. 16-State National Cross-Sections Based on the Percent of Population Served by Systems**

Contaminant	MCL (mg/L)	% Population Served by Systems > MRL		% Population Served by Systems > MCL	
		8 States	16 States	8 States	16 States
<b>Inorganic Chemicals</b>					
Antimony	0.006	4.03%	14.5%	0.210%	0.234%
Barium	2	82.3%	84.1%	0.346%	0.309%
Beryllium	0.004	3.26%	6.65%	0.098%	0.621%
Cadmium	0.005	5.84%	14.9%	0.537%	1.56%
Chromium	0.1	26.6%	28.7%	1.01%	0.666%
Cyanide	0.2	3.34%	10.7%	0.246%	0.399%
Fluoride	4	96.2%	96.9%	6.84%	4.56%
Mercury	0.002	6.01%	21.6%	0.391%	0.275%
Selenium	0.05	7.59%	22.8%	0.506%	0.309%
Thallium	0.002	2.26%	6.49%	0.144%	1.85%
<b>Synthetic Organic Chemicals</b>					
Alachlor	0.002	1.31%	2.55%	0.000%	0.00%
Atrazine	0.003	11.9%	16.1%	1.39%	2.99%
Benzo(a)pyrene	0.0002	0.988%	1.39%	0.294%	0.243%
Bis(2-ethylhexyl)adipate	0.4	9.87%	6.66%	0.000%	0.0292%
Bis(2-ethylhexyl)phthalate	0.006	32.6%	28.0%	2.74%	3.19%
Carbofuran	0.04	0.938%	0.541%	0.000%	0.00%
Chlordane	0.002	0.0133%	0.164%	0.000%	0.000477%
2,4-D	0.07	3.12%	2.76%	0.189%	0.117%
Dalapon	0.2	2.20%	1.86%	0.000%	0.00%
1,2-Dibromo-3-chloropropane	0.0002	18.4%	13.5%	16.3%	11.3%
Dinoseb	0.007	0.665%	0.432%	0.0278%	0.0252%
Diquat	0.02	0.984%	0.764%	0.325%	0.208%
Endothall	0.1	0.703%	0.505%	0.00127%	0.0429%
Endrin	0.002	1.68%	1.30%	0.352%	0.206%
Ethylene Dibromide	0.00005	18.5%	13.5%	17.0%	12.3%
Glyphosate	0.7	0.0214%	0.0402%	0.000%	0.00%
Heptachlor	0.0004	0.336%	0.191%	0.000699%	0.000398%
Heptachlor Epoxide	0.0002	0.157%	0.101%	0.0306%	0.0226%
Hexachlorobenzene	0.001	0.0924%	0.329%	0.000%	0.0399%

Contaminant	MCL (mg/L)	% Population Served by Systems > MRL		% Population Served by Systems > MCL	
		8 States	16 States	8 States	16 States
Hexachlorocyclopentadiene	0.05	3.54%	2.28%	0.000%	0.00%
Lindane	0.0002	1.03%	0.744%	0.852%	0.497%
Methoxychlor	0.04	1.36%	1.06%	0.215%	0.125%
Oxamyl	0.2	0.098%	0.166%	0.000%	0.00%
PCBs	0.0005	0.568%	0.338%	0.494%	0.293%
Pentachlorophenol	0.001	1.70%	1.24%	0.00128%	0.000761%
Picloram	0.5	0.970%	0.584%	0.000%	0.00%
Simazine	0.004	9.51%	11.2%	0.0663%	0.0471%
Toxaphene	0.003	1.47%	0.851%	0.230%	0.131%
2,4,5-TP	0.05	1.57%	1.08%	0.000%	0.000%
<b>Volatile Organic Chemicals</b>					
Benzene	0.005	17.4%	12.0%	0.701%	0.518%
Carbon Tetrachloride	0.005	19.7%	14.8%	12.4%	7.35%
1,4-Dichlorobenzene	0.075	6.50%	4.38%	0.000%	0.000%
o-Dichlorobenzene	0.6	5.22%	2.30%	0.000%	0.000%
1,2-Dichloroethane	0.005	19.3%	12.3%	14.1%	8.40%
1,1-Dichloroethylene	0.007	24.1%	16.0%	13.6%	8.68%
cis-1,2-Dichloroethylene	0.07	24.8%	18.2%	0.0725%	0.247%
trans-1,2-Dichloroethylene	0.1	16.8%	10.5%	0.000%	0.000%
Dichloromethane	0.005	44.0%	28.6%	15.0%	9.50%
1,2-Dichloropropane	0.005	17.9%	11.1%	1.30%	1.18%
Ethylbenzene	0.7	18.3%	16.6%	0.000%	0.000%
Monochlorobenzene	0.1	7.64%	5.54%	0.000%	0.000%
Styrene	0.1	2.69%	2.08%	0.000%	0.000%
Tetrachloroethylene	0.005	36.3%	27.2%	22.2%	13.5%
Toluene	1	26.2%	22.0%	0.000%	0.000%
1,2,4-Trichlorobenzene	0.07	2.75%	1.96%	0.000%	0.000%
1,1,1-Trichloroethane	0.2	30.3%	20.2%	0.0733%	0.0432%
1,1,2-Trichloroethane	0.005	16.7%	10.4%	11.8%	6.97%
Trichloroethylene	0.005	37.3%	24.9%	21.1%	13.3%
Vinyl Chloride	0.002	4.89%	3.81%	2.64%	1.86%
Xylenes (Total)	10	31.0%	24.0%	0.000%	0.000%

Note: All percentages are shown to three significant figures.

The occurrence findings in Tables V.B.1 and V.B.2 are broadly consistent between the two cross-sections regarding contaminant occurrence rankings and “orders of magnitude” values. The 16-State cross-section contains twice as much data as the 8-State cross-section while also covering a broader range geographically and across pollution potential indicators. Therefore, all additional analyses were conducted on the 16-State cross-section.

## VI. STAGE 2 ANALYSIS

Stage 1 analysis is based on the proportion of systems with *at least one analytical result* greater than a specified threshold. Stage 2 analysis, however, is based on the proportion of systems with *a mean concentration value* greater than a specified threshold. Thus, the Stage 1 analysis roughly assesses “peak” contaminant concentrations in public water systems while the Stage 2 analyses roughly assess “long-term” contaminant concentrations in public water systems. Stage 1 analysis are generally reported as “less than MRL” rather than as actual numerical values. The numerical concentration value of a non-detection lies somewhere between zero and the specified Minimum Reporting Level. (The Minimum Reporting Level represents the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.) Historically, three approaches have been commonly used to determine the mean of such data: assume non-detection data are equal to zero, assume all non-detection data are equal to half the MRL, or assume all non-detection data are equal to the MRL. An arithmetic mean is then calculated using these fabricated numbers together with values above the MRL. While these methods are widely used, they all “introduce a bias and result in erroneous estimates of the mean and standard deviation” (Porter et. al., as cited in Travis and Land, 1990). Setting all non-detections equal to zero likely underestimates the true analytical value of the sample, and setting all non-detections equal to the MRL or half the MRL likely over estimates the true analytical value.

### VI.A. Preparation of State Data for the Stage 2 Analysis

The contaminant occurrence rankings (described in Section IV) provided a preliminary means by which EPA began to assess the occurrence of regulated contaminants considered for Six-Year Review. The subsequent Stage 2 analyses were more rigorous and required several intermediate data management and analysis steps prior to conducting any parametric statistical analyses. A summary of the data editing necessary to enable Stage 2 analysis is described below.

As previously noted, no IOC data were originally available from the State of Michigan. As part of the preparation for Stage 2 analysis, Michigan State data management staff were contacted. Compliance monitoring data were acquired for fluoride, beryllium, chromium, mercury, and thallium. The data were checked and edited for quality, and were added to the cross-section data set.

Once the 16-State cross-section was established (including Michigan IOC data), the data still required further computational manipulation prior to estimating national occurrence. Because the Stage 2 analysis generates mean concentration values for each system, this analysis is affected by all observations including non-detections and detections. Therefore, each analytical record for each contaminant had to be checked to prepare the data for Stage 2 analysis. Many data quality issues appeared that were not discovered in the first round of data quality review. For example, South Dakota data contained 91 analytical detections for beryllium. Fifty-six of these detections were equal to 0.0005. It is very unusual to have such a large proportion (62 percent) of analytical detections all equal to the same value. Because 0.0005 mg/L is well below the MCL for beryllium (0.004 mg/L), these data would not affect Stage 1 analysis. However, so many analytical results equal to the same concentration value would greatly influence the mean concentration value used in Stage 2 analysis. After consultation with State data management staff in South Dakota, it was determined that these analytical results were actually non-detections. Apparently, the values were simply entered into the database at the MRL, and no flag was included to specify whether the result was a detection or non-detection.

Decisions also had to be made on how to quantitatively include non-detection data. Some States record the MRL in the analytical result column and also include a “<” in a corresponding column to flag the record as a non-detection. Other States simply include a zero in the analytical result column to signify a



non-detection. Although non-detection data were not a concern in the Stage 1 analysis, they pose a problem within Stage 2 analysis where mean concentration values are estimated for each system. In order to estimate a mean concentration value for each system, a non-zero MRL must be included for all analytical results that were reported either as zero or alphanumerically as “non-detection” or “ND,” etc. (The method used to estimate mean concentration values for each system is described in Section VI.D) A convention was developed to set all such records equal to “less-than” the State’s non-zero modal MRL. However, for the States that set all non-detections equal to zero, the non-detections were set equal to “less than” the non-zero modal MRL for all 16 States. (Note: This is not the same type of substitution method described in the first paragraph of this Section. When non-detection values are set equal to the non-zero modal MRL, they are still considered “less-than” that non-zero modal MRL. The substitution method mentioned early simply set the non-detection values equal to the MRL, as if that were the true numerical concentration value.)

The final element of the Stage 2 data quality analysis is related to the source water type and population served for each system. For the Stage 2 analysis, it was necessary to define each system in a unique source water type/population size strata. Systems using both ground water and surface water, and systems using ground water under direct influence of surface water, were included with surface water data. Systems with more than one specified value of their population served in the original data were included using the largest population served value. Because these data management decisions were not conducted until after the completion of the Stage 1 analysis, some very slight differences (based on the very few number of systems so affected) may occur between Stage 1 and Stage 2 findings.

Table VI.A.1 describes the occurrence data from the 16-State cross-section data set used for Stage 2 analysis. For each contaminant, this table includes the MCL values, as well as the total number of analyses, systems, and population served by systems that have data represented in the 16 cross-section States. All population numbers were rounded to the nearest hundred. Also presented are the non-zero modal MRL values substituted for all non-detection data that were originally set equal to zero by the States. The final column in Table VI.A.1 lists the range of MRL values as reported by the States. As illustrated, these values ranged from 0 to as high as 100 mg/L. For the Stage 2 analysis, the non-zero modal MRL (also included in Table VI.A.1) was substituted for all non-detection data that were originally equal to zero.

**Table VI.A.1. Contaminant Occurrence Data From the 16-State Cross-Section Used in Stage 2 Analysis**

Contaminant	Total Number of Analyses	Total Number of Systems	Total Population Served by Systems	MCL (mg/L)	Non-Zero Modal MRL (mg/L)	Range of MRLs Reported by the States (mg/L)
<b>Inorganic Chemicals</b>						
Antimony	43,757	15,725	101,194,400	0.006	0.002	0 - 0.2
Barium	64,076	17,780	102,837,700	2	0.1	0 - 2
Beryllium	47,761	18,933	104,573,700	0.004	0.001	0 - 1
Cadmium	62,600	16,924	102,672,300	0.005	0.001	0 - 0.5
Chromium	65,437	19,695	105,380,000	0.1	0.01	0 - 5
Cyanide	27,648	9,559	73,497,500	0.2	0.1	0 - 10
Fluoride	93,062	20,803	107,075,700	4	0.1	0 - 100
Mercury	64,764	18,995	105,096,700	0.002	0.001	0 - 0.5
Selenium	61,978	16,820	102,480,300	0.05	0.005	0 - 0.5

Contaminant	Total Number of Analyses	Total Number of Systems	Total Population Served by Systems	MCL (mg/L)	Non-Zero Modal MRL (mg/L)	Range of MRLs Reported by the States (mg/L)
Thallium	46,959	17,972	104,291,600	0.002	0.001	0 - 2.2
<b>Synthetic Organic Chemicals</b>						
Alachlor	58,700	14,330	95,678,600	0.002	0.0002	0 - 0.2
Atrazine	67,492	14,797	98,200,900	0.003	0.001	0 - 0.1
Benzo(a)pyrene	46,522	11,292	88,210,900	0.0002	0.00002	0 - 0.02
Bis(2-ethylhexyl)adipate	42,757	10,597	59,319,700	0.4	0.0006	0 - 0.4
Bis(2-ethylhexyl)phthalate	41,052	9,418	78,293,000	0.006	0.0006	0 - 0.2
Carbofuran	51,994	13,925	94,338,000	0.04	0.0009	0 - 0.9
Chlordane	59,689	13,184	97,459,900	0.002	0.0002	0 - 0.2
2,4-D	59,952	15,688	107,117,600	0.07	0.0001	0 - 0.5
Dalapon	44,440	11,644	89,946,800	0.2	0.001	0 - 0.488
1,2-Dibromo-3-chloropropane	98,559	14,042	87,727,200	0.0002	0.00002	0 - 0.5
Dinoseb	49,287	14,780	94,611,700	0.007	0.001	0 - 0.2
Diquat	36,443	9,159	73,602,900	0.02	0.0004	0 - 0.4
Endothall	32,606	8,624	69,914,100	0.1	0.009	0 - 0.25
Endrin	66,100	16,209	99,994,100	0.002	0.00001	0 - 0.26
Ethylene Dibromide	121,327	15,688	88,839,500	0.00005	0.00002	0 - 0.01
Glyphosate	33,957	7,862	70,081,900	0.7	0.006	0 - 6
Heptachlor	57,489	14,245	96,563,400	0.0004	0.00004	0 - 0.1
Heptachlor Epoxide	57,731	14,133	96,222,900	0.0002	0.00002	0 - 0.1
Hexachlorobenzene	52,931	14,011	94,035,300	0.001	0.0001	0 - 0.1
Hexachlorocyclopentadiene	52,614	13,922	93,429,200	0.05	0.005	0 - 0.1
Lindane	62,383	16,098	99,942,600	0.0002	0.00002	0 - 0.1
Methoxychlor	66,046	16,089	99,925,500	0.04	0.0001	0 - 0.5
Oxamyl	47,664	13,157	92,345,800	0.2	0.002	0 - 2
PCBs	33,336	8,950	82,625,900	0.0005	0.0001	0 - 0.01
Pentachlorophenol	53,344	14,838	95,138,200	0.001	0.00004	0 - 0.306
Picloram	46,323	12,907	93,235,500	0.5	0.0001	0 - 0.2
Simazine	68,176	14,533	98,178,100	0.004	0.001	0 - 0.1
Toxaphene	52,429	13,805	95,108,100	0.003	0.001	0 - 2.2
2,4,5-TP	58,246	15,539	106,937,300	0.05	0.005	0 - 0.2

Contaminant	Total Number of Analyses	Total Number of Systems	Total Population Served by Systems	MCL (mg/L)	Non-Zero Modal MRL (mg/L)	Range of MRLs Reported by the States (mg/L)
<b>Volatile Organic Chemicals</b>						
Benzene	188,811	23,266	110,866,600	0.005	0.0005	0 - 0.5
Carbon Tetrachloride	182,944	23,028	110,605,500	0.005	0.0005	0 - 0.5
1,4-Dichlorobenzene	123,229	18,961	72,994,500	0.075	0.0005	0 - 0.5
o-Dichlorobenzene	133,512	20,714	74,066,200	0.6	0.0005	0 - 0.006
1,2-Dichloroethane	180,631	23,038	110,794,100	0.005	0.0005	0 - 1
1,1-Dichloroethylene	170,411	19,101	106,607,600	0.007	0.0005	0 - 0.5
cis-Dichloroethylene	180,839	22,920	110,777,600	0.07	0.0005	0 - 0.07
trans-Dichloroethylene	177,541	23,570	107,446,600	0.1	0.0005	0 - 0.01
Dichloromethane	170,899	21,530	110,146,100	0.005	0.0005	0 - 0.62
1,2-Dichloropropane	180,920	21,988	110,450,100	0.005	0.0005	0 - 0.5
Ethylbenzene	184,179	23,935	111,061,000	0.7	0.0005	0 - 0.02
Monochlorobenzene	134,461	20,730	74,082,400	0.1	0.0005	0 - 0.01
Styrene	174,650	22,272	110,550,900	0.1	0.0005	0 - 0.02
Tetrachloroethylene	195,239	22,362	110,557,800	0.005	0.0005	0 - 0.5
Toluene	184,358	23,949	111,250,100	1	0.0005	0 - 0.02
1,2,4-Trichlorobenzene	167,546	21,483	109,956,600	0.07	0.0005	0 - 0.07
1,1,1-Trichloroethane	191,476	24,653	111,206,600	0.2	0.0005	0 - 0.039
1,1,2-Trichloroethane	173,927	22,284	110,366,500	0.005	0.0005	0 - 0.5
Trichloroethylene	201,235	23,035	110,612,900	0.005	0.0005	0 - 0.5
Vinyl Chloride	187,950	24,607	111,200,800	0.002	0.0005	0 - 0.018
Xylenes (Total)	170,946	22,111	105,314,200	10	0.0005	0 - 0.1

The reduced number of systems sampling for SOC data, as compared to IOCs and VOCs, likely relates to State waivers for pesticides and herbicides.

## VI.B. Previous Occurrence Estimation Methods

It is very difficult to calculate a simple arithmetic mean for each PWS because most compliance monitoring data are non-detections. Such concentrations are generally reported as “less than MRL” rather than as actual numerical values. The numerical concentration value of a non-detection lies somewhere between zero and the specified MRL. In the past, several estimation approaches have been implemented to estimate system mean concentrations when non-detection data are present. Substitution is a common method used to determine the mean of such data. This method assumes that all non-detection data are equal to zero, equal to half the MRL, or equal to the MRL. An arithmetic mean is then calculated using these fabricated numbers together with values above the MRL. While these methods are widely used, they all “introduce a bias and result in erroneous estimates of the mean and standard deviation” (Porter et al. as cited in Travis and Land 1990). Setting all non-detections equal to zero likely underestimates the

true analytical value of the sample, and setting all non-detections equal to the MRL or half the MRL likely overestimates the true analytical value.

Other estimation procedures have been developed and used to estimate system mean concentrations which avoid the inherent bias of the substitution method. Each method handles non-detection data, characterizes the distribution of the data, and generates occurrence estimates somewhat differently. The occurrence estimation approach developed for and used in this report reflects, to some degree, an evolution of analytical approaches. Previously, EPA had developed an approach to estimate radon occurrence in drinking water, as well as another approach to estimate arsenic occurrence in drinking water.

Multiple data sets, containing different proportions of non-detection data, were used in the radon analysis. (These are described in detail in *Methods, Occurrence, and Monitoring Document for Radon in Drinking Water*; U.S. EPA 2000a.) For most of the data sets, a log-normal distribution assumption was used to generate system mean concentration values. When data sets contained less than 5 percent non-detection data, the log mean (natural log of the geometric mean) and log standard deviation (natural log of the geometric standard deviation) were the primary statistics used. When the data contained a higher proportion of non-detection data, the log mean and log variance parameters were estimated by a maximum likelihood estimation (MLE) method, which involves the iterative calculation of log likelihood ratios while updating the estimates of the non-detection values of the data until the likelihood ratio is optimized within specified limits. To calculate the proportion of systems above certain radon levels and the confidence limits on the proportions, two different approaches were employed: a distributional approach and a non-distributional approach. The distributional approach simply applied the known properties of the cumulative normal distribution to the estimated log mean and log standard deviation of radon occurrence in a given population of sources/systems to estimate the proportion that would be expected to be above a specified threshold of concern. A non-distributional approach was used when the fits of the radon distributions to log-normal distributions were not very good. This method calculated the upper and lower confidence limits on the estimated proportion of systems above a certain level. This method, which is based on counts of actual systems/sources above specified levels, makes no assumptions about the underlying shape of the distribution of radon levels.

Although MLE is an alternative method for estimating the log-normal distribution parameters, its approach was somewhat more computationally involved than the Regression on Ordered Statistics (ROS) method, developed by Helsel and Cohn (1988). In comparing methods for estimating distributional parameters, Helsel and Gilliom (1988) found that the MLE method was preferred for estimating percentile values for non-detection water quality data, but that the regression methods (such as ROS) were preferred for estimating the distributional parameters (mean and standard deviation). For this reason, and the relative ease of calculation compared with MLE approaches, the ROS method was used in estimating arsenic occurrence. The arsenic analysis used five steps for estimating national occurrence. First, system arithmetic means were calculated using ROS. This approach, which assumes that the underlying distribution of occurrence data are reasonably well characterized by a log-normal distribution, “fills-in” values for non-detection data based on the values of the detection data. Once the system means were generated, State exceedance probability distributions for ground water and surface water were calculated. Weighted sums of the exceedance probabilities generated for each State were then used to develop regional exceedance probability distributions for ground water and surface water. National exceedance probability distributions were developed as the weighted sum of the exceedance probability distributions derived for each Region. Finally, the estimated numbers of systems exceeding levels of interest were generated as the product of the national probability distributions and the total number of ground water or surface water systems. For a detailed description of the protocol, refer to *Arsenic Occurrence in Public Drinking Water Supplies* (U.S. EPA 2000b).

The arsenic “ROS approach” for estimating occurrence and exposure was used for preliminary estimations in this Six-Year Review of contaminant occurrence estimation. However, since this occurrence modeling approach could not provide a complete quantitative estimation of statistical error, alternative modeling approaches were considered, and the Bayesian-based modeling approach was subsequently developed.

The Bayesian-based hierarchical model has important advantages. This model fully uses information about all detection and non-detection (censored) data and provides a single approach for estimating occurrence that is unified and consistent for estimates between and within systems. Also, the Bayesian model quantifies estimation of statistical error. The model provides uncertainty intervals around each estimate, taking into account both sampling variability over time and across systems, as well as uncertainty due to non-detection concentrations. The model also generates occurrence estimates across the broad range of high to low proportion of censored data for the 60 contaminant-specific data sets analyzed.

### **VI.C. General Description of Bayesian Statistics**

Bayesian statistics are named after an English mathematician, Thomas Bayes, who first used probability inductively and established a mathematical basis for probability inference. The Bayesian approach is based on the concept that more may be known about an actual situation than is contained in the data from a single experiment regarding that situation. Bayesian methods, for example, can be used to combine results and information from several different, but related situations or experiments. This type of approach considers not only what information is contained in the specific situation (or data) directly being assessed, but what outside expertise or information might also contribute to an understanding of the situation being assessed (such as an assessment of the likelihood of an event occurring). The Bayesian view of probability is related to a “degree of belief” and measures the feasibility of an event occurring in the context of incomplete knowledge.

Bayesian inference is best suited to problems that involve making decisions under uncertainty. Bayes' Theorem begins with a statement of what is known prior to performing the experiment. In the context of statistical modeling, this prior knowledge is typically in the form of a probability density function, a mathematical expression that defines the likelihood of an event occurring. The prior knowledge, or “prior,” can be based on the results of other experiments, on expert opinion, or actual existing data. The Bayesian analytical approach is designed to start with a statement of initial or “prior” knowledge, and then use that knowledge and related information to improve upon the initial state of knowledge.

In the context of statistical estimations of contaminant occurrence, a “prior” is first specified and could be the analytical monitoring results of contaminant occurrence at a public water system. The prior is then supplemented with the inclusion of a likelihood function, which mathematically presents the distribution of similar, related data. The modeling process then revises the prior distribution based on this additional (likelihood) information to generate an updated estimate (the “posterior” distribution). This “posterior” distribution represents what is now believed about the original parameter (the “prior”) in light of the supplemental data. This updating process is repeated again and again in an iterative process; the posterior from one distribution becomes the prior for the next, and so on. This updating proceeds until the model “converges” (meaning that two successive estimates of the repeated updating process are equal, and no further updating is necessary). Sections VI.D. - VI.G. summarize the Bayesian-based estimation model. A more detailed, technical description of the Bayesian model, and its programming code, are included in Appendix B.

### **VI.D. Estimating System Mean Concentrations**

The general Stage 2 approach is to use the available 16-State cross-section data to model contaminant concentrations in drinking water as a function of system characteristics, such as source water type and system size. As stated above, Bayesian methods allow various sources of variability and uncertainty in occurrence to be explicitly quantified. For these analyses, a Bayesian-based hierarchical model is fit to characterize uncertainty in the estimates.

The model is based on the assumption that each system is log-normally distributed with an unknown mean and unknown variance. (It is a common assumption that water data follow a log normal distribution.<sup>7</sup>) The “priors” in this analysis are for the means and variance. For each system, a constant

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<sup>7</sup> Ott, W.R. 1995. *Environmental Statistics and Data Analysis*. Lewis Publishers, Boca Raton.

variance, but non-constant mean, is assumed. Once the prior distribution has been established, a two-level statistical model is built. The lower level features the observed concentrations (analytical detections and non-detections), which are treated as coming from a log-normal distribution. The upper level features the unknown parameters of the log-normal probability distribution of each system, whose values are estimated based on the detections and non-detections. Thus, the Bayesian-based approach allows the model to produce a conditional distribution of the unknown features of interest (system mean and standard deviation) as a function of the known data (both detections and non-detections<sup>8</sup>).

By pooling evidence from many observations for thousands of PWSIDs, this model estimates the mean concentration and standard deviation for each system using a Bayesian-based approach. An advantage of this model is that it allows for “borrowing of strength” in estimation between neighboring strata (Lockwood et al. 2001). In particular, when a stratum (e.g., all ground water systems serving less than 500 people) has either no or very few observations, its parameter estimates are shrunk toward the nearest strata that have data (e.g., all ground water systems serving between 501-3,301 people). Thus, this process improves estimates for entire strata.

A historical limitation of using Bayesian methods was that analytical solutions for the required computations were available for a limited number of parameters (Qian, 2001). The amount of parameters in this analysis exceeded this limit, making it impossible to generate estimates by use of Bayes’ Theorem. However, the advent of fast and inexpensive computing has promoted the development of several methods of performing Bayesian inference (Qian, 2001). The method used for this analysis is based on Monte Carlo sampling.

The Monte Carlo method is, in general terms, any technique using random numbers to model some sort of a process. (This technique works particularly well when the process is one where the underlying probability distributions are known, but the results are more difficult to determine.) During a Monte Carlo simulation, the value used for each variable is selected randomly from the defined probability distribution. Many simulations are then performed and the desired result is taken as an average over the number of observations (which may be a single observation or perhaps millions of observations).

A Markov chain Monte Carlo (MCMC) method was used for this analysis. Markov chain Monte Carlo (MCMC) is an important technique used by Bayesian practitioners to sample from the posterior distribution. MCMC generates a chain that converges, in distribution, on the posterior parameter distribution, that can be regarded as a sample from the posterior distribution (Qian *et al.*, 2001). Using these samples, it is then possible to calculate the statistics of interest (mean concentration and standard deviation). This technique also provides a means to generate a random sequence of model output that may be used to make inferences about the model uncertainties that derive from measurement uncertainties.

## **VI.E. Estimation of Probabilities of Threshold Exceedance**

Approximately 500 Monte Carlo simulations,<sup>9</sup> using the stratum-level mean and standard deviation as model input, were used to estimate the number of systems that are expected to exceed each specified concentration threshold for each source water type and system-size category. The estimated number of systems that exceed each threshold for a given stratum is then divided by the total number of systems in that stratum, resulting in the percent of systems estimated to exceed a specified threshold for a specific stratum (the estimated mean “probability of threshold exceedance”).

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<sup>8</sup> Although actual numerical values are unknown for the non-detections, they are known to be less than the MRL

<sup>9</sup> To test the number of Monte Carlo simulations necessary for this analysis, preliminary model runs were conducted using 500 simulations, 1,000 simulations, and 2,000 simulations. Expanding the amount of simulations did not alter the results. Thus, 500 simulations proved adequate and were used for computational efficiency reasons.

The estimates for population served exceedances are generated in a separate model run. In the process of the system exceedance estimation steps, the actual population served by each system in the data set is mathematically “attached” to each system. Therefore, when the Monte Carlo simulations are run to estimate the number of systems for each source water type and system-size category that are expected to exceed each specified concentration threshold, there are corresponding population served values along with the system number estimates. So, the estimated population served by systems that exceed each threshold for a given stratum is then divided by the total population served in that stratum, resulting in the percent of population estimated to be served by systems with a mean concentration that exceeds a specified concentration threshold for a specific stratum (the estimated mean “probability of threshold exceedance”).

#### **VI.F. Credible Intervals**

In Bayesian analysis, credible intervals are generated to quantify the uncertainty of each estimated mean probability of exceedance. A Bayesian credible interval (CI) defines the range of values within which the true value of the parameter is believed to occur. In our case, a 90% credible interval of the exceedance probability is interpreted as a 90% probability that the true value of the exceedance probability lies in the interval. The actual upper and lower numeric values of the credible interval are referred to as the “upper credible bound” and the “lower credible bound,” respectively. Because the probability of exceedance is estimated using approximately 500 Monte Carlo simulations, there exists 500, instead of one, estimates of the probability. A credible interval is the central region within which a specified percentage of the posterior density lies equally within the distribution (e.g., the 95% CI would be the region of the posterior density which lies between 2.5% and 97.5%). Thus, a 90% credible interval is an interval between the 5<sup>th</sup> and 95<sup>th</sup> percentiles of the 500 Monte Carlo values of probability of exceedance.

The Bayesian “credible interval” probability that the actual parameter lies within the interval is different from standard definition of “confidence interval”, which is based on (hypothetical) repeated experiments. Because the credible interval directly relates to the distribution of the actual data, this interval may or may not include the mean, depending on the skewness of the estimated distribution. In other words, the credible interval is not an interval around the mean (like the more traditional confidence interval). The traditional statistical (“frequentist”) 90% confidence interval is an interval that will contain the true value of the mean 90% of the time. For a particular study, a confidence interval provides qualitative information since they are really a measure of how precise an estimated effect is. If a confidence interval is wide, the estimated mean is less reliable. In contrast, a Bayesian credible interval, has the precise probabilistic meaning. In our case, a 90% credible interval of the exceedance probability is interpreted as a 90% probability that the true value of the exceedance probability lies in the interval.

For some extremely skewed estimated distributions, it is possible that the Monte Carlo estimated 5<sup>th</sup> and 95<sup>th</sup> percentiles are the same. For example, several estimates of the probability of a system mean exceeding a given threshold have an upper 90% credible bound of zero and a lower 90% credible bound also equal to zero, but a mean (“best estimate”) probability of exceedance NOT equal to zero. This is because the probability of a threshold exceedance is evaluated by several Monte Carlo samples and at least 95% of the samples are equal to zero. Under such a situation, one should conclude that the chance is less than 5% to have an exceedance probability that is greater than zero.

It is also important to note that the credible intervals for estimates of the totals (total ground water, total surface water, and total combined ground plus surface water) are always narrower than the credible intervals for each individual stratum. Because the estimates, and the associated standard errors, of the totals are based on a much larger sample size, the standard errors for totals are less and the credible intervals are narrower than for the individual stratum.

#### **VI.G. Using the Occurrence Probability Estimates to Obtain National Occurrence Estimates**

Once the probability of exceedance has been estimated through Stage 2 analysis, a straightforward extrapolation can be used to estimate national occurrence. The total national number of systems (or population served by systems) estimated to exceed a specified threshold is generated by multiplying the representative cross-section probability of exceedance by the national numbers for systems (and

population served by systems) documented in the *Water Industry Baseline Handbook, Second Edition - 2000* (U.S. EPA 2000c). The total number of ground water and surface water CWSs plus NTNCWSs in the Baseline Handbook is 65,030, and the total population served by ground water and surface water CWSs plus NTNCWSs is 213,008,182 persons. (The handbook presents the system and population served numbers stratified by source water type and population served, as well.) To derive the national occurrence estimate for a specific threshold/source water type/population served size category, the national number of PWSs (or population served by PWSs) from the handbook is simply multiplied by the probability of exceedance estimated by the statistical model. The process of generating the probabilities of exceedance are described in Section VI.E.

Table VI.G.1 illustrates the calculation of national estimates of exceedance. For example, to estimate the number of systems nationally expected to have mean concentration values of fluoride exceeding 4 mg/L for ground water systems serving 500 people or less, the best estimate probability of exceedance (0.5895%) is multiplied by the total number of ground water systems nationally that serve 500 people or less (43,498 systems). The resulting estimate equals 256 systems ( $43,498 \times 0.005895 = 256$ ). The national estimate of population exposed to a given contaminant is extrapolated in a similar fashion (i.e., the probability of exceedance is multiplied by the total population served nationally).

**Table VI.G.1. Calculating National Estimates of Exceedance**

Population-Served Size Category	Total Number of Systems Nationally <sup>1</sup>	Probability of Exceedance			National Estimate of Exceedance		
		Best Estimate	Lower 95% CB	Upper 95% CB	Best Estimate <sup>2</sup>	Lower 95% CB	Upper 95% CB
≤ 500	43,498	0.5895%	0.4881%	0.6878%	256	212	299
501 - 3,300	12,158	0.4803%	0.3283%	0.6313%	58	40	77
3,301 - 10,000	2,405	0.6018%	0.2988%	0.8964%	14	7	22
10,001 - 50,000	1,190	0.1355%	0.0000%	0.3484%	2	0	4
> 50,000	189	0.0160%	0.0000%	0.0000%	0	0	0
GW Total <sup>2</sup>	59,440	0.5496%	0.4685%	0.4685%	327	278	378

1. System inventory data from the *Water Industry Baseline Handbook, Second Edition - 2000* (U.S. EPA 2000c).

2. Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

The estimated number of systems and population served by systems in the 16 States were also extrapolated from the Stage 2 probabilities of exceedance. To generate the 16-State estimates, the probabilities of exceedance were simply multiplied by the total number of systems (or population served by systems) with 16-State data for that particular contaminant/source water type/system size. (For the total number of systems and population served by systems for each contaminant, please refer to Table VI.A.1.)

## VI.H. Summary of Occurrence Estimations

The Stage 2 analytical findings are summarized below. The complete Stage 2 analytical findings, presented in Appendix C, include estimated contaminant mean concentrations, the statistical best estimates of exceeding contaminant concentration thresholds, and both the 90% and 95% credible intervals for the best estimates. All findings presented in Appendix C are stratified by source water type and system size, and are presented relative to multiple thresholds. These findings also include a single aggregate result for each contaminant/threshold which provides a mean concentration, best estimate for exceeding that threshold, and the 90% and 95% credible intervals for the best estimate aggregated across all system sizes for all source water types. Additionally, the best estimates and credible intervals have been used to extrapolate to national values. These national extrapolations (including both stratified and



aggregate values) present the modeled best estimates for the national number of systems, and the population served by those systems, that are expected to exceed the specified threshold concentrations for each evaluated contaminants.

The Stage 2 best estimate findings (based on the 16-State national cross-section data) are presented in comparison to the Stage 1 (16-State) findings in Table VI.H.1. The findings are presented as the percent of systems, and population-served by those systems, that exceed the current MCL for each contaminant. Note that this table compares the two different types of analytical findings of the Stage 1 (non-parametric “peak” concentration values) and the Stage 2 (parametric “long-term” mean concentration values) analyses. This comparison is included as a general, qualitative evaluation of the Stage 2 model as well as a means to develop a sense of how straightforward Stage 1 findings relate to the more complex Stage 2 findings. With the exception of 1,2-dibromo-3-chloropropane and toluene,<sup>10</sup> the Stage 1 findings (percent of systems with at least one analytical results greater than the MCL) are always higher than the Stage 2 findings (percent of systems with an estimated mean concentration greater than the MCL). For one of the 60 contaminants, pentachlorophenol, the Stage 2 findings based on population served were greater than the corresponding Stage 1 findings based on population served.

**Table VI.H.1. Comparison of Aggregate Stage 1 and Stage 2 Analytical Results Based on the 16-State National Cross-Section - Percent of Systems and Population Served by Systems Greater than the MCL**

Contaminant	MCL (mg/L)	% Systems > MCL		% Population-Served by Systems > MCL	
		Stage 1 (one result > MCL)	Stage 2 (mean > MCL)	Stage 1 (one result > MCL)	Stage 2 (mean > MCL)
<b>Inorganic Chemicals</b>					
Antimony	0.006	0.623%	0.248%	1.00%	0.0475%
Barium	2	0.174%	0.0887%	0.309%	0.0137%
Beryllium	0.004	0.217%	0.0781%	0.621%	0.0208%
Cadmium	0.005	0.544%	0.412%	1.56%	0.07520%
Chromium	0.1	0.127%	0.00424%	0.666%	0.00139%
Cyanide	0.2	0.167%	0.0757%	0.399%	0.0110%
Fluoride	4	1.28%	0.511%	4.56%	0.0897%
Mercury	0.002	0.263%	0.0672%	0.276%	0.00627%
Selenium	0.05	0.107%	0.0267%	0.309%	0.00167%
Thallium	0.002	0.679%	0.283%	1.85%	0.0743%

<sup>10</sup> Exceptions to the general rule can occur, however. A phenomenon referred to as “Bayesian shrinkage” can force the higher and lower values of a range of estimated values to shift (or shrink) toward the mean, thereby increasing the lower values and decreasing the higher values. Also, a Monte Carlo simulation step is used in the model to estimate the number of systems with mean concentrations above a specified threshold concentration. The input for this Monte Carlo step is the estimated system mean concentration and variance about the mean estimate. A high variance can affect the Monte Carlo simulation results which, in turn, affects the final Stage 2 results.

Contaminant	MCL (mg/L)	% Systems > MCL		% Population-Served by Systems > MCL	
		Stage 1 (one result > MCL)	Stage 2 (mean > MCL)	Stage 1 (one result > MCL)	Stage 2 (mean > MCL)
<b>Synthetic Organic Chemicals</b>					
Alachlor	0.002	0.0419%	0.000%	0.259%	0.000%
Atrazine	0.003	0.676%	0.0625%	2.99%	0.0385%
Benzo(a)pyrene	0.0002	0.0531%	0.0000354%	0.243%	0.00000134%
Bis(2-ethylhexyl)adipate	0.4	0.00944%	0.000%	0.0292%	0.000%
Bis(2-ethylhexyl)phthalate	0.006	2.20%	0.256%	3.19%	0.119%
Carbofuran	0.04	0.000%	0.000%	0.000%	0.000%
Chlordane	0.002	0.0152%	0.000%	0.000477%	0.000%
2,4-D	0.07	0.00637%	0.000%	0.117%	0.000%
Dalapon	0.2	0.000%	0.000%	0.000%	0.000%
1,2-Dibromo-3-chloropropane	0.0002	0.912%	1.41%	11.4%	2.60%
Dinoseb	0.007	0.0203%	0.00765%	0.0252%	0.0141%
Diquat	0.02	0.0218%	0.000%	0.208%	0.000%
Endothall	0.1	0.0348%	0.000%	0.0429%	0.000%
Endrin	0.002	0.0247%	0.000%	0.206%	0.000%
Ethylene Dibromide	0.00005	0.746%	0.116%	12.3%	0.142%
Glyphosate	0.7	0.000%	0.000%	0.000%	0.000%
Heptachlor	0.0004	0.00702%	0.000%	0.000398%	0.000%
Heptachlor Epoxide	0.0002	0.0283%	0.000%	0.0291%	0.000%
Hexachlorobenzene	0.001	0.00714%	0.000%	0.0399%	0.000%
Hexachlorocyclopentadiene	0.05	0.000%	0.000%	0.000%	0.000%
Lindane	0.0002	0.0373%	0.000%	0.497%	0.000%
Methoxychlor	0.04	0.00622%	0.000%	0.125%	0.000%
Oxamyl	0.2	0.000%	0.000%	0.000%	0.000%
PCBs	0.0005	0.0335%	0.00369%	0.293%	0.0297%
Pentachlorophenol	0.001	0.0270%	0.00164%	0.000761%	0.00105%
Picloram	0.5	0.000%	0.000%	0.000%	0.000%
Simazine	0.004	0.0550%	0.000%	0.0469%	0.000%
Toxaphene	0.003	0.00724%	0.000%	0.131%	0.000%
2,4,5-TP	0.05	0.000%	0.000%	0.000%	0.000%

Contaminant	MCL (mg/L)	% Systems > MCL		% Population-Served by Systems > MCL	
		Stage 1 (one result > MCL)	Stage 2 (mean > MCL)	Stage 1 (one result > MCL)	Stage 2 (mean > MCL)
<b>Volatile Organic Chemicals</b>					
Benzene	0.005	0.189%	0.0313%	0.518%	0.00947%
Carbon Tetrachloride	0.005	0.204%	0.0159%	7.35%	0.0316%
1,4-Dichlorobenzene	0.075	0.000%	0.000%	0.000%	0.000%
o-Dichlorobenzene	0.6	0.000%	0.000%	0.000%	0.000%
1,2-Dichloroethane	0.005	0.126%	0.00479%	8.40%	0.000331%
1,1-Dichloroethylene	0.007	0.236%	0.0144%	8.69%	0.0135%
cis-Dichloroethylene	0.07	0.0305%	0.000401%	0.247%	0.00000449%
trans-Dichloroethylene	0.1	0.000%	0.000%	0.000%	0.000%
Dichloromethane	0.005	0.669%	0.0131%	9.50%	0.119%
1,2-Dichloropropane	0.005	0.0682%	0.00358%	1.18%	0.0358%
Ethylbenzene	0.7	0.000%	0.000%	0.000%	0.000%
Monochlorobenzene	0.1	0.000%	0.000%	0.000%	0.000%
Styrene	0.1	0.000%	0.000%	0.000%	0.000%
Tetrachloroethylene	0.005	0.778%	0.202%	13.5%	0.685%
Toluene	1	0.000%	0.00000835%	0.000%	0.000000539%
1,2,4-Trichlorobenzene	0.07	0.000%	0.000%	0.000%	0.000%
1,1,1-Trichloroethane	0.2	0.00811%	0.000235%	0.0432%	0.00000698%
1,1,2-Trichloroethane	0.005	0.0404%	0.000%	6.97%	0.000%
Trichloroethylene <sup>1</sup>	0.005	0.647%	0.236%	13.3%	8.19%
Vinyl Chloride	0.002	0.110%	0.00350%	1.86%	0.0244%
Xylenes (Total)	10	0.000%	0.000%	0.000%	0.000%

Note that this table provides a qualitative comparison between the different estimation approaches of the Stage 1 (non-parametric “peak” concentration values) and the Stage 2 (parametric mean concentration values) analyses.

All percentages are shown to three significant figures.

1. The low percentage of systems with trichloroethylene MCL exceedances, as compared to the very higher percentage of population served by those systems with trichloroethylene MCL exceedances, is the result of a few systems with MCL exceedances that serve very large populations.

Based on the generated Stage 2 probability of exceedance percentages, national extrapolations can be calculated. The Stage 2 probability of exceedance percentages are multiplied by the known national total number of systems, and population served by systems (based on national PWS inventory information from the Baseline Handbook). The result is an extrapolated national estimate of the number of systems (Table VI.H.2), and population served by systems (Table VI.H.3), that are expected to exceed the MCL. In general, 1,2-dibromo-3-chloropropane has the largest number of systems estimated to exceed the MCL (almost 200 systems in the 16 States, and over 900 systems nationally). The second largest number of systems estimated to exceed the MCL was for fluoride (just over 100 systems in the 16 States, and over

300 systems nationally). Trichloroethylene had, by far, the largest estimated population served by systems exceeding the MCL (over 9 million people in the 16 States, and approximately 17 million people nationally). The next largest population potentially exposed to a contaminant greater than the MCL was 1,2-dibromo-3-chloropropane (approximately 2.3 million people in the 16 States and about 5.5 million people nationally). For 35 of the 60 contaminants, zero systems were estimated to exceed the MCL in the 16 States and nationally. Range estimates (based on the 95% credible bounds around the best estimate) for the number of systems, and population served by those systems, are also included in Tables VI.H.2 and VI.H.3.

**Table VI.H.2. Best Estimate and Range of the Number of Systems Exceeding the MCL in the 16 Cross-Section States and Nationally**

Contaminant	MCL (in mg/L)	Best Estimate of Systems Estimated to Exceed the MCL		Range Estimate of Systems Estimated to Exceed the MCL	
		16 States	National	16 States	National
<b>Inorganic Chemicals</b>					
Antimony	0.006	39	162	26 - 54	107 - 223
Barium	2	16	58	10 - 22	37 - 80
Beryllium	0.004	15	51	7 - 24	24 - 82
Cadmium	0.005	70	268	55 - 86	211 - 330
Chromium	0.1	1	3	0 - 3	0 - 10
Cyanide	0.2	7	49	3 - 11	20 - 75
Fluoride	4	106	332	91 - 123	284 - 385
Mercury	0.002	13	44	8 - 18	27 - 62
Selenium	0.05	4	17	1 - 8	4 - 31
Thallium	0.002	51	184	35 - 66	127 - 239
<b>Synthetic Organic Chemicals</b>					
Alachlor	0.002	0	0	0 - 0	0 - 0
Atrazine	0.003	9	41	6 - 13	26 - 57
Benzo(a)pyrene	0.0002	0	0	0 - 0	0 - 0
Bis(2-ethylhexyl)adipate	0.4	0	0	0 - 0	0 - 0
Bis(2-ethylhexyl)phthalate	0.006	24	166	14 - 37	97 - 256
Carbofuran	0.04	0	0	0 - 0	0 - 0
Chlordane	0.002	0	0	0 - 0	0 - 0
2,4-D	0.07	0	0	0 - 0	0 - 0
Dalapon	0.2	0	0	0 - 0	0 - 0
1,2-Dibromo-3-chloropropane	0.0002	199	920	171 - 231	792 - 1,070
Dinoseb	0.007	1	5	0 - 2	0 - 9
Diquat	0.02	0	0	0 - 0	0 - 0

Contaminant	MCL (in mg/L)	Best Estimate of Systems Estimated to Exceed the MCL		Range Estimate of Systems Estimated to Exceed the MCL	
		16 States	National	16 States	National
Endothall	0.1	0	0	0 - 0	0 - 0
Endrin	0.002	0	0	0 - 0	0 - 0
Ethylene Dibromide	0.00005	18	76	7 - 32	28 - 133
Glyphosate	0.7	0	0	0 - 0	0 - 0
Heptachlor	0.0004	0	0	0 - 0	0 - 0
Heptachlor Epoxide	0.0002	0	0	0 - 0	0 - 0
Hexachlorobenzene	0.001	0	0	0 - 0	0 - 0
Hexachlorocyclopentadiene	0.05	0	0	0 - 0	0 - 0
Lindane	0.0002	0	0	0 - 0	0 - 0
Methoxychlor	0.04	0	0	0 - 0	0 - 0
Oxamyl	0.2	0	0	0 - 0	0 - 0
PCBs	0.0005	1	2	0 - 2	0 - 15
Pentachlorophenol	0.001	1	1	0 - 1	0 - 4
Picloram	0.5	0	0	0 - 0	0 - 0
Simazine <sup>1</sup>	0.004	0	1	0 - 0	0 - 0
Toxaphene	0.003	0	0	0 - 0	0 - 0
2,4,5-TP	0.05	0	0	0 - 0	0 - 0
<b>Volatile Organic Chemicals</b>					
Benzene	0.005	7	20	4 - 12	11 - 34
Carbon Tetrachloride	0.005	4	10	2 - 5	6 - 14
1,4-Dichlorobenzene	0.075	0	0	0 - 0	0 - 0
o-Dichlorobenzene	0.6	0	0	0 - 0	0 - 0
1,2-Dichloroethane	0.005	1	3	0 - 3	0 - 8
1,1-Dichloroethylene	0.007	3	9	1 - 6	3 - 20
cis-Dichloroethylene	0.07	0	0	0 - 1	0 - 3
trans-Dichloroethylene	0.1	0	0	0 - 0	0 - 0
Dichloromethane	0.005	3	9	1 - 6	3 - 18
1,2-Dichloropropane	0.005	1	2	0 - 2	0 - 6
Ethylbenzene	0.7	0	0	0 - 0	0 - 0
Monochlorobenzene	0.1	0	0	0 - 0	0 - 0
Styrene	0.1	0	0	0 - 0	0 - 0
Tetrachloroethylene	0.005	45	132	37 - 53	108 - 154
Toluene	1	0	0	0 - 0	0 - 0

Contaminant	MCL (in mg/L)	Best Estimate of Systems Estimated to Exceed the MCL		Range Estimate of Systems Estimated to Exceed the MCL	
		16 States	National	16 States	National
1,2,4-Trichlorobenzene	0.07	0	0	0 - 0	0 - 0
1,1,1-Trichloroethane	0.2	0	0	0 - 1	0 - 3
1,1,2-Trichloroethane	0.005	0	0	0 - 0	0 - 0
Trichloroethylene	0.005	54	154	47 - 63	133 - 178
Vinyl Chloride	0.002	1	2	0 - 1	0 - 3
Xylenes (Total)	10	0	0	0 - 0	0 - 0

The estimates for the number of systems in the 16 States and nationally are both based on the same modeled best estimate. The 16-State values are obtained by multiplying the probability of exceedance by the actual number of systems in the 16-State cross-section for each particular contaminant. The national values are obtained by multiplying the same probability of exceedance by the total number of systems nationally based on inventory numbers identified in the *Water Industry Baseline Handbook* (U.S. EPA 2000c). The range of values are based on the 95% credible bounds around the best estimate.

Note: All system values are rounded to the nearest whole system.

1. Model output resulted in an estimate of less than half a system; however, the fraction was rounded up to 1.

**Table VI.H.3. Best Estimate and Range of the Population-Served by Systems Exceeding the MCL in the 16 Cross-Section States and Nationally**

Contaminant	MCL (in mg/L)	Best Estimate of Population Served by Systems Estimated to Exceed the MCL		Range Estimate of Population Served by Systems Estimated to Exceed the MCL	
		16 States	National	16 States	National
<b>Inorganic Chemicals</b>					
Antimony	0.006	48,000	101,100	10,300 - 124,500	21,700 - 262,000
Barium	2	14,100	29,200	2,700 - 68,500	5,600 - 142,000
Beryllium	0.004	21,800	44,400	2,900 - 81,700	5,900 - 166,300
Cadmium	0.005	77,200	160,100	30,500 - 212,500	63,300 - 440,900
Chromium	0.1	1,500	3,000	0 - 8,400	0 - 16,900
Cyanide	0.2	8,100	23,300	900 - 31,800	2,700 - 92,100
Fluoride	4	96,000	191,000	59,400 - 151,300	118,200 - 301,000
Mercury	0.002	6,600	13,400	1,000 - 23,400	2,000 - 47,400
Selenium	0.05	1,700	3,600	100 - 6,200	200 - 12,900
Thallium	0.002	77,500	158,300	16,300 - 256,900	33,300 - 524,600
<b>Synthetic Organic Chemicals</b>					
Alachlor	0.002	0	0	0 - 0	0 - 0
Atrazine	0.003	37,800	82,100	11,300 - 120,000	24,400 - 260,300

Contaminant	MCL (in mg/L)	Best Estimate of Population Served by Systems Estimated to Exceed the MCL		Range Estimate of Population Served by Systems Estimated to Exceed the MCL	
		16 States	National	16 States	National
Benzo(a)pyrene	0.0002	0	0	0 - 0	0 - 0
Bis(2-ethylhexyl)adipate	0.4	0	0	0 - 0	0 - 0
Bis(2-ethylhexyl)phthalate	0.006	93,400	254,100	14,600 - 284,500	39,700 - 774,100
Carbofuran	0.04	0	0	0 - 0	0 - 0
Chlordane	0.002	0	0	0 - 0	0 - 0
2,4-D	0.07	0	0	0 - 0	0 - 0
Dalapon	0.2	0	0	0 - 0	0 - 0
1,2-Dibromo-3-chloropropane	0.0002	2,278,300	5,531,800	1,853,700 - 3,307,300	4,500,900 - 8,030,400
Dinoseb	0.007	13,300	29,900	0 - 48,600	0 - 109,500
Diquat	0.02	0	0	0 - 0	0 - 0
Endothall	0.1	0	0	0 - 0	0 - 0
Endrin	0.002	0	0	0 - 0	0 - 0
Ethylene Dibromide	0.00005	126,200	302,700	62,600 - 384,100	150,100 - 921,000
Glyphosate	0.7	0	0	0 - 0	0 - 0
Heptachlor	0.0004	0	0	0 - 0	0 - 0
Heptachlor Epoxide	0.0002	0	0	0 - 0	0 - 0
Hexachlorobenzene	0.001	0	0	0 - 0	0 - 0
Hexachlorocyclopentadiene	0.05	0	0	0 - 0	0 - 0
Lindane	0.0002	0	0	0 - 0	0 - 0
Methoxychlor	0.04	0	0	0 - 0	0 - 0
Oxamyl	0.2	0	0	0 - 0	0 - 0
PCBs	0.0005	24,600	63,300	0 - 230,000	0 - 593,000
Pentachlorophenol	0.001	1,000	2,200	0 - 1,200	0 - 2,700
Picloram	0.5	0	0	0 - 0	0 - 0
Simazine	0.004	100	200	0 - 0	0 - 0
Toxaphene	0.003	0	0	0 - 0	0 - 0
2,4,5-TP	0.05	0	0	0 - 0	0 - 0
<b>Volatile Organic Chemicals</b>					
Benzene	0.005	10,500	20,200	2,100 - 33,200	4,000 - 63,800
Carbon Tetrachloride	0.005	35,000	67,400	800 - 47,500	1,500 - 91,400
1,4-Dichlorobenzene	0.075	0	0	0 - 0	0 - 0
o-Dichlorobenzene	0.6	0	0	0 - 0	0 - 0

Contaminant	MCL (in mg/L)	Best Estimate of Population Served by Systems Estimated to Exceed the MCL		Range Estimate of Population Served by Systems Estimated to Exceed the MCL	
		16 States	National	16 States	National
1,2-Dichloroethane	0.005	400	700	0 - 800	0 - 1,500
1,1-Dichloroethylene	0.007	14,400	28,800	0 - 136,900	100 - 273,500
cis-Dichloroethylene	0.07	0	0	0 - 100	0 - 100
trans-Dichloroethylene	0.1	0	0	0 - 0	0 - 0
Dichloromethane	0.005	131,100	253,500	200 - 275,300	300 - 532,300
1,2-Dichloropropane	0.005	39,500	76,200	0 - 142,000	0 - 273,900
Ethylbenzene	0.7	0	0	0 - 0	0 - 0
Monochlorobenzene	0.1	0	0	0 - 0	0 - 0
Styrene	0.1	0	0	0 - 0	0 - 0
Tetrachloroethylene	0.005	757,200	1,458,900	519,700 - 965,100	1,001,400 - 1,859,300
Toluene	1	0	0	0 - 0	0 - 0
1,2,4-Trichlorobenzene	0.07	0	0	0 - 0	0 - 0
1,1,1-Trichloroethane	0.2	0	0	0 - 200	0 - 300
1,1,2-Trichloroethane	0.005	0	0	0 - 0	0 - 0
Trichloroethylene	0.005	9,062,500	17,451,800	8,828,000 - 9,302,500	17,000,200 - 17,914,000
Vinyl Chloride	0.002	27,200	52,000	0 - 31,500	0 - 60,300
Xylenes (Total)	10	0	0	0 - 0	0 - 0

The estimates for the number of systems in the 16 States and nationally are both based on the same modeled best estimate. The 16-State values are obtained by multiplying the probability of exceedance by the actual number of systems in the 16-State cross-section for each particular contaminant. The national values are obtained by multiplying the same probability of exceedance by the total number of systems nationally based on inventory numbers identified in the *Water Industry Baseline Handbook* (U.S. EPA 2000c). The range of values are based on the 95% credible bounds around the best estimate.

Note: All population values are rounded to the nearest hundred.

## VI.I. Stage 2 Model Verification

Several approaches for model verification were undertaken. The first verification assessment partially assesses both the modeling process and a key component of the cross-section construction. A simulation data study was also conducted to compare the Bayesian-based approach to the “ROS” method, and to test the assumption of constant variance and log-normality at the system level for the national distribution of system means.

To partially assess the modeling process and a key component of the cross-section construction, the mean concentration values for select contaminants were estimated for groups of top quartile and bottom quartile States. (For a description of how quartiles are determined, please see Section II.B.) The cross-section development approach presumes that the top quartile States have a higher pollution potential than the bottom quartile States, and, therefore, the estimated mean concentrations for the top quartile States should be greater than those for the bottom quartile States. The estimated mean concentration values for the top quartile States were always higher than the mean concentration for the bottom quartile States with the exception of glyphosate and heptachlor (two very low occurrence SOCs).



**Table VI.I.1. Stage 2 Comparison of Top Quartile and Bottom Quartile States' Mean Concentration Values**

Contaminant Name	Mean Concentration (in mg/L)	
	Top Quartile States	Bottom Quartile States
<b>Inorganic Chemicals <sup>1</sup></b>		
Fluoride	0.68951748	0.29773017
<b>Synthetic Organic Chemicals <sup>2</sup></b>		
Alachlor	0.00000407	0.00000355
Carbofuran	0.00001795	0.00001654
Diquat	0.00004839	0.00004012
Glyphosate	0.00012887	0.00014761
Heptachlor	0.00000069	0.00000073
Heptachlor Epoxide	0.00000057	0.00000051
Hexachlorobenzene	0.00000135	0.00000105
Oxamyl	0.00002879	0.00002540
Picloram	0.00000247	0.00000211
<b>Volatile Organic Chemicals <sup>3</sup></b>		
1,4-Dichlorobenzene	0.00002310	0.00002157
Tetrachloroethylene	0.00007779	0.00003378

1. IOC - Ranking based on CDC Fluoridation Census - Top Quartile States = IN, IL, KY, SD; Bottom Quartile States = CA, NJ, MT, OR.

2. SOC - Ranking based on Total Farm Ag. Chemical Expenses - Top Quartile States = CA, FL, IL, TX; Bottom Quartile States = MT, NJ, NM, VT.

3. VOC - Ranking Based on Number of Manufacturing Establishments / Sq. Mile - Top Quartile States = CA, FL, IL, NJ; Bottom Quartile States = MT, NE, NM, SD.

A rigorous, quantitative model verification was conducted through a simulation study, using six synthetic data sets. This study was designed to explore the impact of the log-normal, as well as the constant variance, assumption made on the system level for the national distribution of system means. In addition, the Bayesian-based hierarchical modeling approach was compared to the ROS plotting position method.

The six simulated data sets were divided into three groups. The first group was designed to emphasize the comparison of the Bayesian and ROS methods. The second group was generated to evaluate the constant variance assumption. Finally, the third group of simulated data sets tested the impact of a log-normal assumption at the system level on the national distribution of system means. Please refer to Appendix B for details regarding the simulated data study.

Both the simulated study and the mixture model indicated that the Bayesian-based hierarchical model used for the study is appropriate. The simulated study showed that the prior assumptions about the contaminant distribution do not have an undue influence on the posterior estimate of the national distribution of system means. The mixture model study showed that using a log-normal distribution at the system level is appropriate. When the log-normal assumption is not used, the estimated national distribution has a slightly larger variance, which may result in an overestimate of the exceedance probabilities.

Another direct verification of the model consists of a traditional bounding analysis. A bounding analysis enables an assessment of how well the model estimates system mean concentrations, and by inference,

how well the model estimates values for the non-detection values used in the mean concentration estimations. This is of interest because non-detections typically comprise a significant proportion of drinking water analytical records for any particular contaminant. For the bounding analysis, EPA generated a data set based on the raw analytical results for each contaminant. In this data set, a “lower bound” was generated by substituting the value of 0 (zero) for all non-detections, and an “upper bound” was generated by substituting a value equal to the non-zero modal MRL for all non-detections. For additional comparative detail, a value equal to ½ the MRL was also substituted for all non-detection records for each contaminant assessed.

Fifteen contaminants were assessed with this bounding analysis. For all contaminants, the modeled system mean concentration was ‘bracketed’ by the bounding values, with the lower bound mean below and the upper bound mean above the modeled values. In all cases except for fluoride, the bounding value substituting ½ MRL for non-detections also was above the modeled system mean. A complete presentation of the bounding analysis is included in Appendix D, including graphs showing the 90% Credible Bounds of model prediction.

## **VI.J. Stage 2 Model Validation**

Another assessment of the model is based on the comparison of the modeled occurrence estimations to other known measures of contaminant occurrence in drinking water. In the next section, the Stage 2 occurrence estimates for fluoride conducted for the Six-Year Review were assessed relative to system fluoridation findings reported in the US Department of Health and Human Services Centers for Disease Control and Prevention (CDC) *Fluoridation Census 1992*. Additional information was provided by the CDC regarding the unpublished *Fluoridation Census 2000*. And in the following section, a general assessment of the Stage 2 model findings relative to MCL violation records in SDWIS/Fed was conducted.

### **VI.J.1. Centers for Disease Control and Prevention *Fluoridation Census***

This section provides a general comparative assessment between the Six-Year Review’s Stage 2 national fluoride occurrence estimates (based on the 16-State national cross-section) primarily with public water system fluoridation findings reported in the CDC *Fluoridation Census 1992* as well as with findings provided by CDC staff from the unpublished *Fluoridation Census 2000* (CDC 2002). The fluoride data contained in the CDC and the 16-State cross-section are inherently different. The CDC census findings report the voluntary provision of qualitative/semi-quantitative information from public drinking water systems that identify if a particular system is operating as a fluoridating system (with either natural or “adjusted” concentrations of fluoride within the optimum range of fluoride). On the other hand, the OGWDW Six-Year Review Stage 2 findings are quantitative, parametric statistical estimations of fluoride occurrence based on compliance monitoring analytical results of fluoride concentrations in public drinking water systems from the 16-State cross-section (with the results from the 16-State cross-section then extrapolated to national occurrence estimates).

Despite the significant differences in the underlying sources of fluoride occurrence information, the comparison between the CDC and OGWDW Stage 2 findings is informative. The comparison suggests that the Stage 2 modeled national estimates are valid, broadly reflecting and correlating with the general fluoride concentrations implied by the fluoridation census findings when considering details of the differences between the census and statistical estimation approaches. Details of the comparative assessment are included below.

The CDC periodically conducts a national fluoridation census which records the total national number of public water systems, and population served by those systems, that operate with natural or adjusted levels of fluoride in drinking water at optimum levels. The “optimum range” of fluoride in drinking water (regarding prevention of dental cavities) is from 0.7 mg/L to 1.2 mg/L (although a system can be considered to be operating as a fluoridating system if it operates within the broader “control range” of

fluoride concentrations from 0.6 mg/L to 1.7 mg/L).<sup>11</sup> To complete the fluoridation census, States voluntarily report: the name, location, and public water system identification number of each fluoridated water system; the population served by each system; whether the system operates with adjusted, or natural, levels of fluoride; the chemical used for fluoridation, if adjusted; and whether or not the system purchased water. However, no quantitative analytical results are presented, no information is provided for systems with fluoride occurrence less than 0.7 mg/L (the low end of the optimum range), and the source water type is not specified. Therefore, the implication is that all systems that reported as fluoridating (i.e., all systems listed in the CDC census) are considered for comparison purposes to have a minimum average fluoride concentration of 0.7 mg/L, the low end of the optimum fluoridation range.

Table VI.J.1.a shows a comparison between the quantitative results based on the 16-State cross-section data and the qualitative reported findings of the CDC *Fluoridation Census 1992* and the unpublished CDC *Fluoridation Census 2000*. The table specifically presents the Stage 2 modeled estimates based on the Six-Year Review 16-State cross-section compared to the number of fluoridating systems (and population served by those systems) as reported to the CDC.

**Table VI.J.1.a. Comparison of the National Extrapolations of the Stage 2 Modeled Estimates with the CDC Fluoridation Census Findings**

Stage 2 Modeled Estimates based on Compliance Monitoring Results of the 16-State Cross-Section					CDC Fluoridation Census 1992 and unpublished 2000 <sup>1</sup> Findings	
Fluoride Threshold (mg/L)	Total Number of Systems Nationally Estimated to Exceed Threshold		Total Population Served by Systems Nationally Estimated to Exceed Threshold		Total Number of Systems Fluoridating	Total Population Served by Systems Fluoridating
	Best Estimate	Range	Best Estimate	Range		
4	332	284 - 385	191,000	118,200 - 301,000	145 <sup>1</sup>	152,527 <sup>1</sup>
2	1,885	1,769 - 2,000	1,978,600	1,505,100 - 3,293,100	746 <sup>1</sup>	849,591 <sup>1</sup>
0.7	13,390	13,156 - 13,624	57,022,300 <sup>2</sup>	51,803,600 - 61,346,400 <sup>2</sup>	14,496 <sup>3</sup>	141,107,164 <sup>3</sup>

For a detailed description of how the Stage 2 modeled estimations are derived, please refer to Section VI.A. through VI.H. of this report.

1. The number of systems and population-served by systems with reported fluoride concentrations greater than 2 mg/L and 4 mg/L were provided by the CDC from the unpublished *Fluoridation Census 2000*. (These measures of fluoride occurrence relative to these specific fluoride thresholds are not included in the 1992 or earlier census publications.)
2. There were no compliance monitoring records for fluoride for the Chicago Water System in the State of Illinois compliance monitoring data set. Therefore, since Illinois is one of the States in the 16-State cross-section and the Chicago Water System is known to fluoridate, the Stage 2 modeled estimates presented here do not reflect the population served by the fluoridated water provided by the Chicago Water System (and its consecutive systems). (The Chicago Water System fluoride data were received after the completion of the Stage 2 analysis and were, therefore, not included.)
3. This estimate includes public water systems that operate within the “control range” of optimum fluoride concentrations. Therefore, this estimate includes systems that maintain fluoride concentrations as low as 0.6 mg/L while the Stage 2 model estimates are based on the 0.7 mg/L fluoride concentration values which is the low end of the optimum range.

<sup>11</sup> The optimum amount of fluoride in drinking water at PWSs is the range of fluoride that assists in the prevention of dental cavities. The specific optimum level of fluoride for a given PWS is generally inversely proportional to temperature. It is assumed that individuals drink more water in warmer climates and higher temperatures. The ingestion of fluoride via drinking water is directly related to the volume of water consumed. Therefore, since high temperatures result in consumption of higher volumes of water, the amount of fluoride considered optimal is at the low end of the optimal range (0.7 mg/L) in warmer regions (or warmer seasons) and at the high end of the optimum range (1.2 mg/L) in cooler regions (or cooler seasons). For example, the optimum level of fluoride for PWSs in southern Florida is 0.7 mg/L and for PWSs in Maine it is 1.2 mg/L. The “control range” recommended by CDC for the optimum concentration is 0.1 mg/L below to 0.5 mg/L above the optimum.

The CDC *Fluoridation Census 1992* indicates that a total of 14,496 public water systems, serving 141,107,164 people, report that they operate as a fluoridated system.<sup>12</sup> In comparison, the Stage 2 national occurrence estimates based on the 16-State cross-section indicate a total of 13,390 systems, serving 57,022,300 people, with estimated mean concentrations of fluoride greater than 0.7 mg/L. (For a detailed presentation of Stage 2 modeled estimations of fluoride occurrence, please refer to Appendix C, Tables C.16.f and C.16.n.) A system with a mean concentration of fluoride greater than 0.7 mg/L is approximately equivalent to a “fluoridated” system (in the CDC census) that reports operation at optimum fluoride levels, though systems are included in the CDC census as fluoridating if systems operate within the broader control range and above 0.6 mg/L fluoride.

The differences between the national estimates for fluoridating systems (CDC–14,496 PWSs and national cross-section–13,390 PWSs) and population served by fluoridating systems (CDC–141,107,164 people and national cross-section–57,022,300 people) appear to relate to several factors. First, the lack of fluoride occurrence data from the Chicago Water System certainly results in an underestimate for the model estimated number of systems, and population served by those systems. (Fluoride data for Chicago were not included in the original compliance monitoring data sets obtained directly from the State of Illinois. Fluoride compliance monitoring data are reported to the State’s public health agency. These fluoride data were subsequently requested, but were received after the Stage 2 estimations had been completed.)

The system size distribution of fluoridating systems is a second factor influencing the difference in population served between the State data and the CDC census data. Table VI.J.1.b illustrates the distribution of fluoridating systems based on six population served size categories. Although the number of systems serving 1,000 people or less is similar in the State data and CDC data (2,824 and 2,540 respectively), this equals a much larger percentage of the smallest systems in the cross-section data set (66 percent) than are represented in the CDC census (only 42 percent). Therefore, the cross-section data set (comprised of compliance monitoring data records acquired directly from the States) has a proportionately larger amount of the smallest systems than does the CDC census (based on voluntary reporting of which systems fluoridate). This differing system size profile can result in a smaller population served by a similar number of systems as is the case for the national extrapolations based on the cross-section data.

**Table VI.J.1.b. Size Distribution of Fluoridating Systems in the 16 Cross-Section States and the CDC Fluoridation Census 1992**

Population Served	Number of Systems that Fluoridate - State Data <sup>1</sup>	Percent of State Total Number of Fluoridating Systems	Number of Systems that Fluoridate - CDC Data <sup>2</sup>	Percent of CDC Total Number of Fluoridating Systems
# 1,000	2,824	66%	2,540	42%
1,001 - 5,000	750	18%	1,983	33%
5,001 - 10,000	244	6%	578	10%
10,001 - 50,000	347	8%	716	12%
50,001 - 100,000	54	1%	103	2%
> 100,000	42	1%	79	1%

<sup>12</sup> The system and population totals listed here are equal to the exact system and population summations of the 50 States. These total sums do not equal the sums presented in the CDC *Fluoridation Census 1992*, in part due to the inclusion of the District of Columbia.

Population Served	Number of Systems that Fluoridate - State Data <sup>1</sup>	Percent of State Total Number of Fluoridating Systems	Number of Systems that Fluoridate - CDC Data <sup>2</sup>	Percent of CDC Total Number of Fluoridating Systems
Total	4,261	100%	5,999	100%

1. The State data results of “number of systems that fluoridate” are derived by using the cross-section data, calculating a simple arithmetic mean fluoride concentration for each system in a particular population served system size category, and then counting all systems with a mean concentration greater than 0.7 mg/L (which represents the low end of the range of optimum fluoride concentration for fluoridation).
2. CDC “number of systems that fluoridate” are derived from qualitative reported findings of the CDC 1992 *Fluoridation Census*.

A third factor influencing the system number and population differences between the CDC and national cross-section estimates relates to systems that report as “fluoridated systems.” In the CDC *Fluoridation Census 1992*, systems that operate within the control range (of optimum fluoride concentration) of 0.6 mg/L and 1.7 mg/L are considered to fluoridate. The Stage 2 statistical estimations and related national extrapolations were based on a fluoride concentration threshold of 0.7 mg/L (the low end of the optimum, not the control, range of fluoride levels). Therefore, the Six-Year Review Stage 2 estimates of systems with estimated mean concentrations of fluoride greater than 0.7 mg/L will likely be lower than the CDC census number of systems reported to operate within the control range (between 0.6 mg/L and 1.7 mg/L fluoride).

Other factors relate to the type of systems included in EPA’s Six-Year Review and the CDC fluoridation census. The Six-Year Review, based on compliance monitoring, does not include analytical results for consecutive (i.e., purchased) systems. Because compliance monitoring requirements for consecutive systems are at the discretion of the individual States, the consecutive system compliance monitoring record is not uniform from State to State. Therefore, systems identified as consecutive were removed in the raw data sets prior to Stage 2 estimations. The CDC fluoridation census does include consecutive systems. (CDC estimates that there may be approximately 1,696 consecutive systems serving a population of 12,850,000 in the 16 States that comprise the 16-State cross-section used in this Six-Year Review analysis.) Also, while the Six-Year Review 16-State cross-section data does include monitoring results from NTNCWSs, the CDC fluoridation census does not.

In summary, given the differences between the CDC census numbers and the EPA model estimates, direct comparisons cannot be made between the two assessments of fluoride occurrence in public water systems. However, considering the underlying differences between the CDC census findings and the Six-Year Review model estimates, general comparisons suggest that the Stage 2 modeling approach tracks relatively closely to CDC voluntarily reported qualitative census findings.

The comparison of the number of systems estimated by the Six-Year model to have an estimated mean fluoride concentration greater than 0.7 mg/L compared to the number of systems reporting to the CDC census as fluoridating exhibits the largest difference between the two fluoride occurrence assessments. Three likely causes for this discrepancy are:

1. The CDC fluoridating systems include systems operating within the “control range” (i.e., as low as 0.6 mg/L).
2. The Six-Year Review estimates did not have data for the Chicago Water System.
3. The Six-Year Review estimates generally do not include consecutive systems.

The comparison between the Six-Year Review model estimates and the unpublished 2000 Census numbers for systems with fluoride concentrations above 2 mg/L and 4 mg/L are generally good. For example, relative to 4 mg/L, the Six-Year Review model estimates are not dramatically higher than the CDC estimates, especially when comparing the total population served. The EPA system numbers are modeled estimates, and therefore, it is appropriate to consider the estimated range of results rather than the single “best estimate.” The modeled estimates indicate that from 118,200 people to 301,000 people could be served by systems with a mean fluoride concentration greater than 4 mg/L. The CDC estimate (of approximately 153,000 people) falls into this range. The other comparisons with the unpublished 2000 CDC census findings, while not within the statistical model estimate ranges, are relatively similar

(not orders of magnitude apart) given the differences between the CDC and EPA sources of information/data. The differences in hundreds of systems or hundreds of thousands of population served by systems can be interpreted as somewhat close when considered relative to the total United States' population or the total United States' population served by fluoridated water.

## **VI.J.2. SDWIS/Fed Comparison**

A preliminary comparison was conducted of Stage 2 model findings and MCL violation records in SDWIS/Fed. Due to many qualifying factors, this must be regarded as a very general, indirect comparison. A primary factor that inhibits a direct comparison is the somewhat incomplete State reporting to the SDWIS/Fed database over the time frame of interest (roughly 1993-1999). Also, the method for calculating a contaminant's concentration in a system is somewhat different for the Stage 2 analysis as compared to MCL violation determinations. A brief description of some key topics related to MCL compliance information is presented below to provide background on SDWIS/Fed MCL violation data.

For systems that monitor more frequently than annually, compliance with the MCL is determined by a running annual average of results from all samples taken at each sampling point. If this contaminant mean concentration exceeds the MCL, then the system is out of compliance. For systems that monitor annually or less frequently, if the level of a contaminant at any sampling point exceeds the MCL, the system is out of compliance with the MCL.

More systems have MCL exceedances than actual MCL violations. A system with an MCL violation always has an MCL exceedance. However, a system with an MCL exceedance may not always incur an MCL violation. For example, if a system that conducts quarterly monitoring has one quarter in which the concentration is above the MCL, but the running annual average based on this high analytical result and those from the three preceding quarters is below the MCL, the system would have an MCL exceedance but not an MCL violation. Also, if the State requires a confirmation sample, compliance with the MCL is calculated using the average of the routine and confirmation sample. If the average is below the MCL, the system would have an exceedance but not an MCL violation.

Many States experienced delays in implementing the Phase II/V rule. In some cases, approval of State primacy took many years. Laboratory capacity, resource and staffing levels, and waivers were recurring issues. States are required to report MCL violations to SDWIS/Fed. However, delays in determining MCL violations and reporting them to SDWIS/Fed were commonplace. States had to create new databases or modify existing databases for Phase II/V compliance tracking and reporting. As a result, many States had delays in reporting chemical violation data to SDWIS/Fed. Under-reporting of violations for chemicals is still an issue for some States. SDWIS/Fed has the capability of storing data on MCL exceedances; however, reporting of these is optional.

When comparing the modeled national occurrence estimates to the SDWIS/Fed MCL violation data, one must also consider the different time frames at hand. The SDWIS/Fed MCL violation data are roughly from 1993-1999. The Stage 2 estimate is based on compliance monitoring analytical results that are predominantly from between 1992 and 1997. (Potentially more than five years of monitoring results are used to estimate a single system mean concentration). The Stage 2 estimated number of systems with a mean concentration greater than the MCL (based on data for many years) is an approximation of, though not directly comparable to, the number of SDWIS/Fed MCL violations for a single year.

Table VI.J.2.a compares the reported SDWIS/Fed MCL violations (between January 1, 1993 and December 31, 1999) to the Stage 2 estimates of mean concentration MCL exceedances for beryllium, chromium, fluoride, and tetrachloroethylene. Based on the qualifying factors described above, it is not surprising that the Stage 2 estimates are higher than the reported SDWIS/Fed MCL violations (with the exception of chromium). Even given the inherent differences between the SDWIS/Fed MCL violation records and the Stage 2 analytical findings measured relative to the MCL, the comparison between the two assessments of occurrence are reasonably comparable, providing additional measures that suggest a validation of the Stage 2 modeling approach.

**Table VI.J.2.a. Preliminary Comparison of Stage 2 Analytical Findings and SDWIS/Fed MCL Violation Information**

Contaminant (MCL in mg/L)	Number of Systems	
	SDWIS/Fed MCL Violations	Stage 2 Estimates of Mean Concentration Greater than the MCL
Beryllium (0.004)	17	51
Chromium (0.1)	9	3
Fluoride (4)	247	332
Tetrachloroethylene (0.005)	128	132

## VII. CONCLUSION

A broad evaluation of regulated contaminant occurrence in public drinking water systems was conducted in support of the Six-Year Review of National Primary Drinking Water Regulations. Safe Drinking Water Act compliance monitoring analytical results reported to the States provided the occurrence data used in the occurrence estimates. States were evaluated through a methodology that included a ranking of States' based on measures of pollution potential, dividing States into quartiles based on these rankings, and then selecting States that equally represent the four pollution potential quartiles. By also considering geographic distribution of the selected States, a "cross-section" of States was selected to reflect a national representation of pollution potentials and climatic/hydrologic differences.

The analyses presented in this report are based on compliance monitoring data from the 16 selected cross-section States, which include: Alabama, California, Florida, Illinois, Indiana, Kentucky, Michigan, Montana, Nebraska, New Jersey, New Mexico, Oregon, South Carolina, South Dakota, Texas, and Vermont. These data have undergone extensive quality review and editing, including discussions with State data management staff. This 16-State national cross-section represents the largest compliance monitoring data set compiled to date by the USEPA.

The 16-State cross-section contains compliance monitoring data for the following: 10 inorganic contaminants with occurrence data from approximately 22,000 public water systems that serve an approximate total of 110,000,000 persons; 29 synthetic organic contaminants with occurrence data from approximately 20,000 public water systems that serve an approximate total of 116,000,000 persons, and; 21 volatile organic contaminants with occurrence data from approximately 25,000 public water systems that serve an approximate total of 113,000,000 persons. For comparison, the total number of (non-purchased) public water systems nationally is approximately 65,000 and the total population served by these public water systems is approximately 213,000,000.

A two-stage occurrence assessment approach was developed to evaluate the assembled 16-State cross-section occurrence data. The first stage of analysis (Stage 1) provides a straightforward, non-parametric, and preliminary assessment of occurrence. The primary Stage 1 measure is a simple statistical count and percentage of PWSs with *at least one analytical result* that exceeds a specified contaminant concentration threshold. These initial statistics were developed for each contaminant according to water system source water type.

For the second stage of analysis (Stage 2), a Bayesian-based hierarchical model was developed for use to generate detailed, stratified national occurrence estimates from the 16-State cross-section data. This statistical estimation method has been peer-reviewed, has been assessed relative to another drinking water contaminant occurrence estimation method (i.e., ROS), and has been evaluated with simulated data sets designed to assess the impact of the log-normal, as well as the constant variance, assumption made on the system level regarding the national distribution of system means.

All model assessments suggest the Bayesian-based hierarchical model used for the occurrence estimations in this report is appropriate. The peer-review generally supported the use and application of the model. Peer-review suggestions, such as a simulation study, have been conducted and incorporated into this report. Compared to the ROS approach, the Bayesian-based model estimates system means that are closer to the true system means of the simulated data sets. The simulated study also showed that the assumption of log-normal contaminant distribution does not have an undue influence on the estimate of the national distribution of system means. When the log-normal assumption is not used, the estimated national distribution has a slightly larger variance, which may result in an overestimate of the exceedance probabilities. The detailed evaluations of the Bayesian-based model suggest that the occurrence estimations, based on the 16-State cross-section of public water system compliance monitoring, are valid. The occurrence of 60 regulated contaminants was evaluated in this analysis. The Stage 1 and Stage 2 estimates for these contaminants generally yielded very similar results. For instance, when evaluated relative to their respective MCLs, the same contaminants exhibit the highest occurrence in their contaminant group for both the Stage 1 and Stage 2 analyses. Based on the 16-State cross-section Stage 1 estimates, the highest occurrence IOC was fluoride, the highest occurrence SOC was bis(2-ethylhexyl)phthalate and the highest occurrence VOC was tetrachloroethylene. Based on the 16-State cross-section Stage 2 estimates, the highest occurrence IOC was fluoride, the highest occurrence SOC was 1,2-dibromo-3-chloropropane (bis[2-ethylhexyl]phthalate was the second highest occurrence SOC) and the highest occurrence VOC was trichloroethylene (tetrachloroethylene was the second highest occurrence VOC).

Sixteen out of the 60 contaminants reviewed for this analysis were determined to have no compliance monitoring analytical results greater than their MCL in any of the 16 cross-section States. (Not a single analytical result for sixteen reviewed contaminants exceeded the MCL concentration.) Thus, the Stage 1 estimates (based on at least one analytical result greater than the MCL) and the Stage 2 estimates (based on a system mean concentration greater than the MCL) were equal to 0% for these 16 contaminants. Seven of the 16 contaminants were SOCs, including carbofuran, dalapon, glyphosate, hexachlorocyclopentadiene, oxamyl, picloram, and 2,4,5-TP. The remaining nine contaminants were VOCs, including 1,4-dichlorobenzene, o-dichlorobenzene, trans-dichloroethylene, ethylbenzene, monochlorobenzene, styrene, toluene, 1,2,4-trichlorobenzene, and xylenes.

Another fifteen contaminants had Stage 1 estimates relative to the MCL which were not equal to zero but had Stage 2 estimates relative to the MCL that were equal to zero. These differences between Stage 1 and Stage 2 findings can relate to specific occurrence details. For example, a contaminant with widespread and frequent occurrence at low concentrations (just about the MRL) would be characterized by relatively high Stage 1 values yet very low (even zero) Stage 2 values. Fourteen of these 15 contaminants were SOCs, including alachlor, bis(2-ethylhexyl)adipate, chlordane, 2,4-d, diquat, endrin, endothall, heptachlor, heptachlor epoxide, hexachlorobenzene, lindane, methoxychlor, simazine, and toxaphene. One of the 15 contaminants, 1,1,2-trichloroethane, was a VOC.

Complete Stage 1 analytical occurrence findings for each of the 60 regulated contaminants are presented in Appendix A. Complete Stage 2 analytical occurrence findings for each of the 60 regulated contaminants are presented in Appendix C. A summary of the Stage 2 findings for 14 of the regulated contaminants was presented in a Federal Register notice announcing EPA's preliminary decisions regarding its Six-Year Review of National Primary Drinking Water Regulations (U.S. EPA 2002). Stage 2 summary findings for two additional regulated contaminants are presented in EPA's announcement of its final decisions (yet to be published). The Stage 2 summary findings for all 16 contaminants are presented in Appendix E.



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## DEFINITIONS

*Bayesian inference* is an approach to statistics in which all forms of uncertainty are expressed in terms of probability. A Bayesian approach to a problem starts with the formulation of a “prior distribution” of the unknown parameters (or measurements) of the system being modeled. This prior distribution is meant to capture the beliefs and reflect the characteristics of the system being modeled before analyzing the data (that has been collected to represent the system being modeled). After reviewing the data, Bayes' Rule is applied to obtain a “posterior distribution” for the unknown parameters, which takes account of both the formulated “priors” and the data that represent the system being modeled. From this posterior distribution, predictive distributions can be computed from which the best estimates (e.g., the mean, median, or mode) as well as the uncertainty of the estimates (the credible intervals) can be presented.

*Best estimate* (in the context of this analysis) refers to the average (mean) probability of exceeding a threshold (i.e., the average probability that a public water system will have an estimated mean contaminant concentration that exceeds a specific threshold).

*Censored data* (see non-detection data).

*Central tendency* is a measure of the typicality or centrality of a set of values; the three main measures of central tendency are mean, median and mode.

*Community water system (CWS)* is a public water system that serves at least 15 service connections used by year-round residents or regularly serves at least 25 year-round residents.

*Compliance monitoring data* refer to drinking water regulated contaminant occurrence data from required sampling conducted at public drinking water systems. Compliance monitoring sampling is conducted by trained water system staff and the samples are analyzed using EPA drinking water-certified laboratory methods.

*Credible interval (CI)* is the calculated interval that has a specified probability of containing a parameter of interest. For example, if one obtained a 95% CI of (0.85, 0.96) for the best estimate probability of exceedance, then we would be 95% certain that the true value of the best estimate probability of exceedance was between 0.85 and 0.96.

*Credible bounds (CB)* are the upper and lower bounds of the credible interval.

*Extrapolation* is the estimation of unknown values by extending or projecting from known values. In this report, occurrence estimates generated using data from the 16-State national cross-section are extrapolated to national estimates (since contaminant occurrence in the cross-section of 16 States is indicative of national occurrence).

*Log-normal distribution* is a specific distribution of values in which the logarithms of the values follow a normal distribution.

*Maximum contaminant level (MCL)* is the maximum permissible level of a contaminant in water which is delivered to any user of a public water system. An MCL is specified for each regulated drinking water contaminant based primarily on the known health effects associated with that contaminant.

*Minimum reporting level (MRL)* is the lowest laboratory analytical concentration that can be reliably achieved (and subsequently reported) within specified limits of precision and accuracy under routine laboratory operating conditions. The MRL is essentially equal to the “censoring” level for a particular analytical method; therefore, sample analytical results that are below, or less than, the MRL are referred to as non-detection (or censored) data. (See non-detection data.)

## DEFINITIONS (Continued)

*Monte Carlo method* is, in general terms, any technique using random numbers to model a process. This technique works particularly well when the process is one where the underlying probability distributions are known, but the results are more difficult to determine.

*Non-detection data* (sometimes referred to as non-detect or censored data) are the sample analytical results when a contaminant either is not detected analytically or is detected at a concentration less than the minimum reporting level (MRL).

*Non-community water system* (NCWS) is a public water system that is not a community water system. There are two types of NCWSs: transient non-community water systems (TNCWS) and non-transient non-community water systems (NTNCWS). A TNCWS does not regularly serve at least 25 of the same persons during six months of the year (for example, a gas station or a campground). A NTNCWS regularly serves at least 25 of the same persons during at least 6 months per year (for example, a school).

*Non-parametric statistics* do not rely on parameter estimation nor do they involve assumptions about the underlying distribution of variables. Non-parametric statistics can be used to describe the relationship between or among variables ordinally or by scenarios rather than in terms of statistical parameters. The Stage 1 analyses in this report are non-parametric because no assumptions are made about the underlying data and no parameters are estimated. Stage 1 analyses are simple counts based directly on the actual data (e.g., the number of systems with at least one exceedance of the MCL). (See parametric statistics.)

*Non-transient non-community water system* (NTNCWS) is a public water system that is not a community water system and that regularly serves at least 25 of the same persons during at least 6 months per year (for example, a school).

*Non-zero modal MRL* refers to the most commonly occurring MRL value, other than zero.

*Normal distribution* is a specific distribution of values having a characteristic bell-shaped, symmetrical form.

*Parameters* are numerical values summarizing the data (e.g., the minimum, mean, or maximum concentration of a contaminant in a public water system).

*Parametric statistics* are a type of inferential statistic that involves the estimation of at least one parameter, with the statistical estimates typically requiring some assumptions about the variables under investigation. Often, an assumption is made that the data are a sample from a certain distribution, commonly a normal distribution. (Most environmental data generally follow a normal distribution.) The Stage 2 analyses in this report are parametric because the data are assumed to follow a log-normal distribution and mean contaminant concentrations (a parameter) are estimated for public water systems.

*Percentile* is the point below which a specified percentage of the observations fall.

*Pollution potential indicators* are environmental factors which indicate the likelihood of pollution (or contaminant occurrence) in a particular State or Region. For this analysis, the number of manufacturing establishments per square mile was considered to be the best indicator of the potential for manufacturing pollution (mainly volatile organic contaminant occurrence). Total farm agricultural chemical expenses was considered to be the best indicator of the potential for agricultural pollution (primarily synthetic organic contaminant occurrence).

*Population-served* refers to the number of persons that consume water from a particular public water system or group of public water systems.

*Population-Served by Systems > MCL* refers to the total number of persons that consume water from public water systems that have had at least one analytical result greater than the MCL of the contaminant in question.

## DEFINITIONS (Continued)

*Posterior probability* is a concept associated with Bayesian statistics. The posterior probability is the probability of an event occurring after making use of new, additional information. In other words, it is the prior probability of an event after updating it with new data.

*Prior probability* is the probability of an event as it could best be assessed initially. The prior probability can be based on the results of other experiments, on expert opinion, or actual existing data.

*Probability of exceedance* refers to the probability that a public water system will have an estimated mean contaminant concentration that exceeds a specific concentration threshold. Probabilities of exceedance are estimated in the Stage 2 analyses and are presented as best estimates, with credible intervals.

*Public water system (PWS)* is a system that provides water for human consumption through pipes or other constructed conveyances to at least 15 service connections or serves an average of at least 25 people for at least 60 days a year.

*Public water system identification number (PWSID)* is a unique 9-digit number assigned by EPA to uniquely identify each public water system in the States, territories, and tribes of the United States.

*Quantitative data* are numerical data, obtained by measuring objects or events.

*Qualitative data* are non-numerical data, often in the form of categorical data.

*Quartiles* are the points which break the distribution of values into fourths.

*Range* is a measure of variability indicating the difference between the highest and lowest values in a distribution of values.

*Ranked data* are data for which the observations have been replaced by their numerical ranks (typically from lowest to highest).

*Sample level analyses* are based on the total number of samples where an event has occurred (e.g., the total number of analytical results greater than the MCL). PWS contaminant occurrence sample level analyses can be biased (over-representing contaminant occurrence) because more frequent sampling is typically conducted and reported by public water systems experiencing problems with contaminant occurrence.

*Scatterplot* is a figure in which the individual data points are plotted in two-dimensional space.

*Skewness* is a measure of the degree to which a distribution is asymmetrical.

*Stage 1 analysis*, a non-parametric analysis, is based on the number of public water systems that have had *at least one analytical result* which exceeds a specified concentration threshold for a particular contaminant. Stage 1 analyses are simple counts of the number of systems which are not based on modeled estimates. Stage 1 analyses are very approximate measures of peak concentrations.

*Stage 2 analysis*, a parametric analysis, is based on the number of systems with *an estimated mean concentration value* which exceeds a specified concentration threshold for a particular contaminant.

Stage 2 analyses are generated using the Bayesian-based hierarchical model. Stage 2 analyses are measures of average, or mean, concentrations.

*Standard deviation* is a descriptive statistic used to measure the degree of variability within a set of values. Standard deviation is equal to the square root of the variance.

## DEFINITIONS (Continued)

*Stratification* is the partitioning of subjects into subgroups. For example, stratification of results by source water type means that the analyses are generated separately for ground water and surface water public water systems.

*System level analyses* are based on the number of systems for which an event occurred (e.g., the number of systems that have had at least one analytical result greater than the MCL). System level analysis avoids the potential bias of results of public water system contaminant occurrence assessments that can occur through sample level analyses.

*System mean* refers to the average concentration value of a given contaminant for a public water system. System means are estimated in the Stage 2 analysis by the Bayesian-based model.

*Systems > MCL* refers to the total number public water systems that have had at least one analytical result greater than the MCL. This is an example of the non-parametric, Stage 1 analyses.

*Transient non-community water system (TNCWS)* is a non-community water system that does not regularly serve at least 25 of the same persons during six months of the year (for example, a gas station or a campground).

*Variance* is a measure of dispersion or variability (spread of values), calculated by squaring the value of the standard deviation.

# APPENDICES

- Appendix A.**      **Stage 1 Analytical Findings**
- Appendix B1.**    **Detailed Description of Bayesian Hierarchical Model**
- Appendix B2.**    **16-State Cross-Section Data Used for Stage 2 Analysis**
- Appendix C.**      **Stage 2 Analytical Findings**
- Appendix D.**      **Model Bounding Analysis**
- Appendix E.**      **Summary of Stage 2 Analytical Findings**

## **Appendix A. Stage 1 Analytical Findings**

Table A.1.a.	Summary of Occurrence of IOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Systems
Table A.1.b.	Summary of Occurrence of IOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Systems
Table A.2.a.	Summary of Occurrence of IOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Population Served
Table A.2.a.	Summary of Occurrence of IOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Population Served
Table A.3.a.	Summary of Occurrence of SOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Systems
Table A.3.b.	Summary of Occurrence of SOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Systems
Table A.4.a.	Summary of Occurrence of SOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Population Served
Table A.4.a.	Summary of Occurrence of SOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Population Served
Table A.5.a.	Summary of Occurrence of VOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Systems
Table A.5.b.	Summary of Occurrence of VOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Systems
Table A.6.a.	Summary of Occurrence of VOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Population Served
Table A.6.a.	Summary of Occurrence of VOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Population Served



**Table A.1.a. Summary of Occurrence of IOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Systems**

Inorganic Chemicals (MCL in mg/L)	Surface Water Systems				
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	% Systems > MRL	% Systems > 0.5 MCL	% Systems > MCL
Antimony (0.006)	2,932	561	4.10%	0.89%	0.36%
Arsenic (0.05)	5,601	686	13.70%	1.02%	0.87%
Barium (2.0)	5,425	680	49.85%	0.59%	0.44%
Beryllium (0.004)	2,924	558	2.51%	0.54%	0.00%
Cadmium (0.005)	5,351	682	5.13%	1.47%	0.29%
Chromium (0.10)	5,346	681	11.75%	0.73%	0.44%
Cyanide (0.20)	2,326	489	5.52%	1.02%	0.41%
Fluoride (4.0)	8,186	685	79.12%	2.19%	1.17%
Mercury (0.002)	5,329	680	8.82%	1.76%	0.74%
Selenium (0.05)	5,339	682	10.70%	0.15%	0.00%
Thallium (0.002)	2,928	558	2.69%	0.90%	0.18%

Too few data to evaluate asbestos.

" % > MCL " indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

**Table A.1.b. Summary of Occurrence of IOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Systems**

Inorganic Chemicals (MCL in mg/L)	Ground Water Systems				
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	% Systems > MRL	% Systems > 0.5 MCL	% Systems > MCL
Antimony (0.006)	17,752	5,099	3.10%	1.27%	0.43%
Arsenic (0.05)	37,975	6,644	19.25%	1.67%	0.98%
Barium (2.0)	36,507	6,665	48.03%	0.80%	0.24%
Beryllium (0.004)	17,591	5,095	2.02%	0.51%	0.24%
Cadmium (0.005)	36,037	6,669	4.74%	1.39%	0.72%
Chromium (0.10)	36,157	6,671	13.07%	0.61%	0.27%
Cyanide (0.20)	13,389	4,067	1.97%	0.44%	0.25%
Fluoride (4.0)	44,023	6,968	73.39%	4.02%	1.42%
Mercury (0.002)	35,824	6,637	4.41%	0.74%	0.39%
Selenium (0.05)	36,189	6,636	8.54%	0.39%	0.23%
Thallium (0.002)	17,623	5,089	3.46%	1.36%	0.47%

Too few data to evaluate asbestos.

" % > MCL " indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples of confirmation samples as required by the primacy States.

**Table A.2.a. Summary of Occurrence of IOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Population Served**

Inorganic Chemicals (MCL in mg/L)	Surface Water Systems					
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	Total Population Served by Systems	% Population Served by Systems > MRL	% Population Served by Systems > 1/2 MCL	% Population Served by Systems > MCL
Fluoride (4.0)	8,021	641	40,956,768	94.47%	5.76%	5.69%
Arsenic (0.05)	5,380	646	40,662,132	8.86%	1.19%	1.05%
Chromium (0.10)	5,176	642	40,621,592	10.61%	3.85%	0.41%
Barium (2.0)	5,251	641	40,619,748	76.56%	0.31%	0.28%
Mercury (0.002)	5,159	641	40,596,090	5.47%	0.30%	0.14%
Antimony (0.006)	2,827	532	38,871,834	4.71%	2.00%	0.10%
Cadmium (0.005)	5,181	643	40,652,812	6.20%	0.65%	0.07%
Cyanide (0.20)	2,243	467	33,238,140	3.39%	0.59%	0.02%
Selenium (0.05)	5,165	642	40,621,592	8.03%	0.57%	0.00%
Beryllium (0.004)	2,819	529	38,764,439	4.08%	0.16%	0.00%
Thallium (0.002)	2,815	529	38,766,394	2.14%	1.41%	0.00%

Too few data to evaluate asbestos.

" % > MCL " indicates the proportion of population served with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples of confirmation samples as required by the primacy States.

**Table A.2.b. Summary of Occurrence of IOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Population Served**

Inorganic Chemicals (MCL in mg/L)	Ground Water Systems					
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	Total Population Served by Systems	% Population Served by Systems > MRL	% Population Served by Systems > 1/2 MCL	% Population Served by Systems > MCL
Fluoride (4.0)	39,940	6,184	38,473,294	97.10%	11.88%	8.14%
Arsenic (0.05)	34,630	6,221	38,496,759	12.29%	5.05%	3.63%
Chromium (0.10)	33,035	6,253	38,678,416	29.98%	23.15%	1.68%
Selenium (0.05)	33,042	6,219	38,471,623	3.98%	0.85%	0.81%
Cadmium (0.005)	32,914	6,251	38,678,035	2.97%	0.96%	0.78%
Barium (2.0)	33,342	6,245	38,656,452	81.46%	0.97%	0.51%
Mercury (0.002)	32,670	6,221	38,495,894	3.70%	1.10%	0.50%
Cyanide (0.20)	12,738	3,904	33,517,398	2.06%	0.50%	0.40%
Antimony (0.006)	16,692	4,866	36,692,016	1.59%	1.03%	0.36%
Thallium (0.002)	16,582	4,865	36,763,051	1.50%	0.54%	0.31%
Beryllium (0.004)	16,565	4,877	36,822,894	0.99%	0.34%	0.08%

Too few data to evaluate asbestos.

" % > MCL " indicates the proportion of population served with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples of confirmation samples as required by the primacy States.

**Table A.3.a. Summary of Occurrence of SOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Systems**

Synthetic Organic Chemicals (MCL in mg/L)	Surface Water Systems				
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	% Systems > MRL	% Systems > 0.5 MCL	% Systems > MCL
Atrazine (0.003)	4,786	550	20.91%	12.91%	10.55%
Ethylene Dibromide (0.00005)	9,252	585	4.62%	4.27%	3.59%
bis(2-ethylhexyl) phthalate (0.006)	3,175	289	28.37%	3.11%	2.08%
1,2-Dibromo-3-chloropropane (0.0002)	7,610	585	5.81%	1.88%	1.54%
Simazine (0.004)	4,590	528	15.91%	2.65%	1.14%
Lindane (0.0002)	5,046	624	1.28%	0.48%	0.48%
Alachlor (0.002)	4,289	535	7.48%	1.68%	0.37%
PCBs (0.0005)	2,990	426	0.47%	0.23%	0.23%
Toxaphene (0.003)	3,721	545	0.73%	0.18%	0.18%
2,4-D (0.07)	4,329	620	10.97%	0.32%	0.16%
Endrin (0.002)	5,060	625	2.08%	0.16%	0.16%
Methoxychlor (0.04)	5,025	625	0.96%	0.16%	0.16%
2,4,5-TP (0.05)	4,274	621	1.77%	0.00%	0.00%
Benzo[a]pyrene (0.0002)	3,479	459	0.44%	0.00%	0.00%
bis(2-ethylhexyl) adipate (0.4)	3,085	416	6.73%	0.00%	0.00%
Carbofuran (0.04)	3,157	523	0.76%	0.00%	0.00%
Chlordane (0.002)	4,372	496	0.00%	0.00%	0.00%
Dalapon (0.2)	3,044	443	8.80%	0.00%	0.00%
Dinoseb (0.007)	3,160	491	2.24%	0.00%	0.00%
Diquat (0.02)	2,233	401	2.74%	0.00%	0.00%
Endothall (0.1)	2,096	399	0.25%	0.00%	0.00%
Glyphosate (0.7)	2,158	406	0.00%	0.00%	0.00%
Heptachlor (0.0004)	4,438	529	0.19%	0.00%	0.00%
Heptachlor Epoxide (0.0002)	4,391	521	0.38%	0.00%	0.00%
Hexachlorobenzene (0.001)	4,059	521	0.38%	0.00%	0.00%
Hexachlorocyclopentadiene (0.05)	3,813	518	8.88%	0.00%	0.00%
Oxamyl (0.2)	2,716	493	0.00%	0.00%	0.00%
Pentachlorophenol (0.001)	3,212	496	3.23%	0.40%	0.00%
Picloram (0.5)	3,156	493	3.45%	0.00%	0.00%

Too few data to evaluate dioxin.

The high rates of phthalate and adipate are, in part, considered false positives related to sample contamination by plastics and analytical problems.

"% > MCL" indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

**Table A.3.b. Summary of Occurrence of SOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Systems**

Synthetic Organic Chemicals (MCL in mg/L)	Ground Water Systems				
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	% Systems > MRL	% Systems > 0.5 MCL	% Systems > MCL
bis(2-ethylhexyl) phthalate (0.006)	17,705	3,039	10.50%	3.52%	2.17%
1,2-Dibromo-3-chloropropane (0.0002)	65,119	7,683	2.66%	2.32%	1.99%
Ethylene Dibromide (0.00005)	81,902	7,819	1.02%	0.90%	0.73%
Atrazine (0.003)	37,180	6,242	2.15%	0.26%	0.08%
Lindane (0.0002)	31,469	5,946	0.25%	0.12%	0.07%
Diquat (0.02)	18,099	3,142	0.83%	0.10%	0.06%
PCBs (0.0005)	15,605	3,193	0.16%	0.09%	0.06%
Pentachlorophenol (0.001)	22,227	4,921	0.81%	0.14%	0.06%
Endrin (0.002)	31,180	5,922	0.25%	0.07%	0.05%
Benzo[a]pyrene (0.0002)	19,996	3,985	0.43%	0.18%	0.05%
Dinoseb (0.007)	21,846	5,090	0.45%	0.06%	0.04%
Heptachlor Epoxide (0.0002)	27,457	5,356	0.19%	0.04%	0.04%
Endothall (0.1)	15,566	3,231	0.22%	0.06%	0.03%
Heptachlor (0.0004)	28,170	5,463	0.22%	0.09%	0.02%
Alachlor (0.002)	27,726	5,547	0.25%	0.05%	0.02%
2,4,5-TP (0.05)	28,859	5,614	0.75%	0.00%	0.00%
2,4-D (0.07)	30,787	5,887	1.22%	0.02%	0.00%
bis(2-ethylhexyl) adipate (0.4)	15,888	3,270	7.13%	0.00%	0.00%
Carbofuran (0.04)	25,599	5,725	0.05%	0.00%	0.00%
Chlordane (0.002)	29,431	5,081	0.06%	0.00%	0.00%
Dalapon (0.2)	19,297	3,656	0.85%	0.00%	0.00%
Glyphosate (0.7)	17,901	2,682	0.11%	0.00%	0.00%
Hexachlorobenzene (0.001)	23,416	5,194	0.00%	0.00%	0.00%
Hexachlorocyclopentadiene (0.05)	22,667	5,103	0.10%	0.00%	0.00%
Methoxychlor (0.04)	30,591	5,698	0.21%	0.00%	0.00%
Oxamyl (0.2)	21,415	4,912	0.10%	0.00%	0.00%
Picloram (0.5)	20,984	4,598	0.57%	0.00%	0.00%
Simazine (0.004)	36,429	6,019	1.63%	0.03%	0.00%
Toxaphene (0.003)	26,780	5,672	0.11%	0.02%	0.00%

Too few data to evaluate dioxin.

The high rates of phthalate and adipate are, in part, considered false positives related to sample contamination by plastics and analytical problems.

"% > MCL" indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primary State.

**Table A.4.a. Summary of Occurrence of SOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Population Served**

Synthetic Organic Chemicals (MCL in mg/L)	Surface Water Systems					
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	Total Population Served by Systems	% Population Served by Systems > MRL	% Population Served by Systems > 1/2 MCL	% Population Served by Systems > MCL
1,2-Dibromo-3-chloropropane (0.0002)	7,541	575	36,775,874	25.31%	23.01%	22.75%
Ethylene Dibromide (0.00005)	9,183	575	36,287,757	6.18%	5.33%	5.27%
Atrazine (0.003)	4,723	541	33,612,243	11.46%	2.95%	1.90%
Lindane (0.0002)	4,957	608	35,324,374	1.44%	1.26%	1.26%
PCBs (0.0005)	2,925	415	29,555,126	0.79%	0.78%	0.78%
bis(2-ethylhexyl) phthalate (0.006)	3,109	281	27,404,128	38.28%	0.58%	0.54%
Toxaphene (0.003)	3,689	535	32,869,028	2.33%	0.38%	0.38%
Methoxychlor (0.04)	4,937	609	35,324,603	1.61%	0.35%	0.35%
2,4-D (0.07)	4,252	605	42,897,324	3.55%	0.29%	0.29%
Alachlor (0.002)	4,223	525	32,593,972	1.99%	0.34%	0.22%
Endrin (0.002)	4,971	609	35,351,865	1.97%	0.19%	0.19%
Simazine (0.004)	4,525	519	33,549,549	7.95%	0.25%	0.11%
Dalapon (0.2)	2,970	434	27,826,964	2.60%	0.00%	0.00%
Diquat (0.02)	2,162	393	27,318,992	0.32%	0.00%	0.00%
Endothall (0.1)	2,033	392	27,214,510	0.13%	0.00%	0.00%
Glyphosate (0.7)	2,094	399	27,914,653	0.00%	0.00%	0.00%
bis(2-ethylhexyl) adipate (0.4)	3,029	410	13,288,441	1.96%	0.00%	0.00%
Oxamyl (0.2)	2,649	484	29,396,354	0.00%	0.00%	0.00%
Picloram (0.5)	3,089	484	29,556,415	0.57%	0.00%	0.00%
Dinoseb (0.007)	3,094	482	29,262,719	0.69%	0.00%	0.00%
Hexachlorocyclopentadiene (0.05)	3,749	510	29,434,915	6.11%	0.00%	0.00%
Carbofuran (0.04)	3,090	514	29,981,346	1.66%	0.00%	0.00%
Heptachlor (0.0004)	4,360	517	32,662,080	0.02%	0.00%	0.00%
Heptachlor Epoxide (0.0002)	4,313	509	32,429,919	0.09%	0.00%	0.00%
2,4,5-TP (0.05)	4,197	606	42,916,224	1.29%	0.00%	0.00%
Hexachlorobenzene (0.001)	3,995	513	29,761,430	0.16%	0.00%	0.00%
Benzo[a]pyrene (0.0002)	3,415	451	28,549,179	0.82%	0.00%	0.00%
Pentachlorophenol (0.001)	3,146	487	29,398,501	0.98%	0.02%	0.00%
Chlordane (0.002)	4,297	484	33,712,241	0.00%	0.00%	0.00%

Too few data to evaluate dioxin.

"% > MCL" indicates the proportion of population served with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy States.

**Table A.4.b. Summary of Occurrence of SOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Population Served**

Synthetic Organic Chemicals (MCL in mg/L)	Ground Water Systems					
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	Total Population Served by Systems	% Population Served by Systems > MRL	% Population Served by Systems > 1/2 MCL	% Population Served by Systems > MCL
Ethylene Dibromide (0.00005)	78,182	7,344	38,913,299	24.26%	23.09%	22.78%
1,2-Dibromo-3-chloropropane (0.0002)	60,295	7,092	39,436,663	5.74%	5.37%	4.73%
bis(2-ethylhexyl) phthalate (0.006)	16,253	2,833	29,160,368	14.68%	6.20%	3.75%
Diquat (0.02)	16,948	3,032	30,156,678	1.25%	0.52%	0.51%
Benzo[a]pyrene (0.0002)	18,900	3,789	31,745,303	0.77%	0.54%	0.45%
Atrazine (0.003)	34,161	5,765	38,443,753	7.48%	1.34%	0.38%
Endrin (0.002)	28,872	5,567	38,892,442	0.73%	0.37%	0.36%
Lindane (0.0002)	29,142	5,585	38,918,871	0.24%	0.15%	0.13%
Heptachlor Epoxide (0.0002)	25,588	5,072	36,651,094	0.15%	0.05%	0.05%
Dinoseb (0.007)	20,480	4,731	35,740,628	0.43%	0.09%	0.04%
PCBs (0.0005)	14,522	3,090	30,011,043	0.15%	0.08%	0.04%
Endothall (0.1)	14,687	3,036	26,637,191	1.02%	0.06%	0.00%
Alachlor (0.002)	25,881	5,236	35,705,526	0.16%	0.07%	0.00%
Pentachlorophenol (0.001)	21,038	4,699	35,878,071	1.74%	0.02%	0.00%
Heptachlor (0.0004)	26,194	5,178	36,995,500	0.48%	0.42%	0.00%
Methoxychlor (0.04)	28,484	5,443	38,797,783	0.57%	0.00%	0.00%
Toxaphene (0.003)	24,944	5,308	37,117,798	0.09%	0.05%	0.00%
Dalapon (0.2)	18,261	3,545	31,911,316	1.13%	0.00%	0.00%
Glyphosate (0.7)	16,636	2,551	30,628,529	0.03%	0.00%	0.00%
bis(2-ethylhexyl) adipate (0.4)	15,422	3,224	7,240,096	23.88%	0.00%	0.00%
Oxamyl (0.2)	20,078	4,599	32,426,769	0.15%	0.00%	0.00%
Simazine (0.004)	33,204	5,368	38,246,225	7.07%	0.01%	0.00%
Picloram (0.5)	19,923	4,484	34,481,953	0.98%	0.00%	0.00%
Hexachlorocyclopentadiene (0.05)	21,447	4,896	34,548,177	0.11%	0.00%	0.00%
Carbofuran (0.04)	23,939	5,338	35,250,302	0.00%	0.00%	0.00%
2,4-D (0.07)	28,632	5,520	38,976,761	1.37%	0.00%	0.00%
2,4,5-TP (0.05)	27,067	5,372	38,796,035	1.23%	0.00%	0.00%
Hexachlorobenzene (0.001)	22,113	4,980	34,829,449	0.00%	0.00%	0.00%
Chlordane (0.002)	27,226	4,741	37,511,301	0.02%	0.00%	0.00%

Too few data to evaluate dioxin.

"% > MCL" indicates the proportion of population served with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.



**Table A.5.a. Summary of Occurrence of VOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Systems**

Volatile Organic Chemicals (MCL in mg/L)	Surface Water Systems				
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	% Systems > MRL	% Systems > 0.5 MCL	% Systems > MCL
Dichloromethane (0.005)	9,598	633	24.33%	8.85%	3.00%
Tetrachloroethylene (0.005)	12,270	690	8.70%	2.90%	1.74%
Trichloroethylene (0.005)	12,701	704	7.81%	2.13%	0.71%
Vinyl chloride (0.002)	10,630	699	3.00%	0.29%	0.29%
1,2-Dichloroethane (0.005)	10,581	702	3.28%	0.28%	0.28%
1,2-Dichloropropane (0.005)	9,783	684	3.07%	0.29%	0.15%
Benzene (0.005)	10,414	698	4.15%	0.57%	0.14%
1,1-Dichloroethylene (0.007)	11,615	702	3.42%	0.43%	0.14%
Carbon Tetrachloride (0.005)	10,434	700	8.43%	0.57%	0.00%
Chlorobenzene (0.1)	6,789	529	8.13%	0.00%	0.00%
cis-1,2-Dichloroethylene (0.07)	9,829	688	3.78%	0.00%	0.00%
Ethyl benzene (0.7)	9,860	684	6.43%	0.00%	0.00%
o-Dichlorobenzene (0.6)	6,682	529	3.21%	0.00%	0.00%
1,4-Dichlorobenzene (0.075)	6,706	490	5.71%	0.00%	0.00%
Styrene (0.1)	9,552	683	3.22%	0.00%	0.00%
Toluene (1.0)	9,847	685	10.80%	0.00%	0.00%
trans-1,2-Dichloroethylene (0.1)	8,184	603	2.49%	0.00%	0.00%
1,1,1-Trichloroethane (0.2)	10,756	700	8.14%	0.00%	0.00%
1,1,2-Trichloroethane (0.005)	9,884	685	5.69%	0.44%	0.00%
1,2,4-Trichlorobenzene (0.07)	8,719	628	2.87%	0.00%	0.00%
Xylenes (10.0)	9,724	680	11.91%	0.00%	0.00%

"% > MCL" indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primacy State.

**Table A.5.b. Summary of Occurrence of VOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Systems**

Volatile Organic Chemicals (MCL in mg/L)	Ground Water Systems				
	Number of Analyses in Cross-Section	Number of Systems in Cross-Section	% Systems > MRL	% Systems > 0.5 MCL	% Systems > MCL
Tetrachloroethylene (0.005)	129,348	11,751	4.46%	1.86%	1.20%
Trichloroethylene (0.005)	133,026	12,402	3.37%	1.47%	0.96%
Dichloromethane (0.005)	105,825	10,965	11.00%	1.74%	0.61%
Carbon Tetrachloride (0.005)	116,057	12,402	1.69%	0.39%	0.25%
1,1-Dichloroethylene (0.007)	115,205	12,403	1.64%	0.40%	0.25%
Benzene (0.005)	111,554	12,383	1.19%	0.38%	0.23%
1,2-Dichloroethane (0.005)	113,116	12,411	1.42%	0.33%	0.15%
1,2-Dichloropropane (0.005)	105,751	10,476	0.98%	0.26%	0.12%
Vinyl chloride (0.002)	110,603	12,392	0.50%	0.15%	0.09%
1,1,2-Trichloroethane (0.005)	109,026	11,708	0.73%	0.13%	0.07%
cis-1,2-Dichloroethylene (0.07)	102,666	9,361	1.94%	0.10%	0.03%
Toluene (1.0)	108,967	11,703	3.61%	0.02%	0.02%
1,1,1-Trichloroethane (0.2)	113,868	12,405	3.39%	0.02%	0.02%
trans-1,2-Dichloroethylene (0.1)	103,547	11,358	0.70%	0.02%	0.01%
Xylenes (10.0)	107,591	11,631	3.97%	0.01%	0.01%
Ethyl benzene (0.7)	109,027	11,698	2.10%	0.01%	0.01%
Chlorobenzene (0.1)	52,259	6,318	1.00%	0.00%	0.00%
o-Dichlorobenzene (0.6)	51,508	6,299	1.19%	0.00%	0.00%
1,4-Dichlorobenzene (0.075)	49,505	6,192	1.97%	0.02%	0.00%
Styrene (0.1)	96,171	7,994	1.20%	0.00%	0.00%
1,2,4-Trichlorobenzene (0.07)	90,603	7,374	0.91%	0.00%	0.00%

"% > MCL" indicates the proportion of systems with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples or confirmation samples as required by the primary States.

**Table A.6.a. Summary of Occurrence of VOC Regulated Contaminants in Surface Water Systems from the Initial Eight Cross-Section States - Based on Population Served**

Volatile Organic Chemicals (MCL in mg/L)	Surface Water Systems					
	Number of Analyses	Number of Systems	Total Population Served by Systems	% Population Served by Systems > MRL	% Population Served by Systems > 1/2 MCL	% Population Served by Systems > MCL
Vinyl chloride (0.002)	10,495	676	39,822,670	6.14%	3.44%	3.44%
1,2-Dichloroethane (0.005)	10,446	679	40,104,511	5.75%	3.25%	3.25%
Tetrachloroethylene (0.005)	12,136	667	40,120,168	29.01%	4.91%	3.18%
Dichloromethane (0.005)	9,464	610	39,735,767	49.66%	20.66%	1.92%
Trichloroethylene (0.005)	12,566	681	40,163,388	31.78%	22.34%	1.32%
1,2-Dichloropropane (0.005)	9,649	661	39,780,006	2.89%	0.20%	0.17%
1,1-Dichloroethylene (0.007)	11,480	679	39,977,500	4.60%	0.35%	0.17%
Benzene (0.005)	10,279	675	39,815,370	2.41%	0.72%	0.01%
1,2,4-Trichlorobenzene (0.07)	8,595	605	39,444,625	2.51%	0.00%	0.00%
cis-1,2-Dichloroethylene (0.07)	9,696	665	39,887,447	5.95%	0.00%	0.00%
Xylenes (10.0)	9,590	657	39,311,533	20.07%	0.00%	0.00%
o-Dichlorobenzene (0.6)	6,605	523	17,803,174	5.06%	0.00%	0.00%
1,4-Dichlorobenzene (0.075)	6,629	484	17,526,833	6.30%	0.00%	0.00%
trans-1,2-Dichloroethylene (0.1)	8,127	586	37,314,132	2.01%	0.00%	0.00%
1,1,1-Trichloroethane (0.2)	10,621	677	39,877,321	11.62%	0.00%	0.00%
Carbon Tetrachloride (0.005)	10,299	677	39,973,520	5.66%	0.03%	0.00%
1,1,2-Trichloroethane (0.005)	9,749	662	39,780,122	4.76%	0.21%	0.00%
Chlorobenzene (0.1)	6,712	523	17,803,690	9.77%	0.00%	0.00%
Toluene (1.0)	9,712	662	39,951,706	10.97%	0.00%	0.00%
Ethyl benzene (0.7)	9,725	661	39,772,606	3.08%	0.00%	0.00%
Styrene (0.1)	9,428	660	39,772,706	2.34%	0.00%	0.00%

"% > MCL" indicates the proportion of population served with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples of confirmation samples as required by the primary States.

**Table A.6.b. Summary of Occurrence of VOC Regulated Contaminants in Ground Water Systems from the Initial Eight Cross-Section States - Based on Population Served**

Volatile Organic Chemicals (MCL in mg/L)	Ground Water Systems					
	Number of Analyses	Number of Systems	Total Population Served by Systems	% Population Served by Systems > MRL	% Population Served by Systems > 1/2 MCL	% Population Served by Systems > MCL
Tetrachloroethylene (0.005)	116,766	9,423	43,883,073	46.68%	37.25%	32.14%
Trichloroethylene (0.005)	120,512	10,078	44,091,721	45.88%	33.36%	30.49%
Dichloromethane (0.005)	95,239	8,639	43,562,902	37.53%	23.34%	20.51%
1,1-Dichloroethylene (0.007)	104,657	10,077	44,089,203	31.79%	21.98%	19.94%
Carbon Tetrachloride (0.005)	105,019	10,074	44,089,695	24.11%	19.62%	18.40%
1,2-Dichloroethane (0.005)	102,497	10,081	44,095,527	23.37%	19.33%	17.94%
1,1,2-Trichloroethane (0.005)	98,442	9,387	43,847,546	20.41%	18.19%	17.54%
1,2-Dichloropropane (0.005)	96,181	8,833	43,677,151	23.92%	4.67%	1.77%
Benzene (0.005)	100,888	10,066	44,086,485	23.61%	1.78%	1.03%
Vinyl chloride (0.002)	100,074	10,073	44,087,462	1.73%	0.85%	0.82%
1,1,1-Trichloroethane (0.2)	103,165	10,076	42,701,428	36.26%	0.11%	0.11%
cis-1,2-Dichloroethylene (0.07)	94,709	8,372	43,551,622	32.59%	0.42%	0.11%
Xylenes (10.0)	97,254	9,323	43,374,987	28.35%	0.00%	0.00%
Ethyl benzene (0.7)	98,393	9,385	43,847,474	24.55%	0.00%	0.00%
Toluene (1.0)	98,338	9,387	43,852,683	29.60%	0.00%	0.00%
1,2,4-Trichlorobenzene (0.07)	83,593	7,020	43,063,532	1.79%	0.00%	0.00%
o-Dichlorobenzene (0.6)	50,969	6,244	11,560,698	4.99%	0.00%	0.00%
1,4-Dichlorobenzene (0.075)	48,966	6,137	11,466,073	6.00%	0.00%	0.00%
trans-1,2-Dichloroethylene (0.1)	93,536	9,089	42,059,111	22.84%	0.00%	0.00%
Chlorobenzene (0.1)	51,720	6,263	11,572,759	3.72%	0.00%	0.00%
Styrene (0.1)	89,276	7,724	43,333,336	1.86%	0.00%	0.00%

"% > MCL" indicates the proportion of population served with any analytical results exceeding the concentration value of the MCL; it does not necessarily indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly samples of confirmation samples as required by the primacy States.

## **Appendix B1. Detailed Description of Bayesian Hierarchical Model**

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## **The Hierarchical Modeling Approach for Estimating National Distributions of Contaminant Concentrations in Public Water Systems**

### **I. INTRODUCTION**

The goal of this analysis is to estimate contaminant occurrence in public water systems (PWSs) nationally by estimating system mean contaminant concentrations, as well as the probability that those estimated system means will exceed specified health thresholds. However, it is difficult to measure contaminant occurrence in drinking water because concentrations are generally quite low. As a result, concentration values below the Minimum Reporting Level (MRL) are common. (The Minimum Reporting Level is the lowest level that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.) When a concentration is below the MRL (a “non-detection”), the exact concentration value is only known to be less than that specified MRL. When the underlying probability distribution of the contaminant concentration is of interest, a non-detection contributes less information than an exactly measured value (a “detection”) does. Nevertheless, it has information that cannot be disregarded when estimating the probabilistic distribution parameters.

Historically, many different methods have been used for estimating distribution parameters when non-detection data are present. The simplest method is to replace all non-detection values by a specific number (e.g., zero,  $\frac{1}{2}$  the MRL, or the MRL). However, this substitution method is unreliable, since it likely underestimates occurrence (when zero is used) and likely overestimates occurrence (when  $\frac{1}{2}$  the MRL or the MRL is used).

Alternatively, Gilliom and Helsel (1986) and Helsel and Gilliom (1986) proposed a regression on ordered statistics (ROS) method for estimating the mean and variance of a log-normal distribution. The ROS method is based on the fact that a straight line is formed when plotting the quantiles of a normally distributed random variable (with mean  $m$  and variance  $s^2$ ) against the same quantiles of a standard normal random variate. The intercept of the line is  $m$  and the slope of the line is  $s$ . ROS was the method used by the Environmental Protection Agency (EPA) to estimate PWS mean concentrations of arsenic in drinking water (U.S. EPA 2000a).

Another frequently used method for estimating distribution parameters of data containing non-detection values is the maximum likelihood estimator (MLE). As in the conventional MLE, the likelihood of a detection (a value above the MRL) is the corresponding density value. For a non-detection, the likelihood is evaluated as the probability of observing a value that is less than the MRL, or the cumulative density of the MRL. For a given family of probability distributions, both the probability density and the cumulative density can be (in principle) explicitly expressed as a function of the probability distribution parameters. By assuming observations are independent random samples from the same distribution (or Independently, Identically Distributed, i.i.d.), the likelihood function is the product of the likelihoods of all observations. The MLE is the estimator that maximizes the likelihood function. However, the presence of non-detections makes computation of the MLE more difficult. A commonly used computational method is the Expectation-Maximization (EM) algorithm (Tanner 1991). The MLE method was used in EPA’s radon analysis to generate system mean concentration values (U.S. EPA 2000b).

Because both the ROS and MLE methods assume observations are i.i.d., when used for estimating the national distribution, it is necessary to apply both methods separately for each PWS, since it is a reasonable assumption that the contaminant concentration distribution varies from system to system. Those separately estimated system means are then pooled to form the national distribution of system means. Separately estimating distribution parameters for each PWS may lead to a biased estimate of the national distribution of system means, because (1) uncertainty of the estimated system means varies from system to system due to differences in sample size and other factors; systems with a large sample size will have much less uncertainty than systems with a small sample size and (2) systems with a large number of non-detection values may be excluded since their distribution parameters may not be adequately estimated, which will result in an overestimate of the contaminant mean concentration. In addition, because the national distribution of system means is the primary target, it is less important whether the distribution parameters for each system can be estimated or not.

Drinking water contaminant occurrence data exhibit a hierarchical structure. In other words, it is possible to imagine that there is a “super” probability distribution that governs the mean concentrations, as well as the variance, of PWSs in the United States. These means and variances determine the magnitude and spread of contaminant concentrations observed from each system. This national distribution is on the top, which generates a series of system distributions of concentration values. Thus, the data can be seen as having a two level structure: the top level is the national distribution, and the bottom level is the collection of system distributions. When analyzing hierarchically structured data, a hierarchical modeling approach is preferred (Gelman et al. 1995). This appendix presents a hierarchical model for estimating the national distribution of system mean contaminant concentrations. The model is inherently Bayesian because (1) the mean concentration of an unknown system is treated as a random variable and (2) (non-informative) prior distributions for all parameters are used in the numerical procedure.

## **II. METHOD**

Bayesian methods are currently experiencing an increasing popularity in the sciences as a means of probabilistic inference (Malakoff 1999). Among their advantages is the ability to incorporate prior information, the ease of incorporation into a formal decision analytic context, the explicit handling of uncertainty, and the straightforward ability to assimilate new information in contexts such as adaptive management. In some problems, a Bayesian approach has been shown to lead to very different conclusions than a classical approach (Ludwig 1996; Al-Khatib et al. 2001). Introduction to Bayesian statistics and decision theory can be found in Box and Tiao (1973) and Bernardo and Smith (1994).

Under the Bayesian paradigm, random variables are inferred by using probability distributions. Since distributions have unknown parameters, it is necessary to infer the distributions of parameters at many levels. If linkages among the data at various levels in the hierarchical structure can be assumed, then information at the various levels can be used to support the parameter estimation at higher levels, or within the same level. Such hierarchical thinking helps in understanding multiple parameter problems, and also plays an important role in developing computational strategies.

Perhaps even more important in practice is that non-hierarchical models are usually inappropriate for hierarchical data: with few parameters, they usually cannot fit large data sets accurately, whereas with many parameters, they tend to “overfit” such data in the sense of producing models that fit the existing data well but lead to inferior predictions for new data. In contrast, hierarchical models can have enough parameters to fit the data well, while using a population distribution to structure some dependence into

parameters, thereby avoiding problems of overfitting. Details of the Bayesian-based hierarchical modeling approach can be found in Gelman, et al. (1995) and Congdon (2001).

The model is based on the assumption that each contaminant concentration distribution at the system level can be approximated by a log-normal distribution. The national distribution is then estimated as a mixture of system distributions. The model is summarized in Equation 1:

$$\begin{aligned}
 y_{ijk} &\sim N(\mu_{ij}, \tau_1)I(,S) \\
 \mu_{ij} &= \mu + \alpha_i + b_{ij} \\
 \mu, \alpha_i, b_{ij} &\sim N(0, \tau_{2,3,4}) \\
 \tau_{1:4} &\sim \text{Gamma}(0.01, 0.01)
 \end{aligned}
 \tag{1}$$

where  $y_{ijk}$  is the  $k^{\text{th}}$  observed concentration value (in logarithm) from system  $i$ , in strata  $j$ ,  $\mu_{ij}$  is the mean and  $\tau_1$  is the precision (or the inverse of variance,  $1/\sigma^2$ ). The notation  $I(,S)$  indicates the corresponding concentration value is less than  $S$  (or non-detection). For a detection,  $S$  is set to be infinity. The mean  $\mu_{ij}$  is modeled as the sum of three normal random variables, representing the grand mean ( $\mu$ ), the strata's adjustment ( $\alpha_j$ ), and the system adjustment ( $b_{ij}$ ). The prior distributions  $\mu$ ,  $\alpha_j$ , and  $b_{ij}$  are normal distributions with means equal to zero and unknown variances. By selecting a widely dispersed prior distribution for the precision parameters (*Gamma* (0.01, 0.01)), the prior distributions used here are essentially flat and non-informative.

The objective of the model is to estimate the posterior distributions of  $\mu$ ,  $\alpha_j$ ,  $b_{ij}$ , and  $\tau_1$ . It should be noted an *a priori* constant precision  $\tau_1$  is used. This constant variance assumption is necessary because many systems in the data have only one observation. However, this prior constant variance assumption will not result in a constant posterior variance for all systems. This is because the mean  $\mu_{ij}$  is modeled as a random variable. In another words, the posterior distribution of  $y_{ijk}$  is estimated by:

$$y_{ijk} \sim \int \int_{\mu_{ij} \tau_1} N(\mu_{ij}, \tau_1) \pi(\mu_{ij}|Y) \pi(\tau_1|Y) d\mu_{ij} d\tau_1$$

where  $\pi(\mu_{ij}|Y)$  and  $\pi(\tau_1|Y)$  are the posterior distributions of the system mean and precision, respectively. Unless two systems have exactly the same posterior distribution of the mean, two systems will have different posterior variances. This setting will also result in the separation of between and within system variances. In addition, by modeling the mean as another normal random variable, the resulting log-concentration distribution is more robust against unusually large concentration values.

Intuitively, a two-level statistical model is built, reflecting all the sources of variability and uncertainty. The lower level features the observed concentration values (both detections and non-detections). Those observed log concentrations are treated as though they come from a normal distribution. When the concentration value is below the MRL, its value is uncertain and is imputed based on the fact that the value is known to be below a given value (i.e., below the MRL). The upper level represents those (for the most part, completely uncertain) features of the model that govern groups of or



perhaps all of the observations, about which information may be learned by pooling the evidence from many observations at thousands of PWSs. The upper level of the model uses widely-dispersed normal distributions to model  $\mu$ ,  $\alpha_j$ , and  $b_{ij}$ , and widely-dispersed gamma distribution to model  $\tau_1$  to reflect broad uncertainty about them.

A Markov chain Monte Carlo simulation (MCMC) method (Gilks, et al. 1996) is used for simultaneously estimating the distribution parameters by sampling the parameters from their joint posterior distribution. The MCMC is implemented using a freely available software WinBUGS (Spiegelhalter, et al. 1996). The national distribution, as well as the probabilities of exceeding certain thresholds, is estimated in the same Monte Carlo simulation. The MCMC method allows the sampling of  $\mu_{ij}$  and  $\tau_1$  from their joint posterior distribution.

Since the PWSs included in the 16-State cross-section data set is a representative sample of PWSs nationally, the system means estimated for these systems are considered to be a sample from the national system mean distribution. (Since it is assumed that the concentration values follow a log-normal distribution at the system level, the arithmetic system mean,  $m_{ij}$ , is calculated from the generated log-normal mean  $\mu_{ij}$  and variance  $\tau_1$ , (i.e.,  $m_{ij} = \exp[\mu_{ij} + 0.5/\tau_1]$ .) For each set of system mean concentrations, an empirical cumulative distribution function (CDF) of the national distribution, as well as probabilities of system mean concentrations exceeding certain thresholds, can be estimated. By repeated sampling of the system means, there exist many empirical CDFs of the national distribution and many estimates of the exceedance probabilities. These empirical CDFs are used to summarize the national distribution, as well as the uncertainty about the distribution. Note that the estimated means and variances are based on log-transformed concentration values. Thus, it is necessary to obtain the system means in the original metric.

Comparing the samples of system means to a threshold value, many samples of the proportion of systems with a mean concentration value exceeding the threshold are obtained. (These proportions are samples of the probability of a system mean exceeding the threshold.) If the MCMC process produces 500 pairs of random samples of  $\mu_{ij}$  and  $\tau_1$ , there exist 500 empirical CDFs of the national distribution, 500 random samples of the arithmetic system mean, and hence, 500 exceedance probabilities for each threshold. From these 500 probabilities, the mean, median, and the 2.5<sup>th</sup> and 97.5<sup>th</sup> percentiles (or the 95% credible interval) can be calculated to summarize the uncertainty on the quantity.

It is worthwhile to discuss the method of presenting uncertainty used by a Bayesian. The Bayesian method treats an unknown parameter as a random variable. The uncertainty of the parameter is reflected in the estimated posterior distribution. This posterior distribution is a combination of uncertainty about the data, the prior knowledge, and maybe the model. A 95% credible interval is the interval between the 2.5<sup>th</sup> and 97.5<sup>th</sup> percentiles of the posterior distribution. This interval may or may not include the mean, depending on the skewness of the posterior distribution. In other words, the credible interval is not an interval of the mean (such as the frequentist confidence interval). For some extremely skewed posterior distributions, it is quite possible that the Monte Carlo estimated 2.5<sup>th</sup> and 97.5<sup>th</sup> percentiles are the same. For example, the several estimates of the probability of system mean exceeding a given threshold have a lower 90% credible bound of zero, as well as an upper 90% credible bound of zero. This is because the posterior distribution of the probability is evaluated by Monte Carlo samples and at least 95% of the samples are equal to zero. Under such a situation, one should conclude that the chance is less than or equal to 5% to have an exceedance probability that is larger than zero.

---

### III. EVALUATION OF THE MODEL

Various tests were performed to evaluate the proposed model. A simulation study, conducted with six simulated data sets, was designed to explore the impact of the log-normal, as well as the constant variance, assumption made on the system level. In addition, the Bayesian-based hierarchical modeling approach was compared to the ROS plotting position method.

The six synthetic (or simulated) data sets were divided into three groups. The first group emphasized the comparison of the Bayesian and ROS methods. The second group of the simulated data sets were generated to evaluate the constant variance assumption. Finally, the third group of simulated data sets tested the impact of a log-normal assumption at the system level on the national distribution of system means.

The ROS method was compared to the Bayesian-based model by applying both methods to a series of synthetic data sets. The two synthetic data sets in the first group were constructed to represent both a high and low information case. The high information case was modeled after the fluoride data set, where approximately 80% of the total observations were detections. The low information case was modeled after the thallium data set, where only about 2% of the total observations were detections.

The fluoride-like and thallium-like data sets were generated, each containing the same number of PWSs and the same number of observations per PWS, as contained in the actual 16-State cross-section data set for fluoride and thallium, respectively. A number of system means were generated from a log-normal distribution. These means, along with a constant variance, were used to generate a number of log-concentration values for each system. These generated log-concentration values were censored (i.e., considered non-detections) at a fixed value:  $\log(0.11)$  for the fluoride-like data and  $\log(0.001)$  for the thallium-like data. This operation resulted in about 25% of the values below MRL of 0.11 for fluoride, and almost 90% of the values below the MRL of 0.001 for thallium. The system means of the simulated high information data sets were generated to approximately followed a log-normal distribution,  $N(-1.15, 1.33)$ , while the system means of the simulated low information data sets were generated to approximately followed a log-normal distribution,  $N(-10, 2.4)$ .

The second group of the simulated data sets were generated to evaluate the constant variance assumption. It is worth mentioning that although a constant variance was used to specify the model, the constant variance is the Bayesian prior model specification. However, the posterior variance of each system is not necessarily the same for all systems. However, two simulated data sets were produced to evaluate the constant variance assumption. Again, one data set was modeled after the 16-State fluoride data and the other modeled after the 16-State thallium data. The system means were generated in the same way as in the first group and the system variance were generated from an inverse gamma distribution.

The third group of simulated data sets tested the impact of a log-normal assumption at the system level on the national distribution of system means. Instead of using a normal distribution to generate log-concentration values for each system, two other distributions were used: (1) a Weibull distribution and (2) a 50-50 mixture of log-normal and Weibull distributions. The Weibull distribution was chosen because it is a feasible probability distribution for water quality data and it has the largest tail area difference from the log-normal distribution (Ott 1995). Both data sets were modeled after the 16-State fluoride data. Again, a log-normal distribution was used to generate the mean and an inverse gamma distribution was used to generate the variance for each system. The mean and variance were used to

calculate the scale parameter of the Weibull distribution. The shape parameter was fixed at 2, which resulted in a skewed distribution.

Tables 1-3 summarizes the six synthetic data sets. Table 1 presents general summary statistics describing each of the six synthetic data sets. The simulated system means and variances for each data set are described Tables 2 and 3, respectively.

**Table 1. Summary Statistics of the Six Synthetic Data Sets**

<b>High/Low Information</b>	<b>Distribution Assumption</b>	<b>Minimum</b>	<b>25<sup>th</sup> Percentile</b>	<b>Median</b>	<b>Mean</b>	<b>75<sup>th</sup> Percentile</b>	<b>Maximum</b>	<b>% Non-Detections</b>
High	Constant Variance	0.11	0.2389	0.4668	0.9881	1.019	66.98	20.3%
Low	Constant Variance	0.001	0.00163	0.002975	0.01554	0.007449	6.179	86.4%
High	Variable Variance	0.11	0.2317	0.4339	0.8627	0.9282	88.45	20.0%
Low	Variable Variance	0.001	0.001618	0.002989	0.02073	0.007388	35.92	87.6%
High	Weibull	0.11	0.2422	0.4659	0.9149	0.9735	47.79	19.2%
High	Mixed Distribution	0.11	0.2502	0.4892	0.9744	1.041	69.87	19.0%

**Table 2. Summary Statistics of Simulated System Means**

High/Low Information	Distribution Assumption	Minimum	1 <sup>st</sup> Quarter	Median	Mean	3 <sup>rd</sup> Quarter	Maximum
High	Constant Variance	-5.698	-1.94	-1.156	-1.159	-0.3816	2.959
Low	Constant Variance	-20.12	-11.6	-9.981	-9.993	-8.375	0.2593
High	Variable Variance	-5.323	-1.941	-1.17	-1.152	-0.3642	3.356
Low	Variable Variance	-19.26	-11.59	-9.984	-9.994	-8.378	-1.279
High	Weibull	0.00158	0.184	0.4022	0.7867	0.8839	31.72
High	Mixed Distribution	0.003666	0.185	0.4026	0.7896	0.8829	34.38

**Table 3. Summary Statistics of Simulated System Variances**

High/Low Information	Distribution Assumption	Minimum	1 <sup>st</sup> Quarter	Median	Mean	3 <sup>rd</sup> Quarter	Maximum
High <sup>1</sup>	Constant Variance			0.49			
Low <sup>1</sup>	Constant Variance			2.25			
High	Variable Variance	0.04	0.16	0.21	0.24	0.28	1.91
Low	Variable Variance	0.32	1.33	1.86	2.20	2.66	20.81
High	Weibull	0.001	0.10	0.21	0.41	0.46	16.58
High	Mixed Distribution	0.002	0.10	0.21	0.41	0.46	17.97

1. These two data sets have a constant variance. Therefore, summary statistics, other than the median, could not be generated.

Simulation results are presented in Figures 1 - 6. The national distribution estimated by the Bayesian-based hierarchical model was almost identical to the true distribution (Figure 1), while the ROS plotting position method yielded a distribution with a slightly larger variance and smaller median. Although the ROS plotting method yielded an estimate that was very close to the true CDF, the ROS method is unable to quantify the uncertainty in the estimated CDF. When the log-normal distribution was used at the system level, results similar to Figure 1 were obtained. (These results, however, are not

shown.) A numerical summary of the simulated results is not presented since the graphical presentation clearly indicates that the Bayesian-based model tracks most closely to the true distribution. In addition, the assumptions of log-normality and constant variance made in the model do not appear to influence the results.

**Figure 1. High Information-Constant Variance Synthetic Data Set**

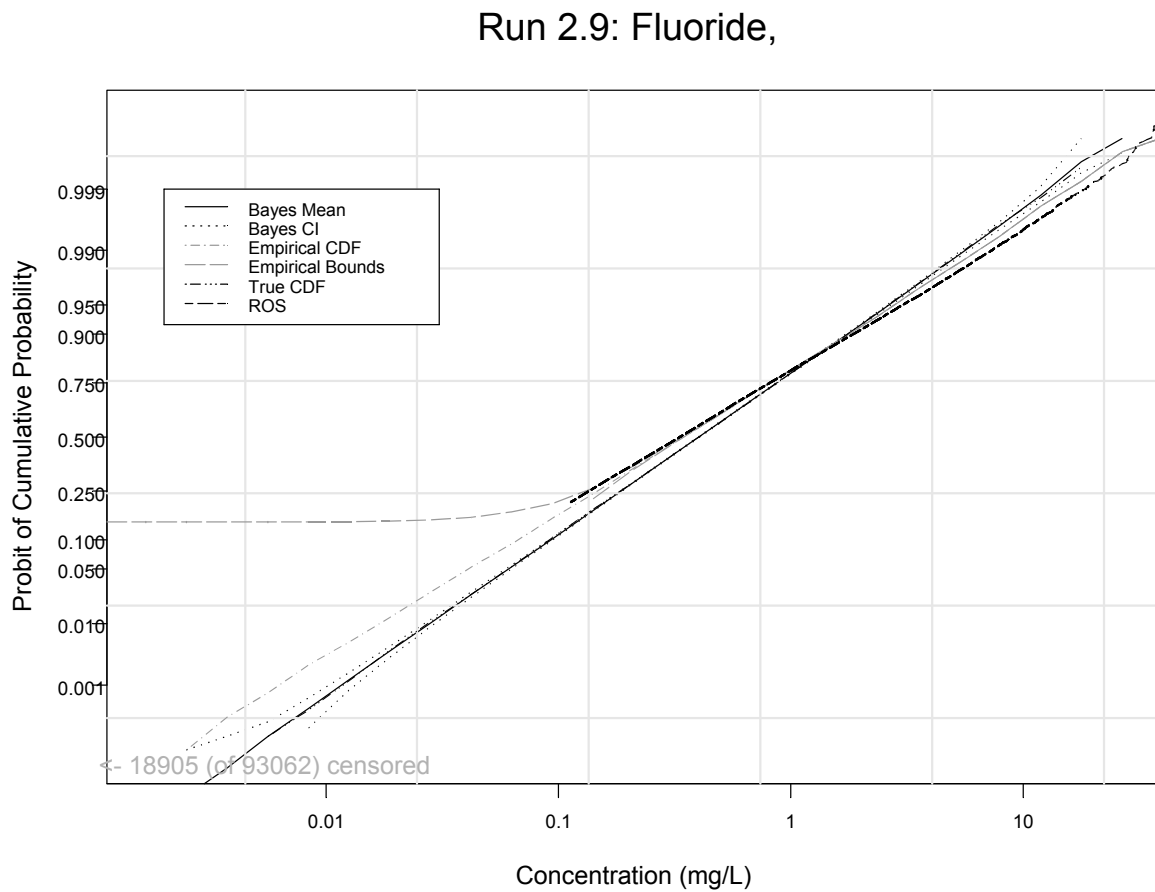


Figure 2. Low Information-Constant Variance Synthetic Data Set

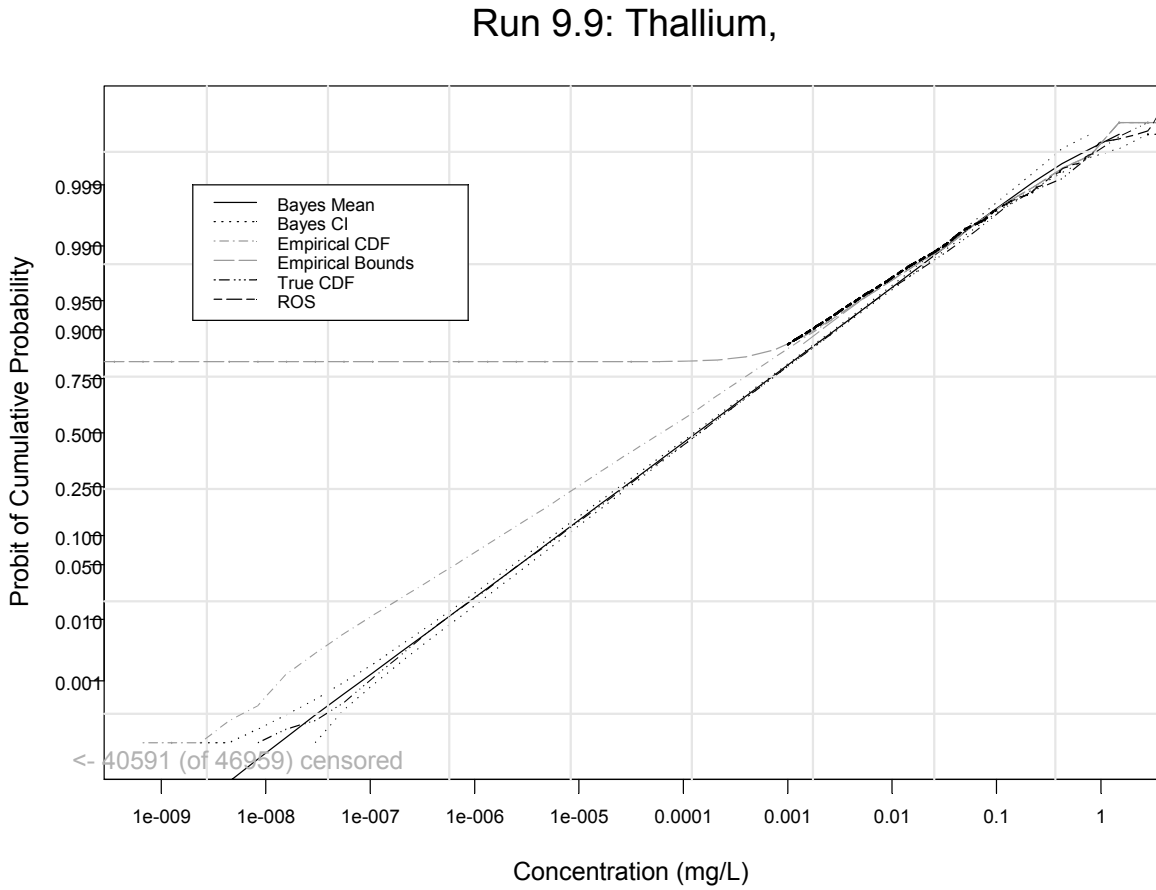


Figure 3. High Information-Variable Variance Synthetic Data Set

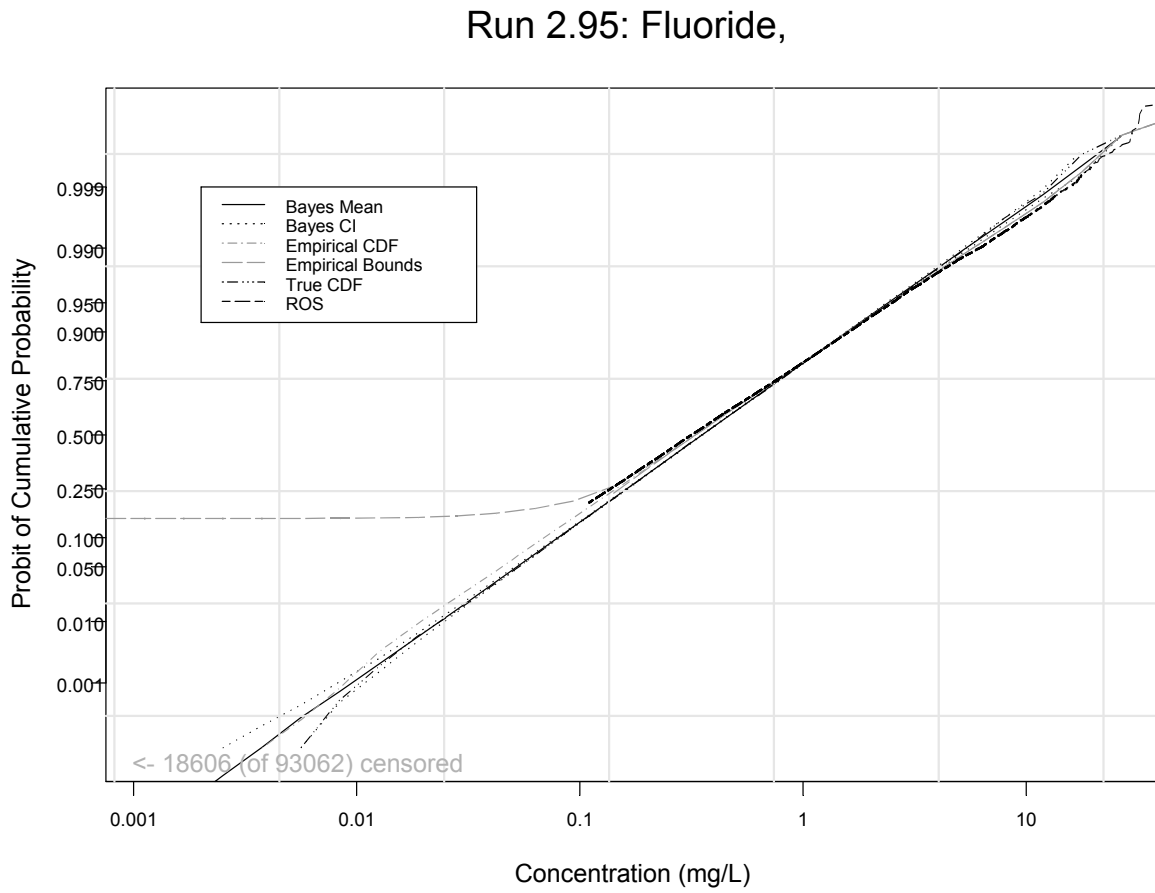


Figure 4. Low Information-Variable Variance Synthetic Data Set

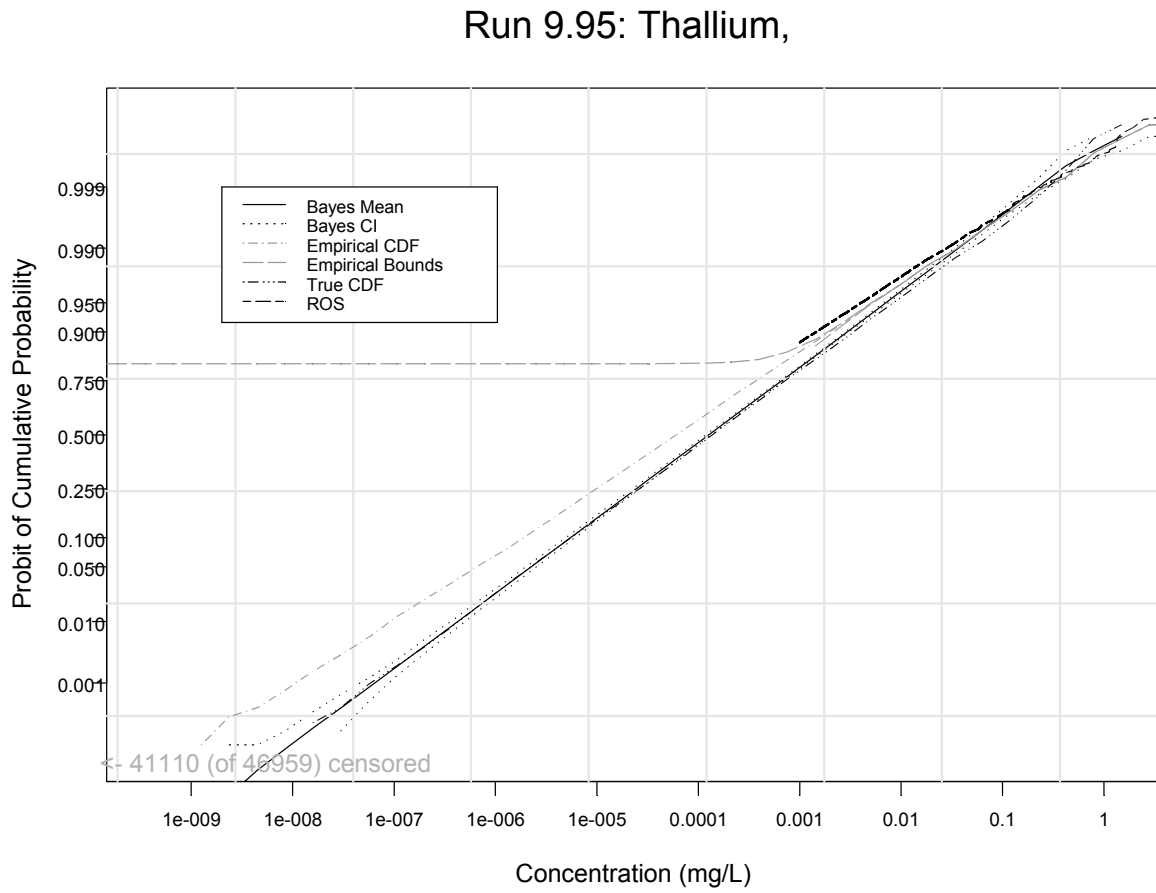




Figure 5. High Information-Weibull Distribution Synthetic Data Set

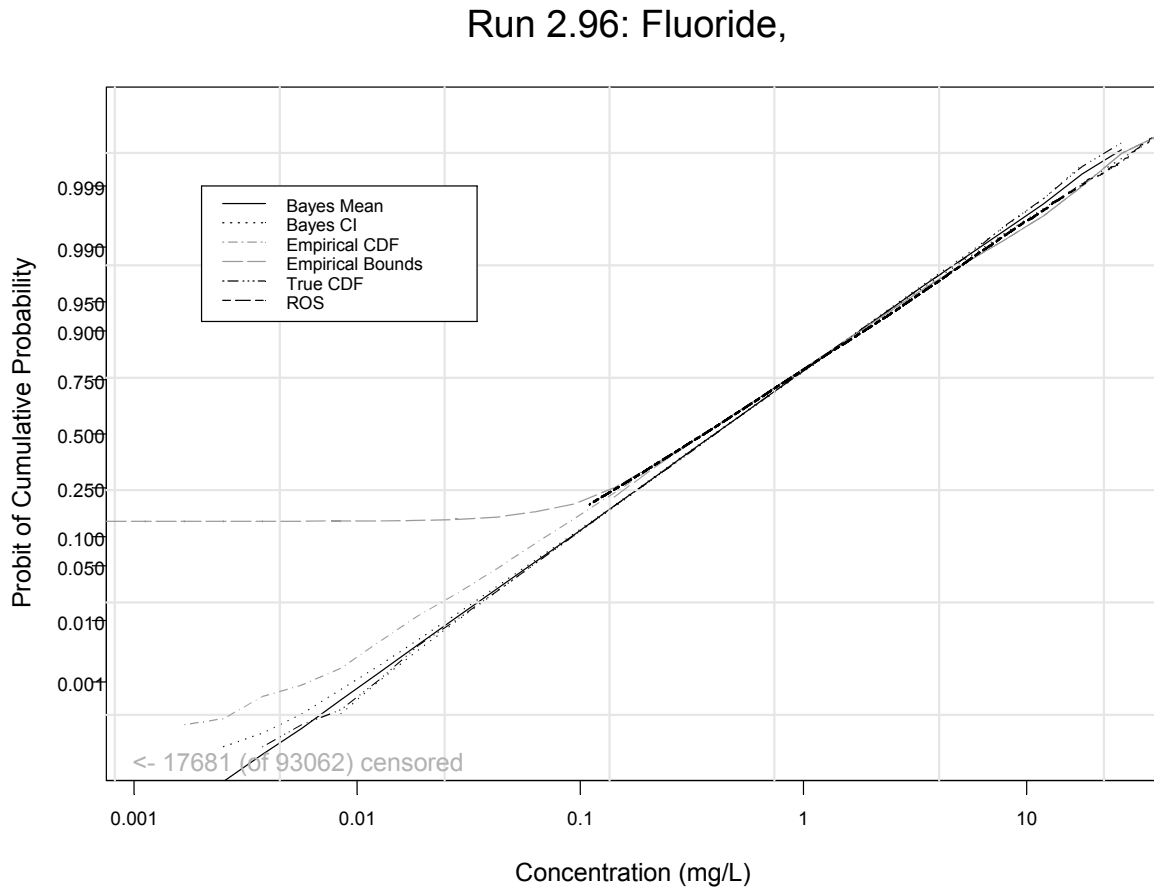
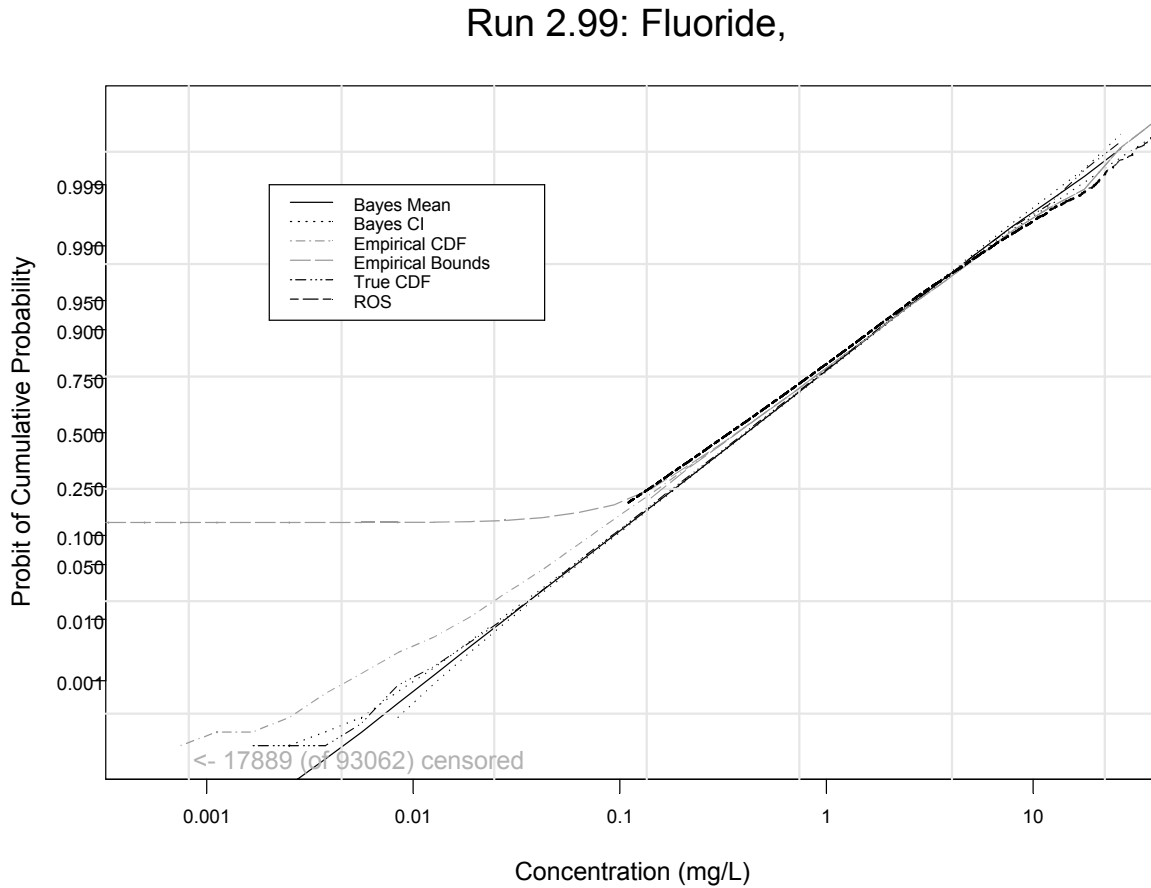


Figure 6. High Information-Mixed Distribution Synthetic Data Set



The second evaluation of the proposed model involved a test of the assumption of log-normality. This assumption was tested using the 16-State fluoride data set. The log-normal distribution is commonly used in analyzing environmental data and one can argue its adequacy on both empirical and physical basis (Ott 1995). It is, however, an assumption that is rarely tested. A mixture of two normal distributions was

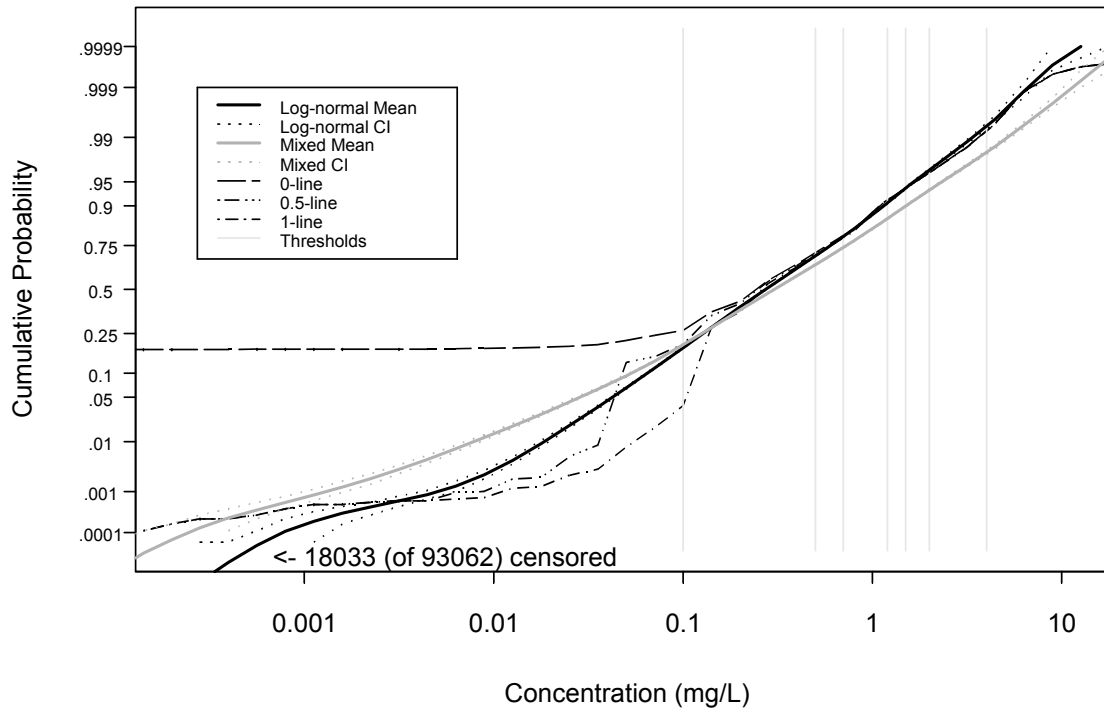
used at the system level to determine whether a better model can be found without using log-normal distribution at the system level. In other words, the first line of equation (1) was replaced by:

$$y_{ijk} \sim p \times N(\mu_{ij}^1, \tau_1^1) + (1 - p) \times N(\mu_{ij}^2, \tau_1^2)$$

where  $0 < p < 1$  is a weight of the two normal distributions, estimated in the same MCMC simulation. This setting is based on the results in Ferguson (1983), which demonstrated that an arbitrary distribution can be modeled by a mixture of normal distributions. As with all non-parametric methods, the mixture of the normal distribution approach is less efficient than the appropriate parametric method when the underlying distribution is known. The shaded curve in Figure 7 shows the national distribution of system mean fluoride concentrations predicted by the mixture-of-normal-distributions model. This distribution exhibits an inflated variance and is apparently not in agreement with the data (also see Table 4). This comparison, therefore, indicates that the log-normality assumption is appropriate for the drinking water contaminant occurrence data used in this study.

The estimated national distribution of system mean fluoride concentrations is presented using a cumulative distribution function (CDF) (see Figure 7). In the figure, the black solid line is the median, and the black dotted lines represent the 95% credible interval (which is very narrow due to large sample size). The estimated CDF is compared to three empirical CDFs calculated from system means where all non-detection values have been substituted with (1) zero (the 0-line), (2) half the modal MRL (the 0.5-line), and (3) the modal MRL (the 1-line). The shaded curve is the mixture distribution model output.

Figure 7. Mixture of Normal Distributions Model



This graphical comparison is favorable since the four CDFs converge at higher concentration values where non-detection values are less likely to occur. Since the substitutions occur at the lower end of the distribution, the differences among the four CDFs, therefore, appear at the left tail of the distribution. When examining the MRLs, it is important to note that the majority of the MRL values are equal to 0.1 mg/L. This is reflected in the figure as the widest gap between the model estimated CDF and the 1-line. The second most occurring MRL value is 0.2 mg/L, where the 1-line diverted from the model estimated CDF slightly. As expected, the estimated CDF is bounded by the 0- and 1- lines, and is close to the 0.5-line.

Table 4 presents a comparison of selected percentiles of the estimated national distribution, based on model prediction, to three empirical CDFs, based on the substitutions. As expected, the differences between the model predicted and the empirical percentiles are mainly in the lower half of the distribution.

**Table 4. Comparison of Selected Percentiles (mg/L) of Five Estimated National Distributions of System Mean Fluoride Concentrations**

Estimated National Distribution	5 <sup>th</sup> Percentile	10 <sup>th</sup> Percentile	25 <sup>th</sup> Percentile	50 <sup>th</sup> Percentile	75 <sup>th</sup> Percentile	90 <sup>th</sup> Percentile	95 <sup>th</sup> Percentile
Low <sup>1</sup>	0	0	0.08	0.21	0.59	1.10	1.68
Middle <sup>2</sup>	0.05	0.05	0.10	0.23	0.60	1.10	1.68
High <sup>3</sup>	0.10	0.10	0.13	0.24	0.60	1.10	1.68
Mixed <sup>4</sup>	0.03	0.05	0.13	0.30	0.74	1.51	2.34
Model Prediction	0.05	0.07	0.13	0.27	0.60	1.11	1.57

1. The “low” estimated national distribution was calculated from system means where all non-detection values were substituted with zero.
2. The “middle” estimated national distribution was calculated from system means where all non-detection values were substituted with 1/2 the modal MRL.
3. The “high” estimated national distribution was calculated from system means where all non-detection values were substituted with the modal MRL.
4. The “mixed” estimated national distribution was calculated using a mixture of two normal distributions at the system level.

In conclusion, both the simulated study and the mixture model indicated that the Bayesian-based hierarchical model is appropriate for use in this study. The simulated study showed that the prior assumptions about the contaminant distribution do not have an undue influence on the posterior estimate of the national distribution of system means. The mixture model study showed that using a log-normal distribution at the system level is appropriate. When the log-normal assumption is not used, the estimated national distribution has a slightly larger variance, which may result in an overestimate of the exceedance probabilities.

#### IV. DISCUSSION

There are three advantages of using the hierarchical modeling approach in this study. First, the log-normal assumption has much less of an impact on the final estimate of the national distribution. This can be explained in two levels: (1) The national distribution is expressed as a mixture of many log-normal distributions, and the resulting national distribution is not subject to the log-normality assumption. This flexibility makes the model prediction more realistic; (2) At the system level, the log-normality is conditional on the system mean, and the system mean is modeled as a sum of two random variables. As a consequence, the log-normal assumption at the system level is also relaxed.

The second advantage of the hierarchical approach is the relatively light computational burden. This is because the hierarchical model produces the national distribution in one model run, while for the ROS plotting position method to be used properly, mean concentration distribution for each water supply system has to be estimated separately.

The third advantage of using the hierarchical modeling approach is its Bayesian feature that allows combining information from all systems. This is a desired feature because not all the water supply systems have the same amount of data and some systems have all measurements below the MRL. As a result, if the national distribution were estimated based on individual system distributions, as in the ROS

plotting position method, uncertainty in estimated individual system distributions would vary significantly.

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## ADDENDUM

This addendum includes the WinBUGS program of the hierarchical model, as well as the S-Plus programs used for creating input files and processing output from the hierarchical model. These programs are included for review purpose only. They are not to be distributed without written consent from the developer.

### A. The WinBUGS Program of the Hierarchical Model

```
# Song S. Qian, 30 March 2001, revised 17 April 2001, 25 May 2001
# National distribution of regulated contaminants concentrations.
# A hierarchical modeling for normally distributed data containing detections and non-detections
#
# Data:
#   y - contaminant concentrations (sorted by system id)
#   n - length of y
#   cj - minimum reporting levels (if detection  $c_j = \exp(1000)$ )
#   pwsid - public water system id
#   strata - M (10) level strata indicating source water type and population served
#   mstrata - strata id of each system
#   npwsid - incremental # of observations in water systems
#   cr - water quality criteria
#   K - length of cr
#
# Output to be monitored:
#   beta - slope of strata
#   prob - prob. of system mean exceeding cr (for each strata)
#   cdf - cdf of the system mean distribution
#   cbar - system means
#   cbarsys - mean of cbar
#   cbarstrata - mean concentrations in each strata
model{
  for (i in 1:n){
    y[i] ~ dnorm(mu[i], tau)I(, cj[i]);
    mu[i] <- mu1[pwsid[i]] + beta[strata[i]] ;
  }
  for (i in 1:M){
    beta[i] ~ dnorm(0, prec[2]);
    cbarstrata[i] <- sum(cbarst[1:L, i])/nstrata[i];
  }
  for (l in 1:L){
    mu1[l] ~ dnorm(0, prec[3]);
    cbar[l] <- exp(mu1[l] + beta[mstrata[l]] + 0.5/tau);
    for (k in 1:K){
      exceed[k, l] <- step(cbar[l] - cr[k]);
    }
    for (k in 1:(CUTS[3] + 1)){
      cdfs[1,k] <- step(cut[k] - cbar[l]);
    }
  }
  for (j in 1:M){
```



```

                cbarst[l, j] <- cbar[l] * equals(mstrata[l], j);
            }
        }
    for (k in 1:K){
        for (i in 1:L){
            for (j in 1:M){
                ex[k, i, j] <- exceed[k, i] * equals(mstrata[i], j);
            }
        }
        for (j in 1:M){
            prob[j, k] <- sum(ex[k, 1:L, j])/nstrata[j];
        }
        probAll[k] <- sum(ex[k,,])/L;
        probG[k] <- (sum(ex[k,,1])+sum(ex[k,,2])+sum(ex[k,,3])+sum(ex[k,,4])+sum(ex[k,,5]))/nG;
        probS[k] <- (sum(ex[k,,6])+sum(ex[k,,7])+sum(ex[k,,8])+sum(ex[k,,9])+sum(ex[k,,10]))/nS;
    }
    for (i in 1:3){
        prec[i] ~dgamma(0.01, 0.01);
    }
    for (k in 0:CUTS[3]){
        cut[k+1] <- pow(10, CUTS[1] + k*CUTS[2]);
        cdf[k+1] <- mean(cdfsys[1:L, k+1]); # mean of system means
    }
    tau ~ dgamma(0.01, 0.01);
    sigma <- sqrt(1/tau);
    cbarsys <- mean(cbar[1:L]);
}

```

## **B. S-Plus Program for Creating the BUGS Input Data Files**

```

# creating input data files for BUGS run
# Necessary inputs for function bugs.in:
#     y[i]: concentration data log-transformed.
#     source[i]: type of source water 1 or 2
#     pops[i]: population served 1, ..., 5
#     cj[i]: minimum reporting levels (log-transformed).
# Initial values:
#     y[i]: non-detection y values, use 0.5*cj
#     e[i]: residuals: rep(0, n)
#     prec[1:4]: precision of ei, beta1, beta2, mu1
#     beta1[j], beta2[k], rep(0, I), rep(0, K); I: # of source type, K: number of population category
#     mu1[l]: rep(0, L); L: # of systems
#     tau: 0.1
to2 <- function(n) { if(n<10) paste("0",as.character(n),sep="") else
                        as.character(n) }

```

```
#####
# Input Data #
#####

pops.fun <- function(x){
  ifelse(x<=500,      1, x)->x
  ifelse(x>500 & x<=3300, 2, x)->x
  ifelse(x>3300 & x<=10000, 3, x)->x
  ifelse(x>10000 & x<=50000, 4, x)->x
  ifelse(x>50000,      5, x)->x
  return(x)
}

bugs.in <- function(run = 0, base = "c:\\users\\song\\cadmus\\occurrence",
  infile = Flu, contaminant = "Fluoride", cuts=c(-4, 2), ncuts=40,
  cr=c(4, 2, 0.5, 0.1)){
  # This version sorts the data by system id (pwsid)
  # for calculating both strata means and systems means.
  # cuts: concentration range where CDF will be estimated
  # cr: critical values in original scale
  rundir <- paste(base, "runs", to2(run), sep="\")
# input data
  oo <- order(infile$PWSID)
  infile <- infile[oo,]
  y <- log(infile$VALUE)
  n <- length(y)
  m <- sum(infile$DETECT==1)
  y[infile$DETECT==0] <- NA
  source <- as.numeric(ordered(infile$SOURCE)) # 1=G, 2=S
  I <- length(unique(source))
  pops <- pops.fun(infile$POPSERV)
  strata <- paste(source, pops, sep=".")
  M <- length(unique(strata))
  strata <- as.numeric(ordered(strata))
  pwsid <- as.numeric(ordered(infile$PWSID))
  L <- length(unique(pwsid))
  npwsid <- as.vector(table(ordered(infile$PWSID)))
  mstrata <- strata[cumsum(npwsid)]
  nstrata <- as.vector(table(mstrata))
  if(sum(nstrata)!=L)stop("number of systems not equal")
  J <- length(nstrata)
  nG <- length(unique(pwsid[source==1]))
  nS <- length(unique(pwsid[source==2]))
  if(L!=(nG+nS))stop("S+G!=All")
  cj <- log(infile$VALUE)
  cj[infile$DETECT==1] <- 1000
  bugs.dat <- list(n=n, M=M, K=length(cr), L=L, y=y, cj=cj, strata=strata, nstrata = nstrata, mstrata=mstrata,
    pwsid=pwsid, npwsid=c(0,cumsum(npwsid)), CUTS=c(cuts[1], (cuts[2]-cuts[1])/ncuts, ncuts),
    cr=cr, nS=nS, nG=nG)
# initial values
  yi <- 0.5*cj
  yi[infile$DETECT==1] <- NA
  mu1 <- rep(0, L)
  beta <- rep(0, M)
```

```
tau <- 0.01
bugs.ini <- list(y=yi, mu1=mu1, beta=beta, tau=tau, prec=rep(0.01, 3), tt = rep(0, n))
# log file
bugs.log <- list(run=run, contaminant=contaminant, rundir=rundir,
                CUTS=c(cuts[1], (cuts[2]-cuts[1])/ncuts, ncuts), cr=cr, K=length(cr),
nstrata=nstrata)
# BUGS files
dput(bugs.dat, paste(rundir,"occdat.txt",sep="\\"));
dput(bugs.ini, paste(rundir,"occini.txt",sep="\\"));
dput(bugs.log, paste(rundir,"occlog.txt",sep="\\"));
invisible()
}
```

### **C. S-Plus Program for Processing the BUGS Output Data Files**

```
# Routines for plotting CDF's and saving summary statistics.
#
# Gamma priors on s.d. scale
fsig <- function(s, a, t) { return(fs <- 2 * exp(-t/s^2) / s^(2*a+1)); }
pfsig <- function(a, t, lab=NA, hi=0) {
  md <- sqrt(t/(a + 0.5));
  if(a>.5) {mu <- sqrt(t)*exp(lgamma(a - 0.5)-lgamma(a)); }
  else { mu <- Inf; }
  if(a>1) { sd <- sqrt(t/(a-1)-mu^2); }
  else { sd<-Inf; }
  hi <- max(hi,3*md);
  x <- seq(0, hi,,101);
  y <- fsig(x, a, t);
  if(is.na(lab)) {lab <- paste("sd = 1/sqrt(t) if t~Ga(",
  signif(a,2),",", signif(t,2),")",sep="") }
  plot(x, y, type = "l", axes=F, ylab="Prob Density", xlab=lab);
  axis(side=1);
  abline(v=0);
  if(a>.5) { abline(v=mu); }
  list(mode=md, mean=mu, sdev=sd);
}
if(!exists("ps.colors.hsb")) source("c:/users/song/cadmus/water/bugs/hsb.q");
# Finds (approximate) quantiles from cdf vector
p2q <- function(x, cdf, p, cut=c(-6,.25,40), con) {
  if(missing(con)||is.null(con)) con <- c(-5:2)
  if(missing(x)) x <- log(10)*seq(cut[1],cut[2],1+cut[3]);
  if(missing(cdf)) cdf <- pnorm(x);
  if(missing(p)) p <- .01*c(5,10,25,50,75,80,90,95);
  xj <- seq(nx <- length(x));
  np <- length(p<-c(p));
  q <- rep(NA,np);
  for(i in 1:np) {
    j <- sum(cdf<=p[i]);
    if((j==1)||(j==nx))
      q[i] <- x[j];
    else
```

```

    q[i] <- x[j] + (x[j+1]-x[j])*(p[i]-cdf[j])/(cdf[j+1]-cdf[j]);
  }
  nc <- length(con)
  pc <- rep(NA, nc)
  for (i in 1:nc){
    j <- sum(x <= log(10)*con[i])
    if ((j == 1) || (j == nc))
      pc[i] <- cdf[j]
    else
      pc[i] <- cdf[j] + (cdf[j+1]-cdf[j])*(con[i]-x[j])/(x[j+1]-x[j])
  }
  myj <- round(1+(con-cut[1])/cut[2]);
  myj[myj<1] <- 1; myj[myj>cut[3]] <- 1+cut[3];
  invisible(list(p1=p, q1=signif(exp(q),3),
    p2=cdf[myj], q2=exp(x[myj]),
    p3=pc, q3=signif(10^(con),3),
    y=cdf, x=exp(x)));
}
# Plot posterior cdf from BUGS run of EPA data:
my.cdf <-
function(run = 0, base = "c:/users/song/cadmus/occurrence", ps = T, wmf = F, infile=Flu, ifname="Flu",
Con=NULL, unit="mg/L")
{
  rundir <- paste(base, "runs", to2(run), sep = "/")
  print(paste("Using directory ", rundir, ".", sep = ""))
  psw <- dget(paste(rundir, "occlog.txt", sep = "/"))
  run <- psw$run
  cr <- psw$cr
  mycon <- psw$contaminant
  mytitle <- paste("Run ", run, ":", mycon, " ", sep = "")
  new.wmf <- function(n, name = "", dir = rundir){
    if (wmf) {
      fname <- paste(dir, "/", name, to2(n), ".wmf", sep = "")
      win.printer(file=fname, height=6, width=8, format="metafile")
      print(paste("Writing Windows Meta file ", fname, sep = ""))
    }
  }
  new.ps <- function(n, name = "", dir = rundir)
  {
    if(ps) {
      fname <- paste(dir, "/", name, to2(n), ".ps", sep = "")
      postscript(fname, hori = T, colors = ps.colors.hsb[c("black", "white", "RoyalBlue1",
"red1", "purple",
"green4", "yellow2"), ])
      print(paste("Writing postscript file ", fname, sep = ""))
    }
  }
  mswcol <- 1;
  rawcol <- 6 # Green for empirical stuff
  ps.off <- function()
  {
    if(ps) {

```

```

        dev.off()
    }
}
wmf.off <- function()
{
    if(wmf) {
        dev.off()
    }
}
cdf <- read.table(paste(rundir, "cdf.txt", sep = "/"), head = T, sep = "\t")

prob <- read.table(paste(rundir, "prob.txt", sep = "/"), head = T, sep = "\t")
probG <- read.table(paste(rundir, "probG.txt", sep = "/"), head = T, sep = "\t")
probS <- read.table(paste(rundir, "probS.txt", sep = "/"), head = T, sep = "\t")
probAll <- read.table(paste(rundir, "probAll.txt", sep = "/"), head = T, sep = "\t")
cbarstrata <- read.table(paste(rundir, "cbarstrata.txt", sep = "/"), head = T, sep = "\t")
cbarsys <- read.table(paste(rundir, "cbarsys.txt", sep = "/"), head = T, sep = "\t")
cbarG <- sum(cbarstrata$mean[1: 5]*psw$nstrata[1: 5])/sum(psw$nstrata[1: 5])
cbarS <- sum(cbarstrata$mean[6:10]*psw$nstrata[6:10])/sum(psw$nstrata[6:10])
cbarG.sd <- sum(cbarstrata$sd[1: 5]*psw$nstrata[1: 5])/sum(psw$nstrata[1: 5])
cbarS.sd <- sum(cbarstrata$sd[6:10]*psw$nstrata[6:10])/sum(psw$nstrata[6:10])
K <- psw$K
mean.prob <- rbind(matrix(prob$mean, ncol=K, nrow=10, byrow=T), probG$mean, probS$mean,
                    probAll$mean)
prob2.5 <- rbind(matrix(prob$X2.5, ncol=K, nrow=10, byrow=T), probG$X2.5, probS$X2.5,
probAll$X2.5)
prob97.5 <- rbind(matrix(prob$X97.5, ncol=K, nrow=10, byrow=T), probG$X97.5, probS$X97.5,
                    probAll$X97.5)
prob5 <- rbind(matrix(prob$X5.0, ncol=K, nrow=10, byrow=T), probG$X5.0, probS$X5.0, probAll$X5.0)
prob95 <- rbind(matrix(prob$X95.0, ncol=K, nrow=10, byrow=T), probG$X95.0, probS$X95.0,
                    probAll$X95.0)

out.table <- data.frame(mean.conc=c(cbarstrata$mean, cbarG, cbarS, cbarsys$mean),
                        sd.mean = c(cbarstrata$sd, cbarG.sd,
cbarS.sd, cbarsys$sd));
nm <- names(out.table)
for (i in 1:K){
    out.table <- cbind(out.table, mean.prob[,i], prob2.5[, i], prob97.5[,i], prob5[, i], prob95[,i])
    nm <- c(nm, paste("prob.MCL", i, sep=""), paste("CI95L", i, sep="."), paste("CI95H", i, sep="."),
            paste("CI90L", i, sep="."), paste("CI90H", i, sep="."))
}
names(out.table) <- nm
ncut <- psw$CUTS[3] + 1
cdf.raw <- rep(0, ncut)
temp <- p2q(cdf = cdf$mean, cut = psw$CUT, con=Con)
new.ps(run, "cdf", rundir)
new.wmf(run, "cdf", rundir)
x <- log(10) * seq(psw$CUTS[1], , psw$CUTS[2], psw$CUTS[3] + 1)
xx <- log(10) * psw$CUTS[2] + x # Trailing edge of step
xat <- log(10) * seq(psw$CUTS[1], psw$CUTS[1] + psw$CUTS[2] * psw$CUTS[3])
xlab <- as.character(signif(10^seq(psw$CUTS[1], psw$CUTS[1] + psw$CUTS[2] * psw$CUTS[3]), 1))

```

```
plot(x, cdf$mean, type = "n", axes = F, xlab = paste("Concentration (", unit, ")", sep=""), ylab =
"Cumulative Probability", ylim=c(-0.04, 1))
disclaimer <- paste("Draft for Discussion:", substring(date(), 4, 10), ", ", substring(date(), 20), sep = "")
stamp(disclaimer)
axis(side = 1, at = xat, labels = xlab)
axis(side = 2, at = seq(0, 1, , 11))
lines(x, cdf$mean, col = mswcol, lwd = 2) # Mean
lines(x, cdf$X5.0, col = mswcol, lty = 2) # 5%
lines(x, cdf$X95.0, col = mswcol, lty = 2) # 95%
old.ht <- 1000000000
xraw <- log(infile$VALUE)
nraw <- length(xraw)
xraw.clean <- xraw[infile$DETECT==1]

segments(log(cr), rep(0, length(cr)), log(cr), rep(1, length(cr)), col=3)
nok <- length(xraw.clean) # Eliminates 0's, NA's and non-detections
nzip <- sum(infile$DETECT==0) # number of non-detections
ntot <- nraw
xtem <- jitter(xraw.clean)
segments(xtem, rep(-0.02, nok), xtem, rep(0, nok), col = rawcol)
text(xat[1] + 4, -0.04, paste("<- ", nzip, " (of ", ntot, ") non-detection", sep = ""), col = rawcol)
title(mytitle)
ps.off()
wmf.off()
sink(paste(rundir, "/cdf", to2(run), ".out", sep = ""))
print("Estimated Quantiles")
pred.quant <- temp$q1
print(rbind(temp$p1,temp$q1));
print("Quantiles of the Raw Data")
print(quantile(infile$VALUE, prob=c(0.05, 0.1, 0.25, 0.5, 0.75, 0.8, 0.9, 0.95)))
print(rbind(temp$q3,temp$p3));
print(paste("Run: ", psw$run, ", Contaminant: ", psw$contaminant, sep = ""))
print(disclaimer)
sink()
invisible(out.table)
}
```

## **Appendix B2. 16-State Cross-Section Data Used for Stage 2 Analysis**

- Table B.1.a. Alachlor - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.2.a. Antimony - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.3.a. Atrazine - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.4.a. Barium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.5.a. Benzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.6.a. Benzo(a)pyrene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.7.a. Beryllium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.8.a. Bis(2-ethylhexyl)adipate - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.9.a. Bis(2-ethylhexyl)phthalate - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.10.a. Cadmium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.11.a. Carbofuran - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.12.a. Carbon Tetrachloride - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.13.a. Chlordane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.14.a. Chromium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.15.a. Cyanide - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.16.a. 2,4-D - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category

- Table B.17.a. Dalapon - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.18.a. 1,2-Dibromo-3-chloropropane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.19.a. 1,4-Dichlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.20.a. o-Dichlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.21.a. 1,2-Dichloroethane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.22.a. 1,1-Dichloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.23.a. cis-1,2-Dichloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.24.a. trans-1,2-Dichloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.25.a. Dichloromethane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.26.a. 1,2-Dichloropropane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.27.a. Dinoseb - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.28.a. Diquat - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.29.a. Endothall - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.30.a. Endrin - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.31.a. Ethylbenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.32.a. Ethylene Dibromide - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.33.a. Fluoride - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.34.a. Glyphosate - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category



- Table B.35.a. Heptachlor - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.36.a. Heptachlor Epoxide - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.37.a. Hexachlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.38.a. Hexachlorocyclopentadiene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.39.a. Lindane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.40.a. Mercury - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.41.a. Methoxychlor - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.42.a. Monochlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.43.a. Oxamyl - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.44.a. PCBs - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.45.a. Pentachlorophenol - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.46.a. Picloram - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.47.a. Selenium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.48.a. Simazine - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.49.a. Styrene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.50.a. Tetrachloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.51.a. Thallium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.52.a. Toluene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category

- Table B.53.a. Toxaphene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.54.a. 2,4,5-TP - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.55.a. 1,2,4-Trichlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.56.a. 1,1,1-Trichloroethane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.57.a. 1,1,2-Trichloroethane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.58.a. Trichloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.59.a. Vinyl Chloride - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.60.a. Xylenes (Total) - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.1.b. Alachlor - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.2.b. Antimony - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.3.b. Atrazine - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.4.b. Barium - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
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- Table B.56.b. 1,1,1-Trichloroethane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.57.b. 1,1,2-Trichloroethane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.58.b. Trichloroethylene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.59.b. Vinyl Chloride - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category
- Table B.60.b. Xylenes (Total) - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category

**Table B.1.a. Alachlor - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,090	255	57	966	154	1,105	77	599	24	165	1
CA	7,320	613	405	901	227	1,015	115	2,403	139	2,388	58
FL	4,641	1,972	1,380	708	443	383	122	774	139	804	62
IL	5,291	1,737	505	2,090	379	558	89	697	55	209	3
IN	2,901	1,298	893	707	377	386	79	405	38	105	4
KY	1,743	1,197	169	368	47	129	16	37	5	12	1
MI	1,278	743	644	391	271	101	53	31	13	12	4
MT	1,621	1,062	647	262	77	127	11	170	2		
NE	1,660	799	443	567	178	109	23	173	9	12	1
NJ											
NM	4,264	2,033	531	858	126	366	23	620	17	387	2
OR	593	394	327	116	68	35	12	46	12	2	1
SC	5,806	2,452	664	1,452	147	1,249	44	425	14	228	2
SD	773	376	145	176	60	131	14	90	4		
TX	3,742	1,820	1,178	950	423	627	135	303	54	42	6
VT	949	746	404	160	57	43	8				
All States	45,672	17,497	8,392	10,672	3,034	6,364	821	6,773	525	4,366	145
<b>Surface Water</b>											
AL	801	38	8	67	11	117	16	355	32	224	9
CA	2,578	30	9	20	9	70	8	462	21	1,996	52
FL	79	2	1	10	5	10	3	34	7	23	5
IL	2,107	71	3	785	36	414	22	590	32	247	16
IN	603	36	6	91	11	100	16	171	13	205	8
KY	1,519	182	26	389	48	429	53	444	57	75	5
MI	240	5	4	66	16	73	15	76	19	20	6
MT	247	35	19	77	18	60	9	64	3	11	2
NE	160	6	2	21	3	20	3	19	1	94	1
NJ											
NM	250	56	17	60	12	44	5	39	4	51	1
OR	424	67	43	131	59	80	18	105	21	41	4
SC	667	56	9	174	21	120	12	246	24	71	7
SD	161	21	9	14	7	48	8	48	7	30	2
TX	2,828	544	90	724	121	498	70	613	65	449	30
VT	364	54	32	116	31	54	8	132	6	8	1
All States	13,028	1,203	278	2,745	408	2,137	266	3,398	312	3,545	149

\* Blank cells indicate that there were no analytical results for that State.

**Table B.2.a. Antimony - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	686	69	50	248	152	229	77	110	24	30	1
CA	6,977	1,045	674	1,023	288	971	135	2,097	156	1,841	65
FL	5,206	2,169	1,255	956	396	428	95	731	115	922	52
IL	160	53	51	62	52	17	15	15	7	13	2
IN	2,897	1,579	900	839	376	237	81	208	38	34	4
KY	877	584	195	196	47	73	16	19	5	5	1
MI	0										
MT	1,096	624	410	339	69	56	10	77	2		
NE	991	350	232	372	162	134	23	130	9	5	1
NJ	3,469	1,645	1,017	623	243	381	71	679	64	141	4
NM	1,689	885	459	325	113	125	22	208	16	146	2
OR	616	446	377	120	74	22	11	27	12	1	1
SC	3,658	2,183	682	678	145	524	43	189	11	84	2
SD	372	256	241	79	58	22	12	15	4		
TX	5,379	2,541	2,327	2,014	1,131	538	296	221	86	65	11
VT	1,090	889	479	169	60	32	8				
All States	35,163	15,318	9,349	8,043	3,366	3,789	915	4,726	549	3,287	146
<b>Surface Water</b>											
AL	523	36	8	53	11	84	16	209	32	141	9
CA	2,838	76	28	98	30	83	23	459	28	2,122	61
FL	92	6	1	24	5	12	2	29	5	21	3
IL	67	2	2	30	30	13	13	16	16	6	6
IN	371	27	6	58	11	84	16	96	13	106	8
KY	1,000	116	34	262	48	280	53	303	57	39	4
MI	0										
MT	254	47	19	106	18	42	9	47	3	12	2
NE	59			4	2	9	3	11	3	35	1
NJ	432	4	1	18	4	29	5	112	11	269	12
NM	62	10	5	16	7	14	2	7	2	15	1
OR	528	102	44	187	59	75	18	122	21	42	4
SC	497	40	9	96	20	110	12	190	25	61	7
SD	42	9	9	6	6	8	7	5	4	14	2
TX	1,447	260	100	381	123	291	71	272	66	243	30
VT	382	72	28	177	33	47	8	79	6	7	1
All States	8,594	807	294	1,516	407	1,181	258	1,957	292	3,133	151

\* Blank cells indicate that there were no analytical results for that State.

**Table B.3.a. Atrazine - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,100	255	57	966	154	1,118	77	596	24	165	1
CA	13,673	1,293	767	1,860	334	1,959	140	4,336	152	4,225	63
FL	4,631	1,974	1,379	708	443	378	122	776	139	795	62
IL	5,294	1,735	505	2,091	379	557	89	699	55	212	3
IN	2,989	1,332	892	716	377	403	79	417	38	121	4
KY	1,829	1,265	169	383	47	130	16	39	5	12	1
MI	1,278	743	644	391	271	101	53	31	13	12	4
MT	1,646	1,069	646	266	77	131	11	180	2		
NE	1,660	799	443	567	178	109	23	173	9	12	1
NJ	0										
NM	4,257	2,020	531	860	126	369	23	624	17	384	2
OR	603	402	331	121	69	35	12	43	12	2	1
SC	5,813	2,459	666	1,452	147	1,249	44	425	14	228	2
SD	771	376	145	174	60	131	14	90	4		
TX	3,771	1,826	1,178	951	423	628	135	324	55	42	6
VT	872	685	386	146	55	41	8				
All States	52,187	18,233	8,739	11,652	3,140	7,339	846	8,753	539	6,210	150
<b>Surface Water</b>											
AL	815	43	8	67	11	119	16	359	32	227	9
CA	4,904	26	10	50	18	108	14	1,049	24	3,671	54
FL	74	2	1	9	4	10	3	30	6	23	5
IL	2,138	71	3	787	36	426	22	597	32	257	16
IN	725	37	6	125	11	142	16	188	13	233	8
KY	1,575	193	26	406	48	431	53	472	57	73	5
MI	241	5	4	66	16	73	15	77	19	20	6
MT	252	35	19	80	18	61	9	64	3	12	2
NE	130	6	2	21	3	9	1			94	1
NJ	0										
NM	251	54	17	60	12	44	5	44	4	49	1
OR	429	67	43	129	59	83	18	109	21	41	4
SC	658	49	7	174	21	118	12	246	24	71	7
SD	168	16	6	14	7	48	8	54	7	36	2
TX	2,732	492	77	706	118	498	70	587	63	449	30
VT	213	27	14	88	27	47	8	44	5	7	1
All States	15,305	1,123	243	2,782	409	2,217	270	3,920	310	5,263	151

\* Blank cells indicate that there were no analytical results for that State.



**Table B.4.a. Barium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	1,491	150	56	549	153	480	77	261	24	51	1
CA	18,088	1,810	868	2,955	378	2,967	157	5,451	161	4,905	66
FL	5,109	2,131	1,256	945	396	396	95	716	115	921	52
IL	311	66	53	136	71	47	22	47	12	15	2
IN	2,989	1,588	899	857	376	262	81	248	38	34	4
KY	961	655	202	210	47	72	16	19	5	5	1
MI	0										
MT	1,400	1,037	641	227	78	59	11	77	2		
NE	167	19	18	46	20	56	14	43	8	3	1
NJ	3,636	1,715	1,037	650	245	402	72	725	65	144	4
NM	1,859	1,006	485	357	118	132	23	218	17	146	2
OR	1,787	1,422	1,046	245	111	63	18	55	13	2	1
SC	3,761	2,222	690	728	146	535	43	191	11	85	2
SD	365	256	244	80	60	22	13	7	4		
TX	6,341	3,453	3,142	2,057	1,164	544	299	222	86	65	11
VT	1,664	1,346	543	264	63	54	9				
All States	49,929	18,876	11,180	10,306	3,426	6,091	950	8,280	561	6,376	147
<b>Surface Water</b>											
AL	840	58	8	82	11	146	16	360	32	194	9
CA	7,239	130	37	346	51	304	31	1,368	33	5,091	63
FL	91	6	1	24	5	12	2	29	5	20	3
IL	69	2	2	30	30	13	13	16	16	8	6
IN	373	27	6	58	11	84	16	99	13	105	8
KY	1,153	138	36	303	48	315	53	350	57	47	5
MI	0										
MT	265	65	22	95	18	42	9	51	3	12	2
NE	26					5	3	6	3	15	1
NJ	460	4	1	18	4	34	5	124	11	280	12
NM	78	20	12	20	9	14	2	9	3	15	1
OR	946	234	72	326	63	130	18	190	22	66	4
SC	510	43	9	99	20	111	12	193	25	64	7
SD	35	9	9	7	7	8	7	6	5	5	2
TX	1,472	279	106	386	123	292	71	272	66	243	30
VT	590	148	44	261	33	67	8	101	6	13	1
All States	14,147	1,163	365	2,055	433	1,577	266	3,174	300	6,178	154

\* Blank cells indicate that there were no analytical results for that State.

**Table B.5.a. Benzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,136	406	56	1,632	152	1,602	76	1,189	24	307	1
CA	38,818	4,009	2,166	4,441	488	4,655	158	11,351	162	14,362	66
FL	18,951	8,946	1,974	2,948	549	1,168	126	2,572	141	3,317	62
IL	23,749	9,531	659	8,626	436	2,852	109	2,317	60	423	3
IN	3,781	1,953	871	974	372	403	79	385	38	66	4
KY	1,575	1,044	180	364	48	135	16	28	5	4	1
MI	1,996	884	666	631	279	336	56	134	14	11	4
MT	3,333	2,339	678	538	78	184	11	272	2		
NE	4,767	2,604	592	1,357	183	376	24	405	9	25	1
NJ	10,778	4,819	1,296	1,861	261	1,176	73	2,301	65	621	4
NM	5,515	2,833	562	1,009	133	377	24	808	17	488	2
OR	1,926	1,506	936	286	110	62	17	70	13	2	1
SC	8,855	4,143	769	2,014	154	1,660	45	674	14	364	2
SD	720	472	288	199	82	29	16	20	4		
TX	24,168	10,594	2,812	7,375	1,236	3,924	328	1,930	95	345	12
VT	3,965	3,201	550	680	62	84	8				
All States	158,033	59,284	15,055	34,935	4,623	19,023	1,166	24,456	663	20,335	163
<b>Surface Water</b>											
AL	2,297	146	8	166	11	283	16	847	32	855	9
CA	11,915	81	27	188	38	406	25	1,880	32	9,360	56
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,827	58	3	917	37	621	26	777	33	454	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,715	176	30	409	47	417	53	664	54	49	4
MI	437	20	4	95	17	120	15	181	19	21	5
MT	391	80	21	131	18	89	9	60	3	31	2
NE	155	13	3	27	3	26	3	25	1	64	1
NJ	761	6	1	21	4	44	5	159	11	531	12
NM	343	87	20	69	12	65	5	61	4	61	1
OR	924	231	53	356	61	107	18	182	22	48	4
SC	1,140	52	8	210	22	163	14	563	27	152	7
SD	75	12	9	9	8	14	8	13	7	27	2
TX	6,324	1,044	117	1,379	124	1,230	72	1,448	66	1,223	30
VT	812	172	36	336	33	82	8	185	6	37	1
All States	30,778	2,220	347	4,425	451	3,796	296	7,236	337	13,101	165

\* Blank cells indicate that there were no analytical results for that State.

**Table B.6.a. Benzo(a)pyrene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,121	255	57	970	154	1,114	77	601	24	181	1
CA	2,708	312	206	224	99	298	61	736	102	1,138	52
FL	4,659	2,005	1,381	716	442	387	122	770	138	781	62
IL	5,242	1,740	505	2,055	379	553	89	687	55	207	3
IN	2,844	1,273	892	698	377	365	79	403	38	105	4
KY	1,020	703	169	210	47	68	16	27	5	12	1
MI	17	6	4	3	3	7	5	1	1		
MT	1,614	1,062	647	253	77	126	11	173	2		
NE	1,974	963	453	639	180	145	23	213	9	14	1
NJ	0										
NM	4,116	1,946	525	817	123	359	23	610	17	384	2
OR	549	358	300	117	67	32	12	41	12	1	1
SC	5,777	2,489	687	1,175	150	1,373	44	485	12	255	2
SD	932	453	153	215	59	148	14	116	4		
TX	533	160	123	64	43	208	80	90	33	11	2
VT	884	724	407	134	56	26	8				
All States	35,990	14,449	6,509	8,290	2,256	5,209	664	4,953	452	3,089	131
<b>Surface Water</b>											
AL	807	38	8	67	11	125	16	355	32	222	9
CA	1,316	24	7	1	1	20	4	177	17	1,094	41
FL	77	2	1	10	5	10	3	32	7	23	5
IL	1,784	63	3	664	36	325	22	505	32	227	16
IN	544	35	6	60	11	93	16	165	13	191	8
KY	968	123	26	225	48	222	53	329	57	69	5
MI	11					1	1	7	7	3	3
MT	229	35	19	70	18	60	9	54	3	10	2
NE	158	5	2	21	3	22	3	23	1	87	1
NJ	0										
NM	145	19	6	31	7	32	2	17	2	46	1
OR	410	58	39	128	59	79	18	104	21	41	4
SC	696	48	9	138	22	123	12	310	26	77	7
SD	179	25	9	18	7	53	8	53	7	30	2
TX	2,931	502	78	663	114	600	71	683	66	483	30
VT	277	39	20	97	27	47	8	88	6	6	1
All States	10,532	1,016	233	2,193	369	1,812	246	2,902	297	2,609	135

\* Blank cells indicate that there were no analytical results for that State.

**Table B.7.a. Beryllium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	771	66	49	238	147	229	77	156	30	82	4
CA	7,692	1,037	669	1,016	290	989	140	2,256	164	2,394	78
FL	5,121	2,132	1,255	957	396	396	95	729	115	907	52
IL	252	58	53	107	72	38	22	35	12	14	2
IN	2,896	1,579	899	835	376	239	81	209	38	34	4
KY	820	539	195	190	47	67	16	19	5	5	1
MI	3,767	2,455	1,896	942	424	238	55	94	13	38	4
MT	1,000	625	410	243	69	55	10	77	2		
NE	980	346	229	370	162	132	23	128	9	4	1
NJ	3,454	1,640	1,017	619	243	379	71	674	64	142	4
NM	1,738	907	471	340	117	127	23	217	17	147	2
OR	615	443	375	120	74	22	11	29	13	1	1
SC	3,307	1,971	676	664	145	443	43	148	12	81	2
SD	245	172	165	51	42	8	7	14	3		
TX	6,343	3,449	3,140	2,057	1,164	545	299	227	87	65	11
VT	902	733	452	142	59	27	8				
All States	39,903	18,152	11,951	8,891	3,827	3,934	981	5,012	584	3,914	166
<b>Surface Water</b>											
AL	371	26	8	41	9	75	15	142	25	87	6
CA	2,080	73	26	84	27	55	16	273	20	1,595	48
FL	91	6	1	24	5	12	2	28	5	21	3
IL	68	2	2	30	30	13	13	16	16	7	6
IN	372	27	6	58	11	85	16	95	13	107	8
KY	959	115	34	253	48	263	53	289	57	39	4
MI	279	17	7	57	18	60	16	115	27	30	7
MT	256	46	18	106	18	43	9	49	3	12	2
NE	55			3	2	8	3	10	1	34	1
NJ	432	4	1	18	4	29	5	112	11	269	12
NM	128	35	15	30	10	23	4	23	4	17	1
OR	527	102	44	187	59	76	18	119	20	43	4
SC	429	37	9	91	20	91	12	157	24	53	7
SD	5	3	3			2	2				
TX	1,468	279	106	386	123	292	71	268	65	243	30
VT	338	61	28	167	32	39	8	65	6	6	1
All States	7,858	833	308	1,535	416	1,166	263	1,761	297	2,563	140

\* Blank cells indicate that there were no analytical results for that State.

**Table B.8.a. Bis(2-ethylhexyl)adipate - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,175	263	57	975	154	1,130	77	620	24	187	1
CA	0										
FL	4,662	2,008	1,380	716	442	376	122	780	138	782	62
IL	5,260	1,752	505	2,049	378	552	89	695	55	212	3
IN	2,862	1,286	891	693	377	367	79	411	38	105	4
KY	1,025	708	169	210	47	68	16	27	5	12	1
MI	17	6	4	3	3	7	5	1	1		
MT	1,621	1,067	646	255	77	126	11	173	2		
NE	1,974	963	453	639	180	145	23	213	9	14	1
NJ	0										
NM	4,121	1,948	525	818	123	360	23	611	17	384	2
OR	555	363	299	118	68	32	12	41	12	1	1
SC	6,698	3,022	677	1,558	148	1,384	44	466	13	268	2
SD	927	451	154	212	60	148	14	116	4		
TX	374	98	74	17	13	163	64	86	30	10	2
VT	973	800	422	144	56	29	8				
All States	34,244	14,735	6,256	8,407	2,126	4,887	587	4,240	348	1,975	79
<b>Surface Water</b>											
AL	887	39	8	67	11	124	16	403	32	254	9
CA	0										
FL	77	2	1	10	5	10	3	32	7	23	5
IL	1,771	62	3	662	36	326	22	493	32	228	16
IN	548	35	6	60	11	92	16	166	13	195	8
KY	969	123	26	226	48	222	53	329	57	69	5
MI	11					1	1	7	7	3	3
MT	233	36	19	70	18	62	9	54	3	11	2
NE	158	5	2	21	3	22	3	23	1	87	1
NJ	0										
NM	145	19	6	31	7	32	2	17	2	46	1
OR	411	58	39	129	59	80	18	102	21	42	4
SC	750	60	9	178	21	135	12	299	25	78	7
SD	179	25	9	18	7	53	8	53	7	30	2
TX	2,079	422	78	397	107	421	70	510	65	329	30
VT	295	49	21	103	28	48	8	88	6	7	1
All States	8,513	935	227	1,972	361	1,628	241	2,576	278	1,402	94

\* Blank cells indicate that there were no analytical results for that State.

**Table B.9.a. Bis(2-ethylhexyl)phthalate - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,403	293	57	1,081	154	1,196	77	642	24	191	1
CA	4,409	373	247	447	160	561	90	1,278	123	1,750	57
FL	4,728	2,047	1,382	722	442	384	123	786	138	789	62
IL	5,302	1,757	505	2,070	380	560	89	701	55	214	3
IN	3,004	1,325	893	720	377	386	79	452	38	121	4
KY	177	114	19	35	5	1	1	15	3	12	1
MI	12			3	3	8	5	1	1		
MT	1,622	1,068	646	255	77	126	11	173	2		
NE	1,613	792	443	532	178	109	23	168	9	12	1
NJ											
NM											
OR											
SC	7,150	2,991	668	2,048	149	1,386	44	497	14	228	2
SD	787	387	149	179	60	131	14	90	4		
TX	80	26	13	4	3	42	7	7	2	1	1
VT	917	750	410	137	55	30	8				
All States	33,204	11,923	5,432	8,233	2,043	4,920	571	4,810	413	3,318	132
<b>Surface Water</b>											
AL	927	63	8	71	11	132	16	402	32	259	9
CA	1,625	26	9	4	4	35	7	154	19	1,406	45
FL	79	2	1	10	5	12	3	32	7	23	5
IL	1,820	62	3	662	36	344	22	510	32	242	16
IN	574	40	6	61	11	102	16	171	13	200	8
KY	404	47	11	59	9	10	4	223	36	65	5
MI	11					1	1	7	7	3	3
MT	231	35	19	70	18	61	9	54	3	11	2
NE	121	5	2	19	3	17	3	19	1	61	1
NJ											
NM											
OR											
SC	672	28	4	166	19	127	12	281	24	70	7
SD	161	21	9	14	7	48	8	48	7	30	2
TX	971	324	70	238	48	117	21	181	29	111	13
VT	252	41	21	98	30	39	8	68	6	6	1
All States	7,848	694	163	1,472	201	1,045	130	2,150	216	2,487	117

\* Blank cells indicate that there were no analytical results for that State.

**Table B.10.a. Cadmium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	1,502	152	56	549	154	486	77	263	24	52	1
CA	17,835	1,803	869	2,945	377	2,827	157	5,482	161	4,778	66
FL	5,159	2,164	1,256	949	396	404	95	718	115	924	52
IL	251	58	53	106	71	38	22	35	12	14	2
IN	2,989	1,586	899	857	376	263	81	248	38	35	4
KY	953	648	202	210	47	71	16	19	5	5	1
MI	0										
MT	1,408	1,040	641	231	78	59	11	78	2		
NE	162	17	16	43	19	56	14	43	8	3	1
NJ	3,570	1,699	1,041	636	245	389	72	704	65	142	4
NM	1,854	1,002	485	357	118	132	23	217	17	146	2
OR	1,727	1,403	1,046	230	111	50	18	42	13	2	1
SC	3,723	2,217	685	704	146	527	43	191	11	84	2
SD	366	256	244	81	61	22	13	7	4		
TX	5,383	2,543	2,329	2,016	1,131	538	296	221	86	65	11
VT	1,666	1,353	543	261	64	52	8				
All States	48,548	17,941	10,365	10,175	3,394	5,914	946	8,268	561	6,250	147
<b>Surface Water</b>											
AL	839	58	8	82	11	147	16	361	32	191	9
CA	7,183	127	37	345	51	301	31	1,373	33	5,037	63
FL	94	6	1	24	5	15	2	29	5	20	3
IL	67	2	2	30	30	13	13	16	16	6	6
IN	374	27	6	58	11	84	16	100	13	105	8
KY	1,147	138	36	302	48	311	53	352	57	44	5
MI	0										
MT	266	65	22	95	18	42	9	51	3	13	2
NE	26					5	3	6	3	15	1
NJ	450	4	1	18	4	34	5	116	11	278	12
NM	78	20	12	20	9	14	2	9	3	15	1
OR	939	232	72	326	63	130	18	185	22	66	4
SC	508	41	9	100	21	110	12	193	25	64	7
SD	35	9	9	7	7	8	7	6	5	5	2
TX	1,447	260	100	381	123	291	71	272	66	243	30
VT	599	148	44	262	33	69	8	100	6	20	1
All States	14,052	1,137	359	2,050	434	1,574	266	3,169	300	6,122	154

\* Blank cells indicate that there were no analytical results for that State.

**Table B.11.a. Carbofuran - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,087	255	57	966	154	1,105	77	596	24	165	1
CA	6,450	694	511	902	232	898	120	2,039	133	1,917	52
FL	4,670	2,000	1,380	714	444	378	122	774	139	804	62
IL	4,662	1,619	506	1,750	380	506	89	613	55	174	3
IN	2,843	1,275	891	702	377	365	79	398	38	103	4
KY	1,015	703	169	207	47	68	16	25	5	12	1
MI	1,264	744	645	384	270	95	53	30	12	11	4
MT	1,593	1,056	647	245	77	121	11	171	2		
NE	585	129	68	369	106	34	12	51	5	2	1
NJ											
NM	4,156	1,998	529	828	126	350	23	593	17	387	2
OR	591	395	329	118	69	34	12	42	12	2	1
SC	5,787	2,262	674	1,549	148	1,309	44	430	14	237	2
SD	760	384	151	184	65	102	14	90	4		
TX	3,467	1,730	1,149	907	407	501	122	289	54	40	4
VT	913	721	413	157	57	35	8				
All States	41,843	15,965	8,119	9,982	2,959	5,901	802	6,141	514	3,854	137
<b>Surface Water</b>											
AL	796	38	8	67	11	117	16	354	32	220	9
CA	2,370	32	10	16	8	62	9	336	20	1,924	45
FL	79	2	1	10	5	10	3	34	7	23	5
IL	988	27	3	357	36	179	22	270	32	155	16
IN	505	35	6	59	11	91	16	156	13	164	8
KY	967	122	26	222	48	221	53	335	57	67	5
MI	184	5	4	40	16	57	15	63	19	19	6
MT	229	34	19	70	18	62	9	54	3	9	2
NE	43	2	2	3	3	3	3	9	1	26	1
NJ											
NM	237	55	17	57	12	43	5	37	4	45	1
OR	422	67	43	130	59	80	18	104	21	41	4
SC	662	46	9	165	22	120	12	262	25	69	7
SD	163	22	9	14	7	49	8	48	7	30	2
TX	2,232	354	88	609	121	421	70	490	65	358	30
VT	274	40	20	101	31	43	8	84	6	6	1
All States	10,151	881	265	1,920	408	1,558	267	2,636	312	3,156	142

\* Blank cells indicate that there were no analytical results for that State.



**Table B.12.a. Carbon Tetrachloride - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,122	406	56	1,627	152	1,601	76	1,189	24	299	1
CA	41,407	4,046	2,173	4,400	490	4,768	158	12,125	162	16,068	66
FL	18,542	8,948	1,973	2,935	549	1,145	126	2,186	141	3,328	62
IL	23,747	9,529	659	8,627	436	2,840	109	2,320	60	431	3
IN	3,765	1,936	872	971	371	406	79	386	38	66	4
KY	1,591	1,051	180	371	48	135	16	30	5	4	1
MI	1,972	884	666	631	279	310	56	136	14	11	4
MT	3,334	2,340	678	538	78	184	11	272	2		
NE	3,855	2,131	572	1,071	181	320	24	325	9	8	1
NJ	10,784	4,807	1,296	1,861	261	1,179	73	2,317	65	620	4
NM	5,512	2,841	563	1,020	133	378	24	786	17	487	2
OR	1,916	1,497	934	285	110	62	17	70	13	2	1
SC	8,323	3,767	751	1,966	156	1,567	45	665	15	358	2
SD	495	346	230	126	64	20	12	3	3		
TX	19,146	8,583	2,748	5,857	1,225	3,000	325	1,458	96	248	12
VT	2,930	2,342	523	520	61	68	8				
All States	152,441	55,454	14,874	32,806	4,594	17,983	1,159	24,268	664	21,930	163
<b>Surface Water</b>											
AL	2,298	145	8	166	11	283	16	848	32	856	9
CA	13,508	80	27	189	38	407	26	1,886	32	10,946	56
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,831	58	3	921	37	620	26	778	33	454	18
IN	527	36	6	83	11	110	16	148	13	150	8
KY	1,720	176	30	422	47	415	53	658	54	49	4
MI	441	20	4	95	17	120	15	185	19	21	5
MT	391	80	21	131	18	89	9	60	3	31	2
NE	95	13	3	12	2	17	3	19	1	34	1
NJ	762	6	1	21	4	44	5	161	11	530	12
NM	347	88	20	69	12	65	5	61	4	64	1
OR	924	231	53	356	61	107	18	182	22	48	4
SC	1,003	47	8	195	20	150	14	472	25	139	7
SD	55	5	5	5	4	10	5	8	4	27	2
TX	4,777	939	117	1,164	123	845	71	972	64	857	30
VT	667	136	36	275	33	66	8	155	6	35	1
All States	30,482	2,066	343	4,134	443	3,367	293	6,636	330	14,279	165

\* Blank cells indicate that there were no analytical results for that State.

**Table B.13.a. Chlordane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,087	255	57	966	154	1,105	77	596	24	165	1
CA	8,964	810	535	1,245	271	1,254	128	2,866	144	2,789	61
FL	4,667	1,986	1,379	716	443	385	122	774	139	806	62
IL	5,294	1,737	505	2,091	379	558	89	699	55	209	3
IN	2,822	1,263	892	694	377	365	79	396	38	104	4
KY	1,012	698	169	208	47	68	16	26	5	12	1
MI											
MT	1,548	1,030	632	221	72	126	11	171	2		
NE	290	135	86	100	52	31	13	22	4	2	1
NJ	598	167	133	109	76	112	42	197	51	13	2
NM	4,265	2,034	531	858	126	366	23	620	17	387	2
OR	591	395	329	117	69	34	12	43	12	2	1
SC	9,053	3,844	672	2,377	148	1,814	44	620	14	398	2
SD	764	374	142	169	60	131	14	90	4		
TX	3,615	1,765	1,145	905	402	584	124	320	54	41	5
VT	966	752	404	165	57	49	8				
All States	47,536	17,245	7,611	10,941	2,733	6,982	802	7,440	563	4,928	145
<b>Surface Water</b>											
AL	800	38	8	67	11	117	16	354	32	224	9
CA	3,278	30	9	40	11	85	11	580	23	2,543	52
FL	76	2	1	9	4	10	3	32	6	23	5
IL	2,144	72	3	801	36	411	22	611	32	249	16
IN	549	36	6	63	11	94	16	165	13	191	8
KY	952	123	27	224	48	223	53	319	57	63	5
MI											
MT	209	21	15	75	18	43	9	61	3	9	2
NE	12	2	2	3	3	1	1			6	1
NJ	71			1	1	8	5	25	7	37	10
NM	250	56	17	60	12	44	5	39	4	51	1
OR	424	67	43	131	59	81	18	104	21	41	4
SC	1,088	72	7	258	21	185	12	479	25	94	7
SD	156	16	6	14	7	48	8	48	7	30	2
TX	1,887	415	76	440	110	319	70	418	59	295	29
VT	257	47	27	104	28	49	8	49	5	8	1
All States	12,153	997	247	2,290	380	1,718	257	3,284	294	3,864	152

\* Blank cells indicate that there were no analytical results for that State.

**Table B.14.a. Chromium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	1,522	166	56	548	154	491	77	266	24	51	1
CA	18,855	1,810	870	2,960	377	2,929	160	5,685	166	5,471	74
FL	5,108	2,130	1,257	940	396	398	95	720	115	920	52
IL	252	58	53	107	72	38	22	35	12	14	2
IN	2,988	1,585	899	857	376	263	81	248	38	35	4
KY	898	596	202	208	47	70	16	19	5	5	1
MI	2,976	2,156	1,654	606	325	151	40	39	11	24	3
MT	1,404	1,038	642	230	78	59	11	77	2		
NE	154	14	13	41	18	54	14	43	8	2	1
NJ	3,560	1,691	1,043	635	245	390	72	700	65	144	4
NM	1,901	1,024	495	371	120	134	24	225	16	147	2
OR	1,756	1,413	1,047	236	111	54	18	51	13	2	1
SC	3,311	1,973	676	665	145	443	43	149	12	81	2
SD	271	193	185	61	50	10	9	7	4		
TX	6,344	3,451	3,141	2,057	1,164	544	299	227	87	65	11
VT	1,084	878	472	172	61	34	8				
All States	52,384	20,176	12,705	10,694	3,739	6,062	989	8,491	578	6,961	158
<b>Surface Water</b>											
AL	844	58	8	82	11	150	16	363	32	191	9
CA	6,250	121	35	346	51	272	28	1,071	28	4,440	55
FL	94	6	1	24	5	15	2	29	5	20	3
IL	69	2	2	30	30	13	13	17	16	7	6
IN	373	27	6	58	11	84	16	99	13	105	8
KY	1,147	138	36	302	48	312	53	351	57	44	5
MI	149	6	2	24	14	25	9	73	24	21	7
MT	265	64	22	95	18	42	9	51	3	13	2
NE	23					4	2	5	1	14	1
NJ	450	4	1	18	4	34	5	117	11	277	12
NM	153	45	17	38	11	26	4	26	4	18	1
OR	930	230	71	319	63	130	18	185	22	66	4
SC	434	38	9	91	20	91	12	159	24	55	7
SD	14	4	4	1	1	4	4	1	1	4	1
TX	1,467	279	106	386	123	292	71	267	65	243	30
VT	391	83	31	178	31	43	8	72	6	15	1
All States	13,053	1,105	351	1,992	441	1,537	270	2,886	312	5,533	152

\* Blank cells indicate that there were no analytical results for that State.

**Table B.15.a. Cyanide - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	685	70	50	245	152	229	77	111	24	30	1
CA	4,896	375	221	694	188	746	105	1,725	137	1,356	58
FL	5,101	2,130	1,252	944	396	400	95	718	115	909	52
IL	161	53	51	63	52	17	15	15	7	13	2
IN	2,350	1,492	870	600	325	116	57	125	31	17	3
KY	801	516	182	195	47	66	16	19	5	5	1
MI	0										
MT	356	161	127	128	55	24	8	43	2		
NE	982	347	230	370	162	132	23	128	9	5	1
NJ	2,723	1,489	962	456	213	283	61	464	54	31	3
NM	1,775	892	523	344	126	168	24	228	17	143	2
OR	609	441	372	119	73	22	11	26	12	1	1
SC	897	754	456	119	46	15	5	6	1	3	1
SD	0										
TX	0										
VT	1,094	900	483	168	61	26	8				
All States	22,430	9,620	5,779	4,445	1,896	2,244	505	3,608	414	2,513	125
<b>Surface Water</b>											
AL	491	36	8	53	11	84	16	202	32	116	9
CA	2,216	55	15	76	20	58	9	439	23	1,588	52
FL	90	6	1	23	5	12	2	28	5	21	3
IL	70	3	3	30	30	13	13	17	16	7	6
IN	124	13	5	20	9	32	15	29	12	30	6
KY	942	109	33	245	48	262	53	286	57	40	4
MI	0										
MT	115	13	8	50	18	20	9	27	3	5	2
NE	59			3	2	9	3	12	3	35	1
NJ	194	2	1	10	3	29	5	82	10	71	7
NM	57	11	7	15	8	5	1	11	2	15	1
OR	529	102	44	186	59	77	18	123	21	41	4
SC	5	3	3					2	1		
SD	0										
TX	0										
VT	326	62	29	142	33	46	8	70	6	6	1
All States	5,218	415	157	853	246	647	152	1,328	191	1,975	96

\* Blank cells indicate that there were no analytical results for that State.

**Table B.16.a. 2,4-D - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,154	261	57	984	154	1,144	77	600	24	165	1
CA	9,885	805	518	1,478	291	1,533	145	3,308	158	2,761	64
FL	4,634	1,982	1,383	705	442	392	122	783	139	772	62
IL	4,745	1,628	506	1,806	379	507	89	624	55	180	3
IN	2,918	1,302	892	723	377	391	79	399	38	103	4
KY	1,498	1,003	175	337	47	108	16	32	5	18	1
MI	2,800	2,099	1,897	572	411	97	57	24	12	8	3
MT	1,648	1,085	650	268	77	124	11	171	2		
NE	632	300	212	165	59	100	20	66	8	1	1
NJ	54	10	9	4	4	10	8	29	9	1	1
NM	4,060	1,920	526	807	123	366	23	599	17	368	2
OR	629	416	340	123	69	41	12	47	12	2	1
SC	4,962	1,951	666	1,018	146	1,298	44	427	12	268	2
SD	867	434	150	203	60	114	14	116	4		
TX	3,469	1,727	1,149	903	406	518	120	281	52	40	5
VT	1,007	799	440	174	58	34	8				
All States	46,962	17,722	9,570	10,270	3,103	6,777	845	7,506	547	4,687	150
<b>Surface Water</b>											
AL	969	50	8	82	11	145	16	415	32	277	9
CA	3,604	41	16	80	28	122	24	702	29	2,659	56
FL	78	3	1	10	5	10	3	32	7	23	5
IL	1,474	48	3	571	36	300	22	363	32	192	16
IN	516	34	6	61	11	100	16	158	13	163	8
KY	1,674	221	32	382	48	443	53	544	57	84	5
MI	175	6	5	34	17	49	14	66	23	20	7
MT	228	35	19	67	18	61	9	54	3	11	2
NE	34					4	2	6	1	24	1
NJ	14			2	1	5	3	5	3	2	2
NM	155	26	11	32	8	32	2	17	2	48	1
OR	608	118	51	183	61	107	18	146	21	54	4
SC	655	41	9	124	21	116	12	299	26	75	7
SD	183	27	9	18	7	53	8	55	7	30	2
TX	2,263	364	87	611	121	417	70	514	66	357	30
VT	360	51	26	128	33	56	8	118	6	7	1
All States	12,990	1,065	283	2,385	426	2,020	280	3,494	328	4,026	156

\* Blank cells indicate that there were no analytical results for that State.

**Table B.17.a. Dalapon - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,111	255	57	984	154	1,110	77	597	24	165	1
CA	3,996	464	320	499	168	542	100	1,315	118	1,176	53
FL	4,680	2,000	1,382	716	443	401	122	788	139	775	62
IL	4,745	1,631	507	1,801	379	507	89	626	55	180	3
IN	2,828	1,270	891	695	377	362	79	398	38	103	4
KY	1,020	706	169	209	47	68	16	25	5	12	1
MI	36	9	9	19	18	4	3	3	3	1	1
MT	446	241	181	61	24	25	8	119	2		
NE	632	300	212	165	59	100	20	66	8	1	1
NJ	0										
NM	3,674	1,740	512	720	120	318	23	529	16	367	2
OR	583	388	321	116	68	35	12	43	12	1	1
SC	5,111	2,058	667	1,048	146	1,315	44	428	12	262	2
SD	867	434	150	203	60	114	14	116	4		
TX	3,469	1,727	1,149	903	406	518	120	281	52	40	5
VT	72	58	56	13	9	1	1				
All States	35,270	13,281	6,583	8,152	2,478	5,420	728	5,334	488	3,083	136
<b>Surface Water</b>											
AL	889	45	8	76	11	136	16	397	32	235	9
CA	1,534	27	9	21	8	36	6	269	17	1,181	45
FL	81	3	1	11	5	10	3	34	7	23	5
IL	1,416	47	3	550	36	290	22	340	32	189	16
IN	513	35	6	61	11	98	16	161	13	158	8
KY	948	123	27	225	48	222	53	315	57	63	5
MI	22			4	2	6	3	7	4	5	3
MT	66	7	5	11	7	21	8	23	3	4	2
NE	34					4	2	6	1	24	1
NJ	0										
NM	132	21	6	28	7	30	2	11	2	42	1
OR	427	66	42	133	59	84	18	103	21	41	4
SC	646	43	9	122	21	118	12	291	26	72	7
SD	183	27	9	18	7	53	8	55	7	30	2
TX	2,263	364	87	611	121	417	70	514	66	357	30
VT	16	6	4	2	2	6	3	1	1	1	1
All States	9,170	814	216	1,873	345	1,531	242	2,527	289	2,425	139

\* Blank cells indicate that there were no analytical results for that State.

**Table B.18.a. 1,2-Dibromo-3-chloropropane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,079	247	56	965	152	1,105	76	597	24	165	1
CA	26,193	1,565	636	3,095	288	2,880	125	7,902	143	10,751	57
FL	4,623	1,934	1,347	706	440	385	121	787	139	811	62
IL	5,690	1,903	499	2,113	385	647	95	791	57	236	3
IN	2,741	1,198	843	681	370	357	78	401	38	104	4
KY	1,870	1,287	170	390	47	140	16	39	5	14	1
MI	1,678	772	634	527	264	263	55	108	13	8	4
MT	1,435	863	594	244	74	128	11	200	2		
NE	5,962	2,975	592	1,919	183	530	24	508	9	30	1
NJ	9,114	4,078	1,157	1,545	236	975	70	1,988	64	528	4
NM	5,126	2,459	547	995	130	407	24	864	17	401	2
OR	591	390	323	119	67	34	12	46	12	2	1
SC	9,691	3,705	748	2,308	154	2,372	45	822	14	484	2
SD	1,411	828	288	403	82	131	16	49	4		
TX											
VT	328	284	217	37	29	7	5				
All States	79,532	24,488	8,651	16,047	2,901	10,361	773	15,102	541	13,534	142
<b>Surface Water</b>											
AL	830	46	8	71	11	126	16	364	32	223	9
CA	10,700	36	10	35	16	114	9	1,505	24	9,010	51
FL	77	2	1	10	5	10	3	32	7	23	5
IL	1,389	39	3	459	36	262	24	409	32	220	17
IN	516	42	6	59	11	95	16	157	13	163	8
KY	1,586	196	26	378	47	442	53	490	54	80	4
MI	320	15	4	72	17	91	15	125	19	17	4
MT	219	23	20	63	17	80	9	36	3	17	2
NE	217	15	3	34	3	33	3	36	1	99	1
NJ	560	5	1	16	3	32	5	125	11	382	12
NM	321	79	20	69	12	49	5	44	4	80	1
OR	436	69	43	132	58	77	18	113	21	45	4
SC	1,514	66	8	315	22	227	14	733	26	173	7
SD	258	39	9	27	8	67	8	68	7	57	2
TX											
VT	75	8	8	22	14	2	2	43	3		
All States	19,018	680	170	1,762	280	1,707	200	4,280	257	10,589	127

\* Blank cells indicate that there were no analytical results for that State.

**Table B.19.a. 1,4-Dichlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,117	406	56	1,623	152	1,600	76	1,189	24	299	1
CA											
FL	18,535	8,946	1,973	2,948	549	1,156	126	2,162	141	3,323	62
IL	23,484	9,461	659	8,555	436	2,786	109	2,264	60	418	3
IN	3,801	1,977	877	970	371	402	79	385	38	67	4
KY	1,580	1,051	180	357	48	141	16	27	5	4	1
MI	1,973	884	666	633	279	310	56	135	14	11	4
MT											
NE	3,855	2,131	572	1,071	181	320	24	325	9	8	1
NJ	10,127	4,619	1,282	1,743	254	1,062	72	2,100	65	603	4
NM	5,504	2,843	563	1,012	133	377	24	785	17	487	2
OR	1,920	1,499	934	287	110	62	17	70	13	2	1
SC	8,313	3,763	749	1,956	154	1,567	45	669	15	358	2
SD	495	346	230	126	64	20	12	3	3		
TX	19,146	8,566	2,744	5,874	1,229	3,000	325	1,458	96	248	12
VT	2,929	2,342	523	519	61	68	8				
All States	106,779	48,834	12,008	27,674	4,021	12,871	989	11,572	500	5,828	97
<b>Surface Water</b>											
AL	2,297	145	8	166	11	283	16	848	32	855	9
CA											
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,799	58	3	913	37	616	26	768	33	444	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,706	181	30	414	47	404	53	658	54	49	4
MI	438	20	4	95	17	120	15	182	19	21	5
MT											
NE	95	13	3	12	2	17	3	19	1	34	1
NJ	667	6	1	20	4	36	5	134	11	471	12
NM	345	88	20	69	12	65	5	62	4	61	1
OR	924	231	53	356	61	107	18	182	22	48	4
SC	1,020	53	10	205	22	150	14	472	25	140	7
SD	55	5	5	5	4	10	5	8	4	27	2
TX	4,776	915	116	1,179	123	842	71	983	65	857	30
VT	666	136	36	274	33	65	8	155	6	36	1
All States	16,450	1,893	296	3,820	389	2,844	258	4,662	296	3,231	107

\* Blank cells indicate that there were no analytical results for that State.



**Table B.20.a. o-Dichlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,117	406	56	1,623	152	1,600	76	1,189	24	299	1
CA	0										
FL	18,450	8,921	1,973	2,933	549	1,140	126	2,152	141	3,304	62
IL	23,440	9,459	657	8,538	435	2,780	109	2,245	60	418	3
IN	3,764	1,942	873	969	372	402	79	385	38	66	4
KY	1,148	788	173	238	47	80	16	28	5	14	1
MI	4,155	2,833	1,933	915	429	308	58	91	14	8	3
MT	3,334	2,340	678	538	78	184	11	272	2		
NE	4,767	2,604	592	1,357	183	376	24	405	9	25	1
NJ	10,150	4,622	1,280	1,754	256	1,072	72	2,077	65	625	4
NM	5,248	2,742	557	957	130	360	24	703	17	486	2
OR	647	448	328	125	66	31	12	41	12	2	1
SC	8,330	4,017	763	1,812	154	1,544	45	633	14	324	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,678	2,953	543	643	62	82	8				
All States	116,104	54,939	13,490	29,443	4,230	13,746	1,003	12,075	500	5,901	96
<b>Surface Water</b>											
AL	2,295	145	8	166	11	283	16	846	32	855	9
CA	0										
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,793	58	3	913	37	614	26	765	33	443	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,152	131	27	257	48	251	53	443	57	70	5
MI	506	29	6	102	19	116	14	235	23	24	6
MT	391	80	21	131	18	89	9	60	3	31	2
NE	154	13	3	27	3	26	3	25	1	63	1
NJ	694	6	1	20	4	36	5	148	11	484	12
NM	209	40	10	40	8	53	2	18	2	58	1
OR	447	80	44	145	58	71	18	115	21	36	4
SC	1,091	55	10	204	22	161	14	533	27	138	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	762	160	36	315	33	76	8	175	6	36	1
All States	17,408	1,880	301	3,788	409	3,118	266	4,972	308	3,650	111

\* Blank cells indicate that there were no analytical results for that State.

**Table B.21.a. 1,2-Dichloroethane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,128	406	56	1,633	152	1,600	76	1,190	24	299	1
CA	39,785	4,057	2,177	4,421	491	4,711	158	11,472	162	15,124	66
FL	18,615	8,942	1,973	2,937	550	1,154	126	2,261	141	3,321	62
IL	23,714	9,523	659	8,607	436	2,844	109	2,306	60	434	3
IN	3,783	1,940	872	975	372	409	79	393	38	66	4
KY	1,571	1,044	180	360	48	135	16	28	5	4	1
MI	1,972	884	666	630	279	313	56	134	14	11	4
MT	3,328	2,334	678	538	78	184	11	272	2		
NE	3,857	2,131	572	1,072	181	320	24	326	9	8	1
NJ	10,780	4,812	1,296	1,864	262	1,176	73	2,308	65	620	4
NM	5,521	2,841	563	1,018	134	377	24	798	17	487	2
OR	1,916	1,497	934	285	110	62	17	70	13	2	1
SC	8,319	3,765	751	1,964	156	1,567	45	665	15	358	2
SD	495	346	230	126	64	20	12	3	3		
TX	19,146	8,583	2,748	5,857	1,225	3,000	325	1,458	96	248	12
VT	2,935	2,345	523	522	61	68	8				
All States	150,865	55,450	14,878	32,809	4,599	17,940	1,159	23,684	664	20,982	163
<b>Surface Water</b>											
AL	2,297	145	8	166	11	284	16	847	32	855	9
CA	12,791	80	27	189	38	408	26	2,112	32	10,002	57
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,832	58	3	919	37	621	26	781	33	453	18
IN	530	38	6	82	11	111	16	149	13	150	8
KY	1,705	176	30	412	47	410	53	658	54	49	4
MI	437	20	4	95	17	120	15	181	19	21	5
MT	390	80	21	131	18	89	9	60	3	30	2
NE	95	13	3	12	2	17	3	19	1	34	1
NJ	763	6	1	21	4	44	5	161	11	531	12
NM	344	88	20	69	12	65	5	61	4	61	1
OR	924	231	53	356	61	107	18	182	22	48	4
SC	1,001	47	8	195	20	150	14	470	25	139	7
SD	55	5	5	5	4	10	5	8	4	27	2
TX	4,777	939	117	1,164	123	845	71	972	64	857	30
VT	668	136	36	275	33	66	8	156	6	35	1
All States	29,745	2,068	343	4,121	443	3,366	293	6,860	330	13,330	166

\* Blank cells indicate that there were no analytical results for that State.

**Table B.22.a. 1,1-Dichloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,135	406	56	1,631	152	1,609	76	1,189	24	300	1
CA	40,131	4,052	2,176	4,359	490	4,901	158	11,365	162	15,454	66
FL	15,773	6,553	1,342	2,523	442	1,129	122	2,246	138	3,322	62
IL	23,768	9,548	659	8,625	436	2,838	109	2,320	60	437	3
IN	3,736	1,909	846	967	369	402	78	391	38	67	4
KY	1,550	1,024	168	356	47	138	16	28	5	4	1
MI	1,968	884	666	630	279	309	56	134	14	11	4
MT	3,334	2,340	678	538	78	184	11	272	2		
NE	3,399	1,719	435	1,051	176	295	23	326	9	8	1
NJ	10,816	4,804	1,296	1,865	261	1,186	73	2,339	65	622	4
NM	5,504	2,841	563	1,013	133	377	24	785	17	488	2
OR	1,919	1,501	934	285	110	62	17	69	13	2	1
SC	8,289	3,743	739	1,956	154	1,567	45	665	15	358	2
SD	291	178	113	96	46	14	10	3	3		
TX	9,922	4,477	1,160	2,713	424	1,607	135	911	54	214	6
VT	2,226	1,705	358	456	53	65	8				
All States	137,761	47,684	12,189	29,064	3,650	16,683	961	23,043	619	21,287	157
<b>Surface Water</b>											
AL	2,296	145	8	166	11	284	16	846	32	855	9
CA	15,557	80	27	189	38	415	26	2,941	32	11,932	56
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,830	58	3	919	37	621	26	779	33	453	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	2,000	176	26	416	47	416	53	943	54	49	4
MI	437	20	4	95	17	120	15	181	19	21	5
MT	391	80	21	131	18	89	9	60	3	31	2
NE	92	10	2	12	2	17	3	19	1	34	1
NJ	763	6	1	21	4	44	5	161	11	531	12
NM	345	88	20	70	12	65	5	61	4	61	1
OR	922	231	53	354	61	107	18	182	22	48	4
SC	1,019	53	10	205	22	150	14	472	25	139	7
SD	54	5	5	4	3	10	5	8	4	27	2
TX	4,710	857	91	1,175	121	838	70	983	65	857	30
VT	572	89	21	229	29	66	8	154	6	34	1
All States	32,650	1,940	299	4,098	438	3,371	292	7,981	331	15,260	165

\* Blank cells indicate that there were no analytical results for that State.

**Table B.23.a. cis-1,2-Dichloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,116	406	56	1,622	152	1,600	76	1,189	24	299	1
CA	34,585	2,464	1,231	3,662	397	4,018	154	10,955	162	13,486	65
FL	18,841	8,928	1,974	2,931	549	1,136	126	2,524	141	3,322	62
IL	23,582	9,504	657	8,561	435	2,804	109	2,277	60	436	3
IN	3,891	1,977	873	994	371	412	80	429	38	79	4
KY	1,148	788	173	238	47	80	16	28	5	14	1
MI	4,256	2,832	1,933	934	429	366	58	113	14	11	3
MT	3,320	2,338	678	537	78	173	11	272	2		
NE	4,767	2,604	592	1,357	183	376	24	405	9	25	1
NJ	10,960	4,772	1,295	1,905	261	1,230	73	2,377	65	676	4
NM	5,251	2,742	557	959	131	360	24	703	17	487	2
OR	655	456	332	125	66	31	12	41	12	2	1
SC	8,319	4,012	763	1,812	154	1,543	45	628	14	324	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,652	2,863	537	710	62	79	8				
All States	152,219	57,550	14,735	33,388	4,632	17,995	1,159	23,795	662	19,491	161
<b>Surface Water</b>											
AL	2,301	145	8	166	11	283	16	846	32	861	9
CA	11,058	73	27	167	36	363	25	1,711	32	8,744	56
FL	136	6	1	29	5	19	3	43	7	39	5
IL	2,808	58	3	919	37	617	26	767	33	447	18
IN	528	36	6	82	11	110	16	148	13	152	8
KY	1,177	138	27	256	48	251	53	460	57	72	5
MI	536	29	6	102	19	116	14	265	23	24	6
MT	385	80	21	130	18	84	9	60	3	31	2
NE	154	13	3	27	3	26	3	25	1	63	1
NJ	786	6	1	21	4	44	5	176	11	539	12
NM	209	40	10	40	8	53	2	18	2	58	1
OR	446	80	44	144	58	71	18	115	21	36	4
SC	1,091	55	10	204	22	161	14	534	27	137	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	752	154	36	313	33	76	8	174	6	35	1
All States	28,620	1,954	328	3,957	445	3,487	291	6,760	340	12,462	167

\* Blank cells indicate that there were no analytical results for that State.

**Table B.24.a. trans-1,2-Dichloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	0										
CA	38,711	4,023	2,174	4,340	489	4,639	158	10,877	162	14,832	66
FL	18,555	8,929	1,973	2,932	550	1,142	126	2,241	141	3,311	62
IL	23,603	9,500	657	8,584	435	2,811	109	2,285	60	423	3
IN	3,761	1,934	871	968	371	402	79	390	38	67	4
KY	1,146	786	173	238	47	80	16	28	5	14	1
MI	4,161	2,833	1,933	915	429	314	58	91	14	8	3
MT	3,332	2,339	678	537	78	184	11	272	2		
NE	4,766	2,603	591	1,357	183	376	24	405	9	25	1
NJ	10,748	4,761	1,295	1,863	260	1,185	73	2,296	65	643	4
NM	5,248	2,742	557	957	130	360	24	703	17	486	2
OR	651	452	330	125	66	31	12	41	12	2	1
SC	8,319	4,012	763	1,812	154	1,543	45	628	14	324	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,556	2,863	537	614	62	79	8				
All States	150,433	58,641	15,616	32,283	4,571	16,933	1,086	22,111	638	20,465	161
<b>Surface Water</b>											
AL	0										
CA	11,899	80	27	189	38	408	26	1,866	32	9,356	56
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,806	58	3	919	37	617	26	768	33	444	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,157	131	27	260	48	251	53	443	57	72	5
MI	506	29	6	102	19	116	14	235	23	24	6
MT	391	80	21	131	18	89	9	60	3	31	2
NE	154	13	3	27	3	26	3	25	1	63	1
NJ	783	6	1	21	4	44	5	171	11	541	12
NM	209	40	10	40	8	53	2	18	2	58	1
OR	446	80	44	144	58	71	18	115	21	36	4
SC	1,091	55	10	204	22	161	14	534	27	137	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	752	154	36	313	33	76	8	174	6	35	1
All States	27,108	1,809	320	3,818	436	3,254	276	6,018	308	12,209	158

\* Blank cells indicate that there were no analytical results for that State.

**Table B.25.a. Dichloromethane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,130	406	56	1,630	152	1,601	76	1,194	24	299	1
CA	38,708	4,055	2,175	4,343	490	4,627	158	10,875	162	14,808	66
FL	18,606	9,003	1,976	2,977	549	1,147	126	2,162	141	3,317	62
IL	23,627	9,488	657	8,556	436	2,839	109	2,308	60	436	3
IN	3,963	2,033	879	1,022	375	428	79	414	38	66	4
KY	1,149	788	173	238	47	81	16	28	5	14	1
MI	1,971	884	666	630	279	312	56	134	14	11	4
MT											
NE	3,855	2,131	572	1,071	181	320	24	325	9	8	1
NJ	10,750	4,763	1,295	1,861	260	1,193	73	2,288	65	645	4
NM	4,830	2,455	555	906	133	348	23	639	17	482	2
OR	659	459	334	128	66	31	12	40	12	1	1
SC	7,804	3,663	747	1,764	156	1,440	45	619	15	318	2
SD	495	346	230	126	64	20	12	3	3		
TX	19,146	8,583	2,748	5,857	1,225	3,000	325	1,458	96	248	12
VT	2,820	2,264	516	491	61	65	8				
All States	143,513	51,321	13,579	31,600	4,474	17,452	1,142	22,487	661	20,653	163
<b>Surface Water</b>											
AL	2,327	145	8	166	11	284	16	850	32	882	9
CA	11,902	83	27	195	38	408	26	1,692	32	9,524	57
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,844	58	3	911	37	636	26	778	33	461	18
IN	546	43	6	86	11	117	16	149	13	151	8
KY	1,148	129	27	256	48	251	53	442	57	70	5
MI	439	20	4	95	17	120	15	183	19	21	5
MT											
NE	95	13	3	12	2	17	3	19	1	34	1
NJ	737	6	1	21	4	44	5	169	11	497	12
NM	309	72	20	66	12	60	5	58	4	53	1
OR	449	80	44	145	58	71	18	116	21	37	4
SC	946	43	8	188	20	148	14	443	25	124	7
SD	55	5	5	5	4	10	5	8	4	27	2
TX	4,777	939	117	1,164	123	845	71	972	64	857	30
VT	656	131	36	271	33	66	8	154	6	34	1
All States	27,365	1,773	310	3,610	423	3,096	284	6,076	329	12,810	165

\* Blank cells indicate that there were no analytical results for that State.

**Table B.26.a. 1,2-Dichloropropane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,122	406	56	1,628	152	1,600	76	1,189	24	299	1
CA	36,571	3,217	1,644	4,105	452	4,462	153	10,638	161	14,149	66
FL	18,465	8,928	1,973	2,930	549	1,129	126	2,174	141	3,304	62
IL	23,517	9,486	657	8,567	436	2,795	109	2,253	60	416	3
IN	3,758	1,937	871	968	371	402	79	385	38	66	4
KY	1,138	778	172	238	47	80	16	28	5	14	1
MI	1,967	884	666	630	279	308	56	134	14	11	4
MT	3,333	2,339	678	538	78	184	11	272	2		
NE	4,769	2,604	592	1,358	183	376	24	406	9	25	1
NJ	10,074	4,592	1,281	1,739	255	1,066	71	2,055	65	622	4
NM	5,501	2,840	562	1,012	133	377	24	785	17	487	2
OR	648	447	330	127	66	31	12	41	12	2	1
SC	8,348	4,039	765	1,812	154	1,544	45	629	14	324	2
SD	720	472	288	199	82	29	16	20	4		
TX	23,780	10,541	2,812	7,206	1,236	3,810	328	1,880	95	343	12
VT	3,966	3,202	550	680	62	84	8				
All States	151,677	56,712	13,897	33,737	4,535	18,277	1,154	22,889	661	20,062	163
<b>Surface Water</b>											
AL	2,295	145	8	166	11	283	16	846	32	855	9
CA	11,660	80	26	185	38	398	25	1,827	31	9,170	56
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,798	58	3	915	37	615	26	766	33	444	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,146	138	27	247	47	251	53	445	54	65	4
MI	437	20	4	95	17	120	15	181	19	21	5
MT	391	80	21	131	18	89	9	60	3	31	2
NE	155	13	3	27	3	26	3	25	1	64	1
NJ	668	6	1	20	4	36	5	145	11	461	12
NM	344	88	20	69	12	65	5	61	4	61	1
OR	448	80	44	145	58	71	18	115	21	37	4
SC	1,084	48	8	203	22	161	14	534	27	138	7
SD	75	12	9	9	8	14	8	13	7	27	2
TX	6,251	1,032	117	1,367	124	1,216	72	1,431	66	1,205	30
VT	812	172	36	336	33	82	8	185	6	37	1
All States	29,225	2,014	334	4,026	448	3,556	296	6,825	335	12,804	165

\* Blank cells indicate that there were no analytical results for that State.

**Table B.27.a. Dinoseb - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,096	255	57	972	154	1,106	77	598	24	165	1
CA	4,538	660	501	583	201	625	109	1,455	128	1,215	55
FL	4,613	1,975	1,378	703	442	382	122	781	139	772	62
IL	4,755	1,631	507	1,801	379	516	89	627	55	180	3
IN	2,832	1,265	892	694	377	370	79	400	38	103	4
KY	1,018	704	169	209	47	68	16	25	5	12	1
MI	2,800	2,099	1,897	572	411	97	57	24	12	8	3
MT	448	235	175	74	22	24	8	115	2		
NE	632	300	212	165	59	100	20	66	8	1	1
NJ	0										
NM	4,059	1,920	526	806	123	366	23	599	17	368	2
OR	585	389	322	116	68	35	12	44	12	1	1
SC	4,981	1,954	666	1,016	146	1,301	44	427	12	283	2
SD	867	434	150	203	60	114	14	116	4		
TX	3,469	1,727	1,149	903	406	518	120	281	52	40	5
VT	1,003	798	439	171	58	34	8				
All States	39,696	16,346	9,040	8,988	2,953	5,656	798	5,558	508	3,148	140
<b>Surface Water</b>											
AL	833	41	8	73	11	117	16	378	32	224	9
CA	1,567	29	9	11	6	29	6	288	20	1,210	47
FL	79	3	1	10	5	10	3	33	7	23	5
IL	1,411	47	3	549	36	284	22	341	32	190	16
IN	507	34	6	60	11	93	16	157	13	163	8
KY	949	123	27	225	48	223	53	315	57	63	5
MI	175	6	5	34	17	49	14	66	23	20	7
MT	63	7	5	11	7	19	8	22	3	4	2
NE	34					4	2	6	1	24	1
NJ	0										
NM	146	21	6	29	7	32	2	16	2	48	1
OR	427	66	42	133	59	84	18	103	21	41	4
SC	642	41	9	122	21	114	12	292	26	73	7
SD	183	27	9	18	7	53	8	55	7	30	2
TX	2,263	364	87	611	121	417	70	514	66	357	30
VT	312	37	20	108	29	51	8	110	6	6	1
All States	9,591	846	237	1,994	385	1,579	258	2,696	316	2,476	145

\* Blank cells indicate that there were no analytical results for that State.



**Table B.28.a. Diquat - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,144	255	57	990	154	1,116	77	618	24	165	1
CA	3,703	249	174	364	118	480	82	1,314	106	1,296	51
FL	4,670	2,003	1,380	709	442	377	122	780	138	801	62
IL	4,646	1,621	508	1,734	380	502	89	615	55	174	3
IN	2,841	1,279	890	696	377	365	79	398	38	103	4
KY	1,017	701	169	210	47	68	16	26	5	12	1
MI	35	2	2	19	19	5	4	7	7	2	2
MT	2	1	1	1	1						
NE	714	665	446	39	29	4	4	3	3	3	1
NJ											
NM	3,085	1,552	488	667	117	233	23	326	14	307	2
OR	547	353	296	116	67	34	12	43	12	1	1
SC	5,113	2,163	670	1,155	147	1,185	44	391	13	219	2
SD	595	310	134	158	59	93	13	34	4		
TX											
VT	53	44	42	8	8	1	1				
All States	30,165	11,198	5,257	6,866	1,965	4,463	566	4,555	419	3,083	130
<b>Surface Water</b>											
AL	874	38	8	74	11	123	16	406	32	233	9
CA	1,468	27	8	5	4	31	4	225	15	1,180	33
FL	77	2	1	10	5	11	3	32	7	22	5
IL	964	27	3	340	36	176	22	267	32	154	16
IN	507	34	6	60	11	95	16	156	13	162	8
KY	972	122	26	226	48	222	53	337	57	65	5
MI	19			1	1	6	4	7	3	5	2
MT											
NE	17			3	3	8	3	1	1	5	1
NJ											
NM	208	51	17	47	12	33	5	31	4	46	1
OR	415	58	39	129	60	81	18	106	21	41	4
SC	594	41	9	134	22	107	12	244	25	68	7
SD	161	21	9	14	7	48	8	48	7	30	2
TX											
VT	2	1	1	1	1						
All States	6,278	422	127	1,044	221	941	164	1,860	217	2,011	93

\* Blank cells indicate that there were no analytical results for that State.

**Table B.29.a. Endothall - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,104	255	57	967	154	1,105	77	596	24	181	1
CA	2,522	358	252	205	100	303	62	799	92	857	42
FL	4,662	1,989	1,379	713	442	375	122	792	138	793	62
IL	4,618	1,609	506	1,734	379	495	88	609	55	171	3
IN	2,829	1,272	891	695	377	366	79	393	38	103	4
KY	1,051	723	169	217	47	71	16	28	5	12	1
MI	35	5	5	19	19	5	4	4	4	2	2
MT	2	1	1	1	1						
NE	10	5	4	3	3	1	1			1	1
NJ	0										
NM	2,997	1,454	480	645	114	244	22	334	16	320	2
OR	546	354	298	114	68	35	12	42	12	1	1
SC	4,386	1,790	641	844	143	1,147	45	360	12	245	2
SD	680	351	135	187	58	104	13	38	4		
TX	0										
VT	52	43	41	8	8	1	1				
All States	27,494	10,209	4,859	6,352	1,913	4,252	542	3,995	400	2,686	121
<b>Surface Water</b>											
AL	797	38	8	68	11	117	16	354	32	220	9
CA	476	25	8	4	3	28	5	67	11	352	27
FL	77	2	1	10	5	10	3	32	7	23	5
IL	955	29	3	332	36	178	22	264	32	152	16
IN	508	33	6	60	11	91	16	156	13	168	8
KY	987	115	26	227	48	231	53	348	57	66	5
MI	20			1	1	6	4	9	6	4	2
MT	0										
NE	5					2	2	1	1	2	1
NJ	0										
NM	108	19	6	25	7	12	2	8	2	44	1
OR	405	57	39	127	59	78	18	103	21	40	4
SC	594	41	9	111	21	99	12	282	26	61	7
SD	178	24	9	18	7	52	8	54	7	30	2
TX	0										
VT	2	1	1	1	1						
All States	5,112	384	116	984	210	904	161	1,678	215	1,162	87

\* Blank cells indicate that there were no analytical results for that State.

**Table B.30.a. Endrin - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,103	256	57	970	154	1,111	77	601	24	165	1
CA	9,607	863	546	1,511	305	1,460	148	3,007	157	2,766	63
FL	4,685	1,996	1,380	717	443	386	122	775	139	811	62
IL	5,285	1,737	505	2,087	378	558	89	695	55	208	3
IN	2,838	1,271	891	695	377	368	79	400	38	104	4
KY	1,462	974	175	327	47	110	16	33	5	18	1
MI	2,845	2,139	1,912	571	419	102	57	24	12	9	3
MT	1,609	1,063	646	249	77	127	11	170	2		
NE	1,974	963	453	639	180	145	23	213	9	14	1
NJ	50	11	10	4	4	10	8	24	8	1	1
NM	4,131	1,961	526	815	123	359	23	609	17	387	2
OR	632	418	342	123	69	40	12	49	12	2	1
SC	6,410	2,992	677	1,353	148	1,351	44	447	12	267	2
SD	902	436	148	202	60	148	14	116	4		
TX	4,044	1,901	1,182	963	429	750	145	378	54	52	6
VT	963	781	424	151	58	31	8				
All States	50,540	19,762	9,874	11,377	3,271	7,056	876	7,541	548	4,804	150
<b>Surface Water</b>											
AL	931	50	8	76	11	140	16	398	32	267	9
CA	3,674	41	16	88	28	132	24	695	30	2,718	56
FL	77	2	1	10	5	10	3	32	7	23	5
IL	2,142	72	3	802	36	412	22	609	32	247	16
IN	545	36	6	61	11	95	16	162	13	191	8
KY	1,595	209	32	362	48	414	53	528	57	82	5
MI	181	5	4	35	17	51	14	68	23	22	7
MT	248	35	19	77	18	60	9	64	3	12	2
NE	170	5	2	21	3	22	3	23	1	99	1
NJ	13			2	1	5	3	4	3	2	2
NM	156	26	11	33	8	32	2	17	2	48	1
OR	598	119	51	182	61	100	18	143	21	54	4
SC	745	60	9	174	21	133	12	300	25	78	7
SD	179	25	9	18	7	53	8	53	7	30	2
TX	3,944	642	91	885	122	802	71	949	66	666	30
VT	362	68	34	126	31	59	8	101	6	8	1
All States	15,560	1,395	296	2,952	428	2,520	282	4,146	328	4,547	156

\* Blank cells indicate that there were no analytical results for that State.

**Table B.31.a. Ethylbenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,118	406	56	1,622	152	1,602	76	1,189	24	299	1
CA	38,590	4,004	2,168	4,345	488	4,600	158	11,328	162	14,313	66
FL	18,552	8,965	1,975	2,948	549	1,149	126	2,188	141	3,302	62
IL	23,591	9,500	657	8,583	435	2,815	109	2,275	60	418	3
IN	3,785	1,956	871	974	371	402	79	387	38	66	4
KY	1,154	786	173	246	47	80	16	28	5	14	1
MI	4,166	2,834	1,933	915	429	317	58	92	14	8	3
MT	3,321	2,339	678	537	78	173	11	272	2		
NE	4,767	2,604	592	1,357	183	376	24	405	9	25	1
NJ	10,057	4,586	1,279	1,737	255	1,063	71	2,050	65	621	4
NM	5,238	2,734	556	955	130	360	24	703	17	486	2
OR	656	456	333	126	67	31	12	41	12	2	1
SC	8,328	4,016	763	1,811	154	1,544	45	633	14	324	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,682	2,954	543	646	62	82	8				
All States	154,881	59,004	15,661	33,843	4,717	18,381	1,160	23,445	662	20,208	162
<b>Surface Water</b>											
AL	2,300	146	8	167	11	283	16	849	32	855	9
CA	11,894	79	27	188	38	409	25	1,878	32	9,340	56
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,799	58	3	917	37	616	26	765	33	443	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,151	129	27	256	48	255	53	441	57	70	5
MI	512	34	6	102	19	117	14	235	23	24	6
MT	385	80	21	130	18	84	9	60	3	31	2
NE	154	13	3	27	3	26	3	25	1	63	1
NJ	671	6	1	20	4	36	5	147	11	462	12
NM	209	39	10	40	8	53	2	18	2	59	1
OR	448	80	44	146	58	71	18	115	21	36	4
SC	1,094	55	10	206	22	162	14	533	27	138	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,182	1,031	117	1,347	124	1,200	72	1,407	66	1,197	30
VT	768	160	36	317	33	76	8	177	6	38	1
All States	29,298	1,962	328	3,983	447	3,530	291	6,852	340	12,971	167

\* Blank cells indicate that there were no analytical results for that State.

**Table B.32.a. Ethylene Dibromide - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,165	270	57	990	154	1,143	77	597	24	165	1
CA	22,144	1,385	637	2,375	289	2,331	132	7,085	142	8,968	58
FL	4,820	2,034	1,392	717	443	409	121	845	139	815	62
IL	28,721	11,290	665	10,580	435	3,315	109	2,940	60	596	3
IN	2,822	1,262	892	699	377	362	79	396	38	103	4
KY	1,900	1,313	171	392	47	142	16	39	5	14	1
MI	4,183	2,847	1,934	924	430	310	58	93	14	9	3
MT	991	656	535	169	71	77	11	89	2		
NE	5,977	2,985	595	1,923	184	530	24	509	9	30	1
NJ	9,291	4,182	1,202	1,582	243	997	71	1,971	64	559	4
NM	4,897	2,358	544	931	127	392	24	816	17	400	2
OR	604	397	326	121	68	34	12	50	12	2	1
SC	9,706	3,728	757	2,308	154	2,364	46	822	14	484	2
SD	1,352	798	283	381	82	126	16	47	4		
TX	0										
VT	1,007	810	443	162	59	35	8				
All States	101,580	36,315	10,433	24,254	3,163	12,567	804	16,299	544	12,145	142
<b>Surface Water</b>											
AL	834	58	8	78	11	124	16	354	32	220	9
CA	8,654	37	10	37	17	117	12	1,477	24	6,986	49
FL	78	2	1	11	5	10	3	32	7	23	5
IL	3,938	97	3	1,351	37	827	26	1,112	33	551	18
IN	508	41	6	59	11	94	16	157	13	157	8
KY	1,640	200	26	391	48	444	53	513	57	92	5
MI	515	29	6	103	19	118	14	237	23	28	7
MT	153	20	19	49	17	49	9	27	3	8	2
NE	218	15	3	34	3	33	3	36	1	100	1
NJ	567	5	1	16	3	36	5	124	11	386	12
NM	199	29	10	37	7	35	2	16	2	82	1
OR	433	69	43	131	59	77	18	112	21	44	4
SC	1,508	74	10	301	22	227	14	733	26	173	7
SD	250	36	9	27	8	65	8	65	7	57	2
TX	0										
VT	252	32	19	87	27	31	8	101	6	1	1
All States	19,747	744	174	2,712	294	2,287	207	5,096	266	8,908	131

\* Blank cells indicate that there were no analytical results for that State.

**Table B.33.a. Fluoride - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	1,487	152	56	540	154	484	77	259	24	52	1
CA	22,678	1,900	862	3,509	376	3,887	157	7,186	162	6,196	66
FL	5,595	2,190	1,259	976	395	454	96	791	115	1,184	52
IL	224	67	53	91	53	26	15	26	7	14	2
IN	2,863	1,511	883	820	372	251	80	252	38	29	4
KY	1,143	776	215	248	48	96	16	22	5	1	1
MI	14,479	8,310	2,130	4,677	443	1,174	62	263	16	55	3
MT	1,494	1,076	644	274	78	60	11	84	2		
NE	4,296	716	247	2,694	162	599	23	240	9	47	1
NJ	4,340	2,057	1,046	784	244	495	71	817	65	187	4
NM	2,226	1,160	481	458	113	195	24	270	17	143	2
OR	1,820	1,424	1,030	254	110	71	19	69	13	2	1
SC	3,588	2,148	718	700	148	476	43	170	14	94	2
SD	215	188	181	25	20	2	2				
TX	6,549	3,558	3,189	2,127	1,181	569	300	230	87	65	11
VT	1,453	1,177	528	229	63	47	8				
All States	74,450	28,410	13,522	18,406	3,960	8,886	1,004	10,679	574	8,069	150
<b>Surface Water</b>											
AL	853	57	8	83	11	152	16	359	32	202	9
CA	10,535	126	38	355	51	659	30	1,582	32	7,813	63
FL	288	6	1	23	5	32	2	167	5	60	3
IL	70	2	2	30	30	13	13	17	16	8	6
IN	348	28	6	54	11	86	16	94	13	86	8
KY	935	117	38	256	50	305	53	234	56	23	5
MI	725	47	8	146	23	145	21	299	31	88	8
MT	527	58	22	200	18	100	9	129	3	40	2
NE	246			35	2	99	3	58	1	54	1
NJ	535	4	1	23	4	49	5	139	11	320	12
NM	196	53	17	49	11	27	4	49	4	18	1
OR	974	239	72	327	63	135	18	212	22	61	4
SC	353	33	9	83	21	64	12	129	24	44	7
SD	3	3	3								
TX	1,502	287	106	398	123	289	71	282	65	246	30
VT	522	140	44	234	33	56	8	80	6	12	1
All States	18,612	1,200	375	2,296	456	2,211	281	3,830	321	9,075	160

\* Blank cells indicate that there were no analytical results for that State.

**Table B.34.a. Glyphosate - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,087	255	57	966	154	1,105	77	596	24	165	1
CA	5,096	291	188	604	162	531	91	1,719	132	1,951	55
FL	4,622	1,981	1,379	705	443	375	122	778	138	783	62
IL	1,705	466	144	647	203	129	37	300	29	163	3
IN	1,767	1,159	827	345	206	101	26	93	18	69	2
KY	1,022	706	169	209	47	68	16	27	5	12	1
MI	12	2	2	7	6	2	2			1	1
MT	1	1	1								
NE											
NJ											
NM	4,092	1,983	528	822	125	336	23	565	17	386	2
OR	553	356	299	116	68	36	12	44	12	1	1
SC	5,120	2,238	673	1,204	148	1,118	43	358	13	202	2
SD	748	386	145	170	60	102	14	90	4		
TX											
VT	52	43	41	8	8	1	1				
All States	27,877	9,867	4,453	5,803	1,630	3,904	464	4,570	392	3,733	130
<b>Surface Water</b>											
AL	796	38	8	67	11	117	16	354	32	220	9
CA	2,055	31	11	14	6	43	7	264	15	1,703	44
FL	77	2	1	10	5	10	3	32	7	23	5
IL	661	16	3	212	36	137	22	196	32	100	15
IN	103	1	1	2	1	8	4	33	8	59	6
KY	990	123	26	226	48	225	53	348	57	68	5
MI	18			8	2	4	1	4	1	2	2
MT											
NE											
NJ											
NM	237	55	17	60	12	43	5	32	4	47	1
OR	417	60	41	128	59	80	17	107	21	42	4
SC	562	43	9	126	21	101	12	229	25	63	7
SD	162	21	9	15	7	48	8	48	7	30	2
TX											
VT	2	1	1	1	1						
All States	6,080	391	127	869	209	816	148	1,647	209	2,357	100

\* Blank cells indicate that there were no analytical results for that State.

**Table B.35.a. Heptachlor - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,090	257	57	966	154	1,105	77	597	24	165	1
CA	8,029	766	499	1,178	265	1,176	127	2,468	139	2,441	59
FL	4,664	1,986	1,380	715	443	383	122	774	139	806	62
IL	5,290	1,737	505	2,090	379	558	89	697	55	208	3
IN	2,833	1,269	892	693	377	369	79	398	38	104	4
KY	1,011	697	169	208	47	68	16	26	5	12	1
MI	1,250	728	637	382	265	99	53	29	13	12	4
MT	1,172	748	475	163	52	91	11	170	2		
NE	1,614	793	443	532	178	109	23	168	9	12	1
NJ											
NM	4,265	2,034	531	858	126	366	23	620	17	387	2
OR	595	393	326	118	69	35	12	47	12	2	1
SC	5,808	2,452	664	1,454	147	1,249	44	425	14	228	2
SD	763	371	143	171	60	131	14	90	4		
TX	3,749	1,826	1,178	950	423	628	135	303	54	42	6
VT	843	680	390	132	57	31	8				
All States	44,976	16,737	8,289	10,610	3,042	6,398	833	6,812	525	4,419	146
<b>Surface Water</b>											
AL	800	38	8	67	11	117	16	354	32	224	9
CA	2,893	30	9	40	11	83	9	520	23	2,220	52
FL	79	2	1	10	5	10	3	34	7	23	5
IL	2,147	72	3	802	36	413	22	611	32	249	16
IN	547	36	6	61	11	98	16	164	13	188	8
KY	950	123	27	223	48	223	53	319	57	62	5
MI	167	5	4	33	16	53	15	57	19	19	6
MT	184	19	12	64	17	36	9	58	3	7	2
NE	121	5	2	19	3	17	3	19	1	61	1
NJ											
NM	249	55	17	60	12	44	5	39	4	51	1
OR	423	67	43	131	59	80	18	104	21	41	4
SC	667	56	9	174	21	120	12	246	24	71	7
SD	161	21	9	14	7	48	8	48	7	30	2
TX	2,833	544	90	726	121	498	70	616	65	449	30
VT	292	56	33	105	29	47	8	77	6	7	1
All States	12,513	1,129	273	2,529	407	1,887	267	3,266	314	3,702	149

\* Blank cells indicate that there were no analytical results for that State.



**Table B.36.a. Heptachlor Epoxide - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,098	255	57	966	154	1,110	77	602	24	165	1
CA	7,663	768	504	1,103	262	1,125	126	2,347	138	2,320	58
FL	4,648	1,986	1,380	713	443	380	122	772	139	797	62
IL	5,291	1,737	505	2,092	379	558	89	696	55	208	3
IN	2,833	1,269	892	693	377	369	79	398	38	104	4
KY	1,544	1,075	169	316	47	103	16	38	5	12	1
MI	1,249	728	637	381	265	99	53	29	13	12	4
MT	966	602	380	136	43	74	10	154	2		
NE	1,614	793	443	532	178	109	23	168	9	12	1
NJ											
NM	4,265	2,034	531	858	126	366	23	620	17	387	2
OR	595	394	327	118	69	35	12	46	12	2	1
SC	5,805	2,451	663	1,452	147	1,249	44	425	14	228	2
SD	763	371	143	171	60	131	14	90	4		
TX	3,749	1,826	1,178	950	423	628	135	303	54	42	6
VT	844	681	390	132	57	31	8				
All States	44,927	16,970	8,199	10,613	3,030	6,367	831	6,688	524	4,289	145
<b>Surface Water</b>											
AL	800	38	8	67	11	117	16	354	32	224	9
CA	2,841	30	9	36	10	78	10	510	23	2,187	52
FL	77	2	1	10	5	10	3	32	7	23	5
IL	2,147	72	3	802	36	413	22	611	32	249	16
IN	543	36	6	61	11	94	16	164	13	188	8
KY	1,337	169	27	344	48	345	53	412	57	67	5
MI	167	5	4	33	16	53	15	57	19	19	6
MT	146	11	8	49	15	31	9	50	3	5	2
NE	121	5	2	19	3	17	3	19	1	61	1
NJ											
NM	250	56	17	60	12	44	5	39	4	51	1
OR	423	67	43	131	59	80	18	104	21	41	4
SC	666	56	9	174	21	120	12	246	24	70	7
SD	161	21	9	14	7	48	8	48	7	30	2
TX	2,833	544	90	726	121	498	70	616	65	449	30
VT	292	56	33	105	29	47	8	77	6	7	1
All States	12,804	1,168	269	2,631	404	1,995	268	3,339	314	3,671	149

\* Blank cells indicate that there were no analytical results for that State.

**Table B.37.a. Hexachlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,087	255	57	966	154	1,105	77	596	24	165	1
CA	4,180	434	283	495	169	637	99	1,276	127	1,338	56
FL	4,634	1,980	1,380	711	443	379	122	770	138	794	62
IL	5,296	1,738	505	2,094	380	560	89	696	55	208	3
IN	2,851	1,275	892	699	377	369	79	403	38	105	4
KY	1,010	697	169	207	47	68	16	26	5	12	1
MI	1,250	728	637	382	265	99	53	29	13	12	4
MT	1,563	1,026	624	249	77	118	11	170	2		
NE	1,614	793	443	532	178	109	23	168	9	12	1
NJ											
NM	4,265	2,034	531	858	126	366	23	620	17	387	2
OR	592	391	323	119	69	35	12	46	12	1	1
SC	5,836	2,466	664	1,468	147	1,249	44	425	14	228	2
SD	761	371	143	169	60	131	14	90	4		
TX	3,749	1,826	1,178	950	423	628	135	303	54	42	6
VT	761	613	367	120	54	28	8				
All States	41,449	16,627	8,196	10,019	2,969	5,881	805	5,618	512	3,304	143
<b>Surface Water</b>											
AL	799	38	8	67	11	117	16	355	32	222	9
CA	1,899	28	8	18	7	40	5	279	21	1,534	46
FL	77	2	1	10	5	10	3	32	7	23	5
IL	2,093	71	3	782	36	406	22	589	32	245	16
IN	547	36	6	60	11	96	16	164	13	191	8
KY	952	122	26	222	48	223	53	322	57	63	5
MI	167	5	4	33	16	53	15	57	19	19	6
MT	243	33	18	77	18	59	9	62	3	12	2
NE	121	5	2	19	3	17	3	19	1	61	1
NJ											
NM	250	56	17	60	12	44	5	39	4	51	1
OR	424	68	44	131	59	81	18	103	21	41	4
SC	665	56	9	174	21	118	12	246	24	71	7
SD	167	21	9	14	7	48	8	48	7	36	2
TX	2,833	544	90	726	121	498	70	616	65	449	30
VT	245	37	21	91	27	40	8	71	6	6	1
All States	11,482	1,122	266	2,484	402	1,850	263	3,002	312	3,024	143

\* Blank cells indicate that there were no analytical results for that State.

**Table B.38.a. Hexachlorocyclopentadiene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,087	255	57	966	154	1,105	77	596	24	165	1
CA	3,537	365	233	384	140	495	85	1,001	120	1,292	56
FL	4,663	1,992	1,379	718	444	384	122	772	138	797	62
IL	5,247	1,741	505	2,058	380	555	89	688	55	205	3
IN	2,832	1,265	892	692	377	368	79	402	38	105	4
KY	1,301	918	169	256	47	80	16	35	5	12	1
MI	1,250	728	637	382	265	99	53	29	13	12	4
MT	1,611	1,063	647	251	77	127	11	170	2		
NE	1,614	793	443	532	178	109	23	168	9	12	1
NJ											
NM	4,265	2,026	531	860	126	369	23	626	17	384	2
OR	585	385	319	119	68	33	12	47	12	1	1
SC	5,734	2,430	656	1,451	147	1,242	44	391	13	220	2
SD	761	371	143	169	60	131	14	90	4		
TX	3,857	1,848	1,180	991	423	682	136	294	52	42	6
VT	765	617	368	120	54	28	8				
All States	41,109	16,797	8,159	9,949	2,940	5,807	792	5,309	502	3,247	143
<b>Surface Water</b>											
AL	799	38	8	67	11	117	16	355	32	222	9
CA	1,858	28	8	5	4	37	5	284	21	1,504	44
FL	79	2	1	10	5	10	3	34	7	23	5
IL	1,853	64	3	707	36	339	22	515	32	228	16
IN	570	42	6	60	11	110	16	165	13	193	8
KY	1,136	146	26	279	48	262	53	383	57	66	5
MI	167	5	4	33	16	53	15	57	19	19	6
MT	261	35	19	83	18	60	9	71	3	12	2
NE	121	5	2	19	3	17	3	19	1	61	1
NJ											
NM	252	54	17	60	12	44	5	44	4	50	1
OR	424	68	44	132	59	80	18	103	21	41	4
SC	684	49	7	173	21	117	12	274	25	71	7
SD	161	21	9	14	7	48	8	48	7	30	2
TX	2,888	549	91	737	122	500	69	634	66	468	30
VT	252	40	22	94	29	40	8	71	6	7	1
All States	11,505	1,146	267	2,473	402	1,834	262	3,057	314	2,995	141

\* Blank cells indicate that there were no analytical results for that State.

**Table B.39.a. Lindane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,117	261	57	976	154	1,114	77	601	24	165	1
CA	9,771	887	561	1,519	305	1,468	147	3,042	157	2,855	63
FL	4,686	1,994	1,380	717	443	386	122	777	139	812	62
IL	5,286	1,737	505	2,087	378	558	89	696	55	208	3
IN	2,833	1,265	891	694	377	372	79	398	38	104	4
KY	1,491	997	175	333	47	110	16	33	5	18	1
MI	2,844	2,138	1,912	571	419	102	57	24	12	9	3
MT	1,609	1,064	647	248	77	127	11	170	2		
NE	1,974	963	453	639	180	145	23	213	9	14	1
NJ	50	11	10	4	4	10	8	24	8	1	1
NM	4,131	1,961	526	815	123	359	23	609	17	387	2
OR	638	420	344	125	70	41	12	50	12	2	1
SC	2,740	1,158	574	370	121	731	44	260	12	221	2
SD	902	436	148	202	60	148	14	116	4		
TX	4,044	1,901	1,182	963	429	750	145	378	54	52	6
VT	962	781	425	150	58	31	8				
All States	47,078	17,974	9,790	10,413	3,245	6,452	875	7,391	548	4,848	150
<b>Surface Water</b>											
AL	916	46	8	76	11	133	16	394	32	267	9
CA	3,759	41	16	89	28	131	24	693	30	2,805	56
FL	77	2	1	10	5	10	3	32	7	23	5
IL	2,146	72	3	802	36	413	22	611	32	248	16
IN	529	36	6	61	11	94	16	163	13	175	8
KY	1,616	213	32	368	48	418	53	536	57	81	5
MI	181	5	4	35	17	51	14	68	23	22	7
MT	246	35	19	76	18	59	9	64	3	12	2
NE	170	5	2	21	3	22	3	23	1	99	1
NJ	13			2	1	5	3	4	3	2	2
NM	156	26	11	33	8	32	2	17	2	48	1
OR	597	119	51	181	61	99	18	144	21	54	4
SC	416	24	9	71	21	86	12	187	25	48	7
SD	179	25	9	18	7	53	8	53	7	30	2
TX	3,944	642	91	885	122	802	71	949	66	666	30
VT	360	68	34	126	31	58	8	100	6	8	1
All States	15,305	1,359	296	2,854	428	2,466	282	4,038	328	4,588	156

\* Blank cells indicate that there were no analytical results for that State.

**Table B.40.a. Mercury - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	1,508	153	56	558	154	485	77	261	24	51	1
CA	17,677	1,806	872	2,930	377	2,828	157	5,346	161	4,767	66
FL	5,110	2,138	1,256	944	396	399	95	714	115	915	53
IL	168	54	52	69	53	17	15	15	7	13	2
IN	2,986	1,586	899	856	376	262	81	248	38	34	4
KY	930	625	202	210	47	71	16	19	5	5	1
MI	3,089	2,243	1,762	625	329	157	39	39	11	25	3
MT	1,397	1,031	640	222	78	59	11	85	2		
NE	154	14	13	41	18	54	14	43	8	2	1
NJ	3,597	1,718	1,044	638	245	392	72	705	65	144	4
NM	1,893	1,020	492	369	119	132	23	225	17	147	2
OR	1,724	1,400	1,044	230	111	52	18	40	13	2	1
SC	3,332	1,982	681	674	146	448	43	147	12	81	2
SD	272	194	186	61	50	10	9	7	4		
TX	5,400	2,551	2,335	2,013	1,126	547	299	223	85	66	11
VT	1,480	1,192	528	238	62	50	9				
All States	50,717	19,707	12,062	10,678	3,687	5,963	978	8,117	567	6,252	151
<b>Surface Water</b>											
AL	836	57	8	82	11	147	16	358	32	192	9
CA	7,159	129	37	344	51	304	31	1,361	32	5,021	63
FL	91	6	1	24	5	12	2	29	5	20	3
IL	69	2	2	30	30	13	13	17	16	7	6
IN	373	27	6	58	11	85	16	99	13	104	8
KY	1,149	138	36	300	48	313	53	349	57	49	5
MI	148	5	2	27	14	23	9	72	24	21	7
MT	261	64	22	95	18	42	9	48	3	12	2
NE	23					4	2	5	1	14	1
NJ	445	4	1	17	4	34	5	116	11	274	12
NM	159	47	18	40	12	28	5	26	4	18	1
OR	931	231	72	322	63	130	18	182	22	66	4
SC	412	25	5	85	19	91	12	158	24	53	7
SD	14	4	4	1	1	4	4	1	1	4	1
TX	1,451	260	100	386	124	290	70	263	64	252	30
VT	526	140	44	232	33	58	8	84	6	12	1
All States	14,047	1,139	358	2,043	444	1,578	273	3,168	315	6,119	160

\* Blank cells indicate that there were no analytical results for that State.

**Table B.41.a. Methoxychlor - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,098	256	57	969	154	1,107	77	601	24	165	1
CA	9,284	710	438	1,468	291	1,448	146	2,928	156	2,730	63
FL	4,687	1,996	1,381	717	443	387	122	775	139	812	62
IL	5,288	1,737	505	2,087	378	558	89	698	55	208	3
IN	2,847	1,277	891	695	377	371	79	400	38	104	4
KY	1,490	997	175	332	47	110	16	33	5	18	1
MI	2,845	2,139	1,912	571	419	102	57	24	12	9	3
MT	1,614	1,066	647	251	77	127	11	170	2		
NE	1,974	963	453	639	180	145	23	213	9	14	1
NJ	50	11	10	4	4	10	8	24	8	1	1
NM	4,130	1,961	526	815	123	358	23	609	17	387	2
OR	636	420	343	125	70	40	12	49	12	2	1
SC	6,699	3,018	677	1,560	148	1,387	44	466	13	268	2
SD	902	436	148	202	60	148	14	116	4		
TX	4,044	1,901	1,182	963	429	750	145	378	54	52	6
VT	960	779	424	150	58	31	8				
All States	50,548	19,667	9,769	11,548	3,258	7,079	874	7,484	548	4,770	150
<b>Surface Water</b>											
AL	912	46	8	76	11	133	16	392	32	265	9
CA	3,584	41	16	88	28	130	24	681	29	2,644	56
FL	77	2	1	10	5	10	3	32	7	23	5
IL	2,147	72	3	802	36	413	22	611	32	249	16
IN	547	36	6	61	11	95	16	164	13	191	8
KY	1,617	213	32	368	48	417	53	536	57	83	5
MI	181	5	4	35	17	51	14	68	23	22	7
MT	246	34	19	76	18	60	9	64	3	12	2
NE	170	5	2	21	3	22	3	23	1	99	1
NJ	13			2	1	5	3	4	3	2	2
NM	156	26	11	33	8	32	2	17	2	48	1
OR	598	119	52	180	61	101	18	144	21	54	4
SC	766	60	9	181	21	137	12	308	25	80	7
SD	179	25	9	18	7	53	8	53	7	30	2
TX	3,944	642	91	885	122	802	71	949	66	666	30
VT	361	68	34	126	31	58	8	101	6	8	1
All States	15,498	1,394	297	2,962	428	2,519	282	4,147	327	4,476	156

\* Blank cells indicate that there were no analytical results for that State.

**Table B.42.a. Monochlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,119	406	56	1,625	152	1,600	76	1,189	24	299	1
CA	0										
FL	18,497	8,927	1,972	2,932	550	1,152	126	2,178	141	3,308	62
IL	23,601	9,500	657	8,584	435	2,813	109	2,281	60	423	3
IN	3,754	1,933	871	968	371	402	79	385	38	66	4
KY	1,151	790	173	239	47	80	16	28	5	14	1
MI	4,155	2,833	1,933	915	429	308	58	91	14	8	3
MT	3,332	2,339	678	537	78	184	11	272	2		
NE	4,767	2,604	592	1,357	183	376	24	405	9	25	1
NJ	10,737	4,756	1,293	1,859	260	1,184	73	2,295	65	643	4
NM	5,249	2,743	557	957	130	360	24	703	17	486	2
OR	649	449	329	125	66	31	12	42	12	2	1
SC	8,328	4,016	763	1,811	154	1,544	45	633	14	324	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,669	2,946	543	641	62	82	8				
All States	116,884	55,106	13,501	29,591	4,234	13,903	1,004	12,356	500	5,928	96
<b>Surface Water</b>											
AL	2,296	145	8	166	11	283	16	846	32	856	9
CA	0										
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,808	58	3	920	37	618	26	768	33	444	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,215	138	27	256	48	251	53	485	57	85	5
MI	506	29	6	102	19	116	14	235	23	24	6
MT	391	80	21	131	18	89	9	60	3	31	2
NE	154	13	3	27	3	26	3	25	1	63	1
NJ	782	6	1	21	4	44	5	170	11	541	12
NM	210	41	10	40	8	53	2	18	2	58	1
OR	447	80	44	145	58	71	18	115	21	36	4
SC	1,091	55	10	204	22	161	14	533	27	138	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	763	160	36	316	33	76	8	175	6	36	1
All States	17,577	1,888	301	3,796	409	3,130	266	5,039	308	3,724	111

\* Blank cells indicate that there were no analytical results for that State.

**Table B.43.a. Oxamyl - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,087	255	57	966	154	1,105	77	596	24	165	1
CA	4,231	588	429	541	175	600	96	1,329	126	1,173	50
FL	4,666	2,005	1,381	712	443	378	122	771	139	800	62
IL	4,661	1,619	506	1,750	380	505	89	613	55	174	3
IN	2,832	1,271	889	698	377	365	79	395	38	103	4
KY	1,002	691	169	206	47	68	16	25	5	12	1
MI	1,264	744	645	384	270	95	53	30	12	11	4
MT	382	193	152	52	21	18	6	119	2		
NE	585	129	68	369	106	34	12	51	5	2	1
NJ											
NM	4,157	1,998	529	828	126	351	23	593	17	387	2
OR	586	392	327	118	69	33	12	42	12	1	1
SC	5,787	2,262	674	1,549	148	1,309	44	430	14	237	2
SD	760	384	151	184	65	102	14	90	4		
TX	3,467	1,730	1,149	907	407	501	122	289	54	40	4
VT	910	719	412	156	57	35	8				
All States	38,377	14,980	7,538	9,420	2,845	5,499	773	5,373	507	3,105	135
<b>Surface Water</b>											
AL	796	38	8	67	11	117	16	354	32	220	9
CA	1,668	30	9	6	5	33	7	257	20	1,342	40
FL	79	2	1	10	5	10	3	34	7	23	5
IL	988	27	3	357	36	179	22	270	32	155	16
IN	506	35	6	60	11	91	16	156	13	164	8
KY	971	121	26	223	48	221	53	341	57	65	5
MI	184	5	4	40	16	57	15	63	19	19	6
MT	63	7	5	13	7	19	9	21	3	3	1
NE	43	2	2	3	3	3	3	9	1	26	1
NJ											
NM	237	55	17	57	12	43	5	37	4	45	1
OR	423	68	44	130	59	80	18	104	21	41	4
SC	662	46	9	165	22	120	12	262	25	69	7
SD	163	22	9	14	7	49	8	48	7	30	2
TX	2,232	354	88	609	121	421	70	490	65	358	30
VT	272	38	21	102	31	43	8	83	6	6	1
All States	9,287	850	252	1,856	394	1,486	265	2,529	312	2,566	136

\* Blank cells indicate that there were no analytical results for that State.



**Table B.44.a. PCBs - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,096	255	57	966	154	1,107	77	603	24	165	1
CA	3,446	335	241	490	147	506	78	1,140	117	975	44
FL	4,655	1,994	1,380	714	443	379	122	772	139	796	62
IL	4,821	1,663	506	1,831	379	511	89	638	55	178	3
IN	430	139	126	92	79	54	31	99	19	46	2
KY	11	11	4								
MI	0										
MT	658	386	275	83	33	54	11	135	2		
NE	0										
NJ	596	166	132	108	75	112	42	197	51	13	2
NM	0										
OR	561	378	314	109	69	33	12	39	11	2	1
SC	0										
SD	905	439	147	202	60	148	14	116	4		
TX	4,044	1,901	1,182	963	429	750	145	378	54	52	6
VT	910	725	410	151	58	34	8				
All States	24,133	8,392	4,774	5,709	1,926	3,688	629	4,117	476	2,227	121
<b>Surface Water</b>											
AL	796	38	8	67	11	117	16	354	32	220	9
CA	1,445	21	8	20	8	35	5	324	20	1,045	46
FL	77	2	1	10	5	10	3	32	7	23	5
IL	1,432	40	3	507	36	288	22	401	32	196	16
IN	449	29	6	55	11	85	16	136	13	144	8
KY	19	1	1	7	3	1	1			10	2
MI	0										
MT	104	8	6	32	12	23	8	36	3	5	2
NE	0										
NJ	71			1	1	8	5	25	7	37	10
NM	0										
OR	416	62	39	132	59	78	18	104	21	40	4
SC	0										
SD	179	25	9	18	7	53	8	53	7	30	2
TX	3,944	642	91	885	122	802	71	949	66	666	30
VT	271	34	20	95	27	47	8	88	6	7	1
All States	9,203	902	192	1,829	302	1,547	181	2,502	214	2,423	135

\* Blank cells indicate that there were no analytical results for that State.

**Table B.45.a. Pentachlorophenol - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,113	257	57	977	154	1,106	77	608	24	165	1
CA	4,590	603	397	566	199	654	111	1,389	130	1,378	60
FL	4,622	1,981	1,377	704	442	383	122	778	138	776	62
IL	4,752	1,632	507	1,806	380	511	89	627	55	176	3
IN	2,840	1,265	892	695	377	373	79	403	38	104	4
KY	1,018	704	169	209	47	68	16	25	5	12	1
MI	2,802	2,099	1,897	574	411	97	57	24	12	8	3
MT	638	339	228	100	30	37	9	162	2		
NE	632	300	212	165	59	100	20	66	8	1	1
NJ	0										
NM	4,064	1,925	526	806	123	366	23	599	17	368	2
OR	586	390	323	117	68	34	12	43	12	2	1
SC	5,146	2,055	666	1,046	146	1,333	44	429	12	283	2
SD	867	434	150	203	60	114	14	116	4		
TX	4,183	2,035	1,178	984	433	732	143	375	55	57	6
VT	1,005	800	440	171	58	34	8				
All States	40,858	16,819	9,019	9,123	2,987	5,942	824	5,644	512	3,330	146
<b>Surface Water</b>											
AL	826	45	8	67	11	124	16	370	32	220	9
CA	1,913	29	9	17	7	40	6	310	20	1,517	47
FL	82	6	1	10	5	10	3	33	7	23	5
IL	1,412	47	3	547	36	287	22	340	32	191	16
IN	535	34	6	61	11	94	16	166	13	180	8
KY	945	122	26	224	48	227	53	315	57	57	5
MI	175	6	5	34	17	49	14	66	23	20	7
MT	70	7	5	16	9	19	8	24	3	4	2
NE	34					4	2	6	1	24	1
NJ	0										
NM	146	21	6	29	7	32	2	16	2	48	1
OR	427	67	43	132	59	84	18	103	21	41	4
SC	654	41	9	124	21	116	12	299	26	74	7
SD	183	27	9	18	7	53	8	55	7	30	2
TX	4,772	850	90	1,163	122	893	71	1,090	66	776	30
VT	312	38	21	108	29	50	8	110	6	6	1
All States	12,486	1,340	241	2,550	389	2,082	259	3,303	316	3,211	145

\* Blank cells indicate that there were no analytical results for that State.

**Table B.46.a. Picloram - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,105	255	57	969	154	1,106	77	610	24	165	1
CA	4,018	464	318	513	169	536	98	1,304	118	1,201	53
FL	4,614	1,976	1,381	703	442	384	122	780	139	771	62
IL	4,748	1,631	507	1,804	380	507	89	626	55	180	3
IN	2,839	1,272	892	694	377	372	79	398	38	103	4
KY	1,022	708	169	209	47	68	16	25	5	12	1
MI	1,242	721	634	388	262	93	53	29	13	11	4
MT	435	223	169	75	23	22	8	115	2		
NE	317	51	33	132	50	75	18	58	8	1	1
NJ											
NM	4,193	1,993	532	849	126	373	23	610	17	368	2
OR	584	388	321	118	68	34	12	43	12	1	1
SC	4,618	1,812	655	997	145	1,188	44	376	13	245	2
SD	721	364	146	169	60	98	13	90	4		
TX	3,472	1,725	1,149	903	406	518	120	286	53	40	5
VT	893	702	407	157	56	34	8				
All States	36,821	14,285	7,370	8,680	2,765	5,408	780	5,350	501	3,098	139
<b>Surface Water</b>											
AL	806	41	8	69	11	117	16	359	32	220	9
CA	1,568	29	9	19	8	34	5	290	19	1,196	45
FL	80	3	1	10	5	10	3	34	7	23	5
IL	1,412	47	3	550	36	284	22	341	32	190	16
IN	508	34	6	60	11	94	16	157	13	163	8
KY	949	123	27	225	48	223	53	315	57	63	5
MI	161	5	4	32	16	51	15	56	19	17	6
MT	58	7	5	7	6	18	8	22	3	4	2
NE	31					4	2	4	1	23	1
NJ											
NM	250	56	17	60	12	44	5	39	4	51	1
OR	432	67	43	132	59	86	18	106	21	41	4
SC	562	35	9	118	21	97	12	247	25	65	7
SD	162	22	9	14	7	48	8	48	7	30	2
TX	2,257	364	87	610	121	417	70	509	65	357	30
VT	266	35	20	96	29	41	8	89	6	5	1
All States	9,502	868	248	2,002	390	1,568	261	2,616	311	2,448	142

\* Blank cells indicate that there were no analytical results for that State.

**Table B.47.a. Selenium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	1,514	154	56	554	154	490	77	264	24	52	1
CA	18,069	1,800	869	2,950	377	2,870	157	5,572	161	4,877	66
FL	5,097	2,127	1,256	939	396	397	95	715	115	919	52
IL	161	53	51	62	52	17	15	15	7	14	2
IN	2,984	1,585	899	856	376	261	81	248	38	34	4
KY	946	630	202	218	47	74	16	19	5	5	1
MI	0										
MT	1,403	1,036	643	231	78	59	11	77	2		
NE	162	17	16	43	19	56	14	43	8	3	1
NJ	3,552	1,684	1,039	638	245	392	72	696	65	142	4
NM	1,854	1,002	485	357	118	132	23	217	17	146	2
OR	1,728	1,399	1,046	232	111	50	18	45	13	2	1
SC	3,636	2,172	681	669	146	522	43	189	11	84	2
SD	366	256	244	81	61	22	13	7	4		
TX	5,385	2,544	2,329	2,017	1,131	538	296	221	86	65	11
VT	1,259	1,024	493	197	62	38	8				
All States	48,116	17,483	10,309	10,044	3,373	5,918	939	8,328	556	6,343	147
<b>Surface Water</b>											
AL	839	58	8	82	11	146	16	361	32	192	9
CA	7,166	131	37	343	51	304	31	1,356	33	5,032	63
FL	91	6	1	24	5	12	2	29	5	20	3
IL	67	2	2	30	30	13	13	16	16	6	6
IN	373	27	6	58	11	85	16	99	13	104	8
KY	1,152	138	36	304	48	317	53	348	57	45	5
MI	0										
MT	260	64	22	95	18	42	9	47	3	12	2
NE	26					5	3	6	1	15	1
NJ	450	4	1	18	4	34	5	116	11	278	12
NM	78	20	12	20	9	14	2	9	3	15	1
OR	938	231	72	323	63	131	18	188	22	65	4
SC	499	39	9	99	20	110	12	190	25	61	7
SD	35	9	9	7	7	8	7	6	5	5	2
TX	1,447	260	100	381	123	291	71	272	66	243	30
VT	441	86	30	208	33	52	8	87	6	8	1
All States	13,862	1,075	345	1,992	433	1,564	266	3,130	298	6,101	154

\* Blank cells indicate that there were no analytical results for that State.

**Table B.48.a. Simazine - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,104	255	57	971	154	1,117	77	596	24	165	1
CA	13,942	1,455	911	1,935	345	1,992	139	4,335	151	4,225	62
FL	4,647	1,975	1,379	710	443	384	122	778	139	800	62
IL	5,281	1,735	505	2,083	379	556	89	696	55	211	3
IN	2,857	1,274	891	699	377	380	79	399	38	105	4
KY	1,019	699	169	212	47	68	16	28	5	12	1
MI	1,278	743	644	391	271	101	53	31	13	12	4
MT	398	191	153	66	24	28	9	113	2		
NE	1,973	963	453	639	180	145	23	213	9	13	1
NJ											
NM	4,255	2,018	531	860	126	369	23	624	17	384	2
OR	596	398	328	120	69	34	12	43	12	1	1
SC	6,207	2,641	682	1,513	150	1,328	44	455	14	270	2
SD	936	450	150	218	61	151	14	117	4		
TX	4,334	1,964	1,188	1,168	453	775	150	375	53	52	6
VT	913	745	416	140	57	28	8				
All States	51,740	17,506	8,457	11,725	3,136	7,456	858	8,803	536	6,250	149
<b>Surface Water</b>											
AL	822	38	8	67	11	117	16	380	32	220	9
CA	4,941	30	10	58	22	109	15	1,048	25	3,696	53
FL	79	2	1	10	5	10	3	34	7	23	5
IL	2,112	71	3	782	36	420	22	594	32	245	16
IN	625	35	6	90	11	110	16	178	13	212	8
KY	1,073	127	26	257	48	269	53	352	57	68	5
MI	240	5	4	66	16	73	15	76	19	20	6
MT	81	8	5	19	7	18	8	31	3	5	2
NE	158	5	2	21	3	22	3	23	1	87	1
NJ											
NM	251	54	17	60	12	44	5	44	4	49	1
OR	425	67	43	129	59	82	18	106	21	41	4
SC	655	29	4	148	19	131	12	269	24	78	7
SD	183	26	9	18	7	54	8	55	7	30	2
TX	4,496	749	93	1,050	123	898	70	1,055	66	744	30
VT	292	42	21	103	27	48	8	93	6	6	1
All States	16,433	1,288	252	2,878	406	2,405	272	4,338	317	5,524	150

\* Blank cells indicate that there were no analytical results for that State.

**Table B.49.a. Styrene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,119	406	56	1,622	152	1,601	76	1,189	24	301	1
CA	31,222	1,564	661	3,382	353	3,851	150	10,066	161	12,359	65
FL	18,430	8,914	1,972	2,937	549	1,138	126	2,139	141	3,302	62
IL	23,503	9,484	657	8,552	435	2,796	109	2,254	60	417	3
IN	3,795	1,965	874	974	371	405	79	385	38	66	4
KY	1,146	786	173	238	47	80	16	28	5	14	1
MI	4,171	2,836	1,933	925	429	310	58	92	14	8	3
MT	3,331	2,338	678	537	78	184	11	272	2		
NE	4,766	2,603	591	1,357	183	376	24	405	9	25	1
NJ	10,044	4,580	1,279	1,736	255	1,060	71	2,046	65	622	4
NM	5,248	2,742	557	957	130	360	24	703	17	486	2
OR	646	447	328	125	66	31	12	41	12	2	1
SC	8,328	4,016	763	1,811	154	1,544	45	633	14	324	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,676	2,950	543	644	62	82	8				
All States	147,301	56,495	14,149	32,838	4,581	17,605	1,152	22,107	661	18,256	161
<b>Surface Water</b>											
AL	2,295	145	8	166	11	283	16	846	32	855	9
CA	9,948	70	26	171	36	335	24	1,491	31	7,881	56
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,798	58	3	915	37	615	26	766	33	444	18
IN	528	37	6	82	11	110	16	149	13	150	8
KY	1,151	131	27	256	48	251	53	443	57	70	5
MI	511	30	6	102	19	116	14	239	23	24	6
MT	391	80	21	131	18	89	9	60	3	31	2
NE	154	13	3	27	3	26	3	25	1	63	1
NJ	671	6	1	20	4	36	5	147	11	462	12
NM	209	40	10	40	8	53	2	18	2	58	1
OR	450	80	44	145	58	74	18	115	21	36	4
SC	1,091	55	10	204	22	161	14	533	27	138	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	764	160	36	316	33	76	8	176	6	36	1
All States	27,349	1,952	327	3,961	445	3,457	290	6,469	339	11,510	167

\* Blank cells indicate that there were no analytical results for that State.

**Table B.50.a. Tetrachloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,120	406	56	1,622	152	1,601	76	1,192	24	299	1
CA	49,815	4,112	2,176	4,779	490	5,311	158	16,278	162	19,335	66
FL	18,663	8,952	1,974	2,941	550	1,145	126	2,290	141	3,335	62
IL	23,690	9,512	657	8,601	436	2,814	109	2,324	60	439	3
IN	3,859	1,961	872	985	371	425	80	390	38	98	4
KY	1,146	786	173	238	47	80	16	28	5	14	1
MI	2,013	886	666	656	279	321	56	137	14	13	4
MT	3,335	2,340	678	537	78	186	11	272	2		
NE	3,855	2,131	572	1,071	181	320	24	325	9	8	1
NJ	11,150	4,765	1,294	1,914	259	1,236	73	2,421	65	814	4
NM	5,537	2,848	563	1,016	134	377	24	808	17	488	2
OR	699	483	337	135	69	31	12	48	12	2	1
SC	7,817	3,659	745	1,753	154	1,457	45	630	15	318	2
SD	495	346	230	126	64	20	12	3	3		
TX	19,146	8,566	2,744	5,874	1,229	3,000	325	1,458	96	248	12
VT	2,958	2,342	523	548	61	68	8				
All States	159,298	54,095	14,260	32,796	4,554	18,392	1,155	28,604	663	25,411	163
<b>Surface Water</b>											
AL	2,343	145	8	166	11	283	16	854	32	895	9
CA	19,944	82	27	206	38	426	26	3,490	32	15,740	56
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,813	58	3	919	37	617	26	770	33	449	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,179	138	27	256	48	251	53	462	57	72	5
MI	437	20	4	95	17	120	15	181	19	21	5
MT	391	80	21	131	18	89	9	60	3	31	2
NE	95	13	3	12	2	17	3	19	1	34	1
NJ	788	6	1	21	4	44	5	176	11	541	12
NM	347	88	20	70	12	65	5	61	4	63	1
OR	459	85	44	151	58	71	18	115	21	37	4
SC	963	49	10	198	22	148	14	443	25	125	7
SD	55	5	5	5	4	10	5	8	4	27	2
TX	4,777	916	116	1,179	123	842	71	983	65	857	30
VT	667	136	36	274	33	66	8	155	6	36	1
All States	35,920	1,863	332	3,795	443	3,178	293	7,968	333	19,116	166

\* Blank cells indicate that there were no analytical results for that State.

**Table B.51.a. Thallium - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	686	69	50	247	151	230	77	111	24	29	1
CA	6,979	1,051	676	1,027	288	959	134	2,095	156	1,847	65
FL	5,287	2,196	1,254	970	396	435	95	765	115	921	52
IL	163	53	51	65	53	17	15	15	7	13	2
IN	2,891	1,580	900	834	376	234	81	209	38	34	4
KY	911	611	195	203	47	73	16	19	5	5	1
MI	3,762	2,453	1,896	940	424	237	55	94	13	38	4
MT	1,000	627	410	241	69	56	10	76	2		
NE	980	346	229	370	162	132	23	128	9	4	1
NJ	3,463	1,644	1,015	622	243	376	71	680	64	141	4
NM	1,732	905	469	338	116	125	22	217	17	147	2
OR	614	444	376	120	74	23	11	26	12	1	1
SC	3,234	1,945	670	630	145	432	43	147	12	80	2
SD	255	177	167	55	42	9	7	14	3		
TX	5,384	2,468	2,252	2,030	1,126	568	293	253	84	65	11
VT	890	720	451	143	59	27	8				
All States	38,231	17,289	11,061	8,835	3,771	3,933	961	4,849	561	3,325	150
<b>Surface Water</b>											
AL	513	36	8	53	11	84	16	196	32	144	9
CA	2,826	76	28	99	30	84	23	459	28	2,108	62
FL	92	6	1	24	5	12	2	29	5	21	3
IL	67	2	2	30	30	13	13	16	16	6	6
IN	369	27	6	57	11	84	16	95	13	106	8
KY	1,039	118	34	274	48	288	53	318	57	41	4
MI	279	17	7	57	18	60	16	115	27	30	7
MT	252	46	18	107	18	42	9	45	3	12	2
NE	55			3	2	8	3	10	1	34	1
NJ	433	4	1	18	4	29	5	112	11	270	12
NM	134	36	16	33	12	25	5	23	4	17	1
OR	530	102	44	188	59	76	18	121	21	43	4
SC	425	35	9	91	20	90	12	156	24	53	7
SD	5	3	3			2	2				
TX	1,395	256	98	367	123	276	71	259	65	237	30
VT	314	60	28	146	32	39	8	63	6	6	1
All States	8,728	824	303	1,547	423	1,212	272	2,017	313	3,128	157

\* Blank cells indicate that there were no analytical results for that State.



**Table B.52.a. Toluene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,130	406	56	1,627	152	1,607	77	1,190	24	300	1
CA	38,611	4,011	2,167	4,348	488	4,580	158	11,329	162	14,343	66
FL	18,637	9,008	1,973	2,973	550	1,146	126	2,199	141	3,311	62
IL	23,627	9,499	657	8,587	435	2,827	109	2,290	60	424	3
IN	3,869	2,032	882	977	373	404	79	389	38	67	4
KY	1,164	796	173	246	47	80	16	28	5	14	1
MI	4,181	2,833	1,933	921	429	324	58	94	14	9	3
MT	3,322	2,340	678	537	78	173	11	272	2		
NE	4,766	2,603	591	1,357	183	376	24	405	9	25	1
NJ	10,067	4,588	1,279	1,738	255	1,062	71	2,055	65	624	4
NM	5,242	2,736	556	954	130	360	24	706	17	486	2
OR	663	463	336	126	66	31	12	41	12	2	1
SC	8,323	4,015	763	1,811	154	1,544	45	629	14	324	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,681	2,953	543	646	62	82	8				
All States	155,159	59,147	15,671	33,889	4,719	18,383	1,161	23,481	662	20,259	162
<b>Surface Water</b>											
AL	2,304	145	8	168	11	283	16	849	32	859	9
CA	11,697	79	27	187	38	409	25	1,713	32	9,309	57
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,811	58	3	917	37	621	26	770	33	445	18
IN	527	37	6	82	11	110	16	148	13	150	8
KY	1,238	145	27	266	48	273	53	478	57	76	5
MI	508	29	6	103	19	116	14	236	23	24	6
MT	385	80	21	130	18	84	9	60	3	31	2
NE	154	13	3	27	3	26	3	25	1	63	1
NJ	671	6	1	20	4	36	5	147	11	462	12
NM	208	39	10	40	8	53	2	18	2	58	1
OR	451	80	44	149	58	71	18	115	21	36	4
SC	1,092	55	10	204	22	161	14	534	27	138	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	765	160	36	317	33	76	8	176	6	36	1
All States	29,199	1,973	328	3,996	447	3,551	291	6,730	340	12,949	168

\* Blank cells indicate that there were no analytical results for that State.

**Table B.53.a. Toxaphene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL											
CA	9,581	926	594	1,530	319	1,449	147	2,975	157	2,701	63
FL	4,724	2,008	1,380	719	443	389	122	793	139	815	62
IL	4,822	1,664	506	1,836	380	507	89	637	55	178	3
IN	2,821	1,261	891	693	377	369	79	394	38	104	4
KY	1,494	1,000	175	333	47	110	16	33	5	18	1
MI	1,250	728	637	382	265	99	53	29	13	12	4
MT	1,613	1,065	648	249	77	128	11	171	2		
NE	260	124	79	91	51	24	12	19	4	2	1
NJ	50	11	10	4	4	10	8	24	8	1	1
NM	4,265	2,034	531	859	126	366	23	620	17	386	2
OR	631	420	344	124	70	39	12	46	12	2	1
SC	4,797	1,946	674	1,084	150	1,148	44	402	13	217	2
SD	766	376	142	169	60	131	14	90	4		
TX	3,555	1,752	1,146	901	399	575	127	286	52	41	5
VT	887	696	392	153	58	38	8				
All States	41,516	16,011	8,149	9,127	2,826	5,382	765	6,519	519	4,477	149
<b>Surface Water</b>											
AL											
CA	3,644	41	16	88	28	132	24	694	30	2,689	56
FL	77	2	1	10	5	10	3	32	7	23	5
IL	1,488	41	3	527	36	298	22	423	32	199	16
IN	525	36	6	63	11	95	16	161	13	170	8
KY	1,615	213	32	368	48	421	53	531	57	82	5
MI	167	5	4	33	16	53	15	57	19	19	6
MT	249	34	19	77	18	62	9	64	3	12	2
NE	26			3	3	3	3	3	1	17	1
NJ	15	2	2	2	1	5	3	4	3	2	2
NM	264	61	19	65	12	46	5	41	4	51	1
OR	596	120	52	180	61	99	18	143	21	54	4
SC	561	24	4	118	19	107	12	246	25	66	7
SD	161	21	9	14	7	48	8	48	7	30	2
TX	1,180	239	88	249	112	199	67	285	61	208	29
VT	345	61	34	116	31	51	8	109	6	8	1
All States	10,913	900	289	1,913	408	1,629	266	2,841	289	3,630	145

\* Blank cells indicate that there were no analytical results for that State.

**Table B.54.a. 2,4,5-TP - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	3,131	256	57	985	154	1,117	77	608	24	165	1
CA	8,689	651	390	1,377	276	1,439	143	2,824	156	2,398	63
FL	4,630	1,984	1,384	705	442	388	122	781	139	772	62
IL	4,750	1,631	507	1,805	379	507	89	627	55	180	3
IN	2,838	1,262	892	695	377	377	79	398	38	106	4
KY	1,492	1,003	175	331	47	108	16	32	5	18	1
MI	2,800	2,099	1,897	572	411	97	57	24	12	8	3
MT	1,648	1,085	650	268	77	124	11	171	2		
NE	632	300	212	165	59	100	20	66	8	1	1
NJ	54	10	9	4	4	10	8	29	9	1	1
NM	4,060	1,920	526	807	123	366	23	599	17	368	2
OR	626	414	340	123	69	41	12	46	12	2	1
SC	4,983	1,954	666	1,018	146	1,301	44	427	12	283	2
SD	867	434	150	203	60	114	14	116	4		
TX	3,469	1,727	1,149	903	406	518	120	281	52	40	5
VT	1,006	799	439	173	58	34	8				
All States	45,675	17,529	9,443	10,134	3,088	6,641	843	7,029	545	4,342	149
<b>Surface Water</b>											
AL	914	46	8	76	11	133	16	397	32	262	9
CA	3,275	41	16	78	28	121	24	634	28	2,401	56
FL	78	3	1	10	5	10	3	32	7	23	5
IL	1,468	48	3	569	36	294	22	363	32	194	16
IN	544	49	6	68	11	104	16	159	13	164	8
KY	1,628	211	32	371	48	422	53	538	57	86	5
MI	175	6	5	34	17	49	14	66	23	20	7
MT	227	34	19	67	18	61	9	54	3	11	2
NE	34					4	2	6	1	24	1
NJ	13			2	1	5	3	4	3	2	2
NM	155	26	11	32	8	32	2	17	2	48	1
OR	603	118	51	182	61	106	18	143	21	54	4
SC	658	41	9	125	21	116	12	301	26	75	7
SD	183	27	9	18	7	53	8	55	7	30	2
TX	2,263	364	87	611	121	417	70	514	66	357	30
VT	353	46	25	126	33	56	8	118	6	7	1
All States	12,571	1,060	282	2,369	426	1,983	280	3,401	327	3,758	156

\* Blank cells indicate that there were no analytical results for that State.

**Table B.55.a. 1,2,4-Trichlorobenzene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,119	406	56	1,623	152	1,601	76	1,190	24	299	1
CA	31,171	1,667	743	3,343	364	3,771	148	9,953	161	12,437	65
FL	18,436	8,917	1,973	2,932	549	1,138	126	2,149	141	3,300	62
IL	20,798	8,124	623	7,516	433	2,595	109	2,174	60	389	3
IN	3,762	1,940	872	968	371	403	79	385	38	66	4
KY	1,147	787	173	238	47	80	16	28	5	14	1
MI	4,155	2,833	1,933	915	429	308	58	91	14	8	3
MT	0										
NE	4,769	2,604	592	1,358	183	376	24	406	9	25	1
NJ	10,557	4,661	1,282	1,814	259	1,169	73	2,270	65	643	4
NM	5,248	2,742	557	957	130	360	24	703	17	486	2
OR	647	449	330	125	66	31	12	41	12	1	1
SC	8,318	4,015	763	1,812	154	1,534	45	633	14	324	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,251	2,627	515	555	62	69	8				
All States	141,254	52,636	13,496	31,197	4,516	17,222	1,141	21,877	659	18,322	161
<b>Surface Water</b>											
AL	2,295	145	8	166	11	283	16	846	32	855	9
CA	9,881	72	26	162	35	324	24	1,485	31	7,838	56
FL	136	6	1	29	5	19	3	44	7	38	5
IL	2,277	33	3	636	37	534	26	688	33	386	18
IN	527	36	6	83	11	110	16	148	13	150	8
KY	1,153	131	27	256	48	251	53	443	57	72	5
MI	506	29	6	102	19	116	14	235	23	24	6
MT	0										
NE	155	13	3	27	3	26	3	25	1	64	1
NJ	732	6	1	20	4	44	5	165	11	497	12
NM	209	40	10	40	8	53	2	18	2	58	1
OR	448	80	44	145	58	71	18	116	21	36	4
SC	1,091	55	10	204	22	161	14	533	27	138	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	629	131	32	278	33	62	8	132	6	26	1
All States	26,292	1,818	302	3,505	426	3,267	281	6,296	336	11,406	165

\* Blank cells indicate that there were no analytical results for that State.

**Table B.56.a. 1,1,1-Trichloroethane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,148	406	56	1,634	152	1,614	76	1,194	24	300	1
CA	39,796	4,079	2,177	4,398	488	4,667	158	11,287	162	15,365	66
FL	18,576	8,928	1,973	2,938	549	1,145	126	2,245	141	3,320	62
IL	23,732	9,521	659	8,602	435	2,837	109	2,312	60	460	3
IN	3,862	1,975	880	979	372	408	79	400	38	100	4
KY	1,589	1,059	180	363	48	135	16	28	5	4	1
MI	4,169	2,835	1,933	919	429	314	58	93	14	8	3
MT	3,334	2,340	678	538	78	184	11	272	2		
NE	4,769	2,604	592	1,358	183	376	24	406	9	25	1
NJ	10,982	4,819	1,296	1,895	261	1,239	73	2,388	65	641	4
NM	5,250	2,742	557	957	130	360	24	703	17	488	2
OR	1,919	1,501	933	286	110	62	17	68	13	2	1
SC	8,828	4,116	767	2,014	154	1,660	45	674	14	364	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,678	2,951	543	645	62	82	8				
All States	159,508	60,740	16,308	34,567	4,768	18,870	1,167	23,924	663	21,407	162
<b>Surface Water</b>											
AL	2,313	146	8	167	11	285	16	849	32	866	9
CA	13,356	80	27	189	38	416	26	1,990	32	10,681	56
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,816	58	3	919	37	622	26	770	33	447	18
IN	528	36	6	82	11	110	16	148	13	152	8
KY	1,704	176	30	406	47	411	53	662	54	49	4
MI	507	29	6	103	19	116	14	235	23	24	6
MT	391	80	21	131	18	89	9	60	3	31	2
NE	155	13	3	27	3	26	3	25	1	64	1
NJ	764	6	1	21	4	45	5	161	11	531	12
NM	210	40	10	40	8	53	2	18	2	59	1
OR	925	231	53	358	61	107	18	182	22	47	4
SC	1,147	59	10	210	22	163	14	563	27	152	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	763	160	36	316	33	76	8	175	6	36	1
All States	31,968	2,161	340	4,356	449	3,751	292	7,299	338	14,401	166

\* Blank cells indicate that there were no analytical results for that State.

**Table B.57.a. 1,1,2-Trichloroethane - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,117	406	56	1,623	152	1,600	76	1,189	24	299	1
CA	38,672	4,044	2,172	4,350	489	4,630	158	10,882	162	14,766	66
FL	18,523	8,921	1,972	2,929	549	1,130	126	2,238	141	3,305	62
IL	23,525	9,486	657	8,567	436	2,797	109	2,259	60	416	3
IN	3,755	1,934	871	968	371	402	79	385	38	66	4
KY	1,144	786	173	238	47	80	16	26	5	14	1
MI	1,967	884	666	630	279	308	56	134	14	11	4
MT	3,334	2,340	678	538	78	184	11	272	2		
NE	3,857	2,131	572	1,072	181	320	24	326	9	8	1
NJ	10,069	4,586	1,280	1,746	255	1,065	71	2,051	65	621	4
NM	5,503	2,841	563	1,012	133	377	24	786	17	487	2
OR	647	449	330	125	66	31	12	41	12	1	1
SC	7,799	3,665	747	1,753	154	1,440	45	623	15	318	2
SD	495	346	230	126	64	20	12	3	3		
TX	19,196	8,566	2,744	5,878	1,230	3,000	325	1,504	97	248	12
VT	2,930	2,342	523	520	61	68	8				
All States	146,533	53,727	14,234	32,075	4,545	17,452	1,152	22,719	664	20,560	163
<b>Surface Water</b>											
AL	2,296	145	8	166	11	283	16	847	32	855	9
CA	11,945	80	27	189	38	409	26	1,885	32	9,382	56
FL	125	6	1	22	4	19	3	39	6	39	5
IL	2,798	58	3	915	37	617	26	766	33	442	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,154	131	27	256	48	252	53	443	57	72	5
MI	437	20	4	95	17	120	15	181	19	21	5
MT	391	80	21	131	18	89	9	60	3	31	2
NE	64	13	3	12	2	5	1			34	1
NJ	670	6	1	20	4	36	5	147	11	461	12
NM	344	88	20	69	12	65	5	61	4	61	1
OR	455	80	44	149	58	73	18	116	21	37	4
SC	957	43	8	198	22	148	14	443	25	125	7
SD	54	5	5	4	3	10	5	8	4	27	2
TX	4,606	838	102	1,149	120	842	71	920	63	857	30
VT	551	104	27	228	29	66	8	118	5	35	1
All States	27,373	1,733	307	3,685	434	3,144	291	6,182	328	12,629	166

\* Blank cells indicate that there were no analytical results for that State.

**Table B.58.a. Trichloroethylene - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,151	407	56	1,639	152	1,614	76	1,191	24	300	1
CA	51,708	4,170	2,177	4,474	489	5,326	158	17,794	162	19,944	66
FL	18,904	8,987	1,974	2,939	549	1,151	126	2,502	141	3,325	62
IL	23,744	9,530	659	8,607	436	2,823	109	2,317	60	467	3
IN	3,908	1,972	873	980	371	433	80	416	38	107	4
KY	1,593	1,050	180	376	48	135	16	28	5	4	1
MI	2,069	884	666	671	279	361	56	140	14	13	4
MT	3,333	2,340	678	537	78	184	11	272	2		
NE	3,855	2,131	572	1,071	181	320	24	325	9	8	1
NJ	11,122	4,815	1,296	1,930	261	1,254	73	2,422	65	701	4
NM	5,531	2,841	563	1,015	134	392	24	795	17	488	2
OR	1,932	1,513	934	286	110	62	17	69	13	2	1
SC	8,323	3,767	751	1,966	156	1,567	45	665	15	358	2
SD	495	346	230	126	64	20	12	3	3		
TX	19,146	8,583	2,748	5,857	1,225	3,000	325	1,458	96	248	12
VT	2,972	2,343	523	561	61	68	8				
All States	163,786	55,679	14,880	33,035	4,594	18,710	1,160	30,397	664	25,965	163
<b>Surface Water</b>											
AL	2,375	146	8	166	11	285	16	853	32	925	9
CA	20,417	80	27	189	38	439	26	3,103	32	16,606	56
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,814	58	3	919	37	619	26	770	33	448	18
IN	527	36	6	82	11	110	16	148	13	151	8
KY	1,702	176	30	407	47	409	53	661	54	49	4
MI	437	20	4	95	17	120	15	181	19	21	5
MT	391	80	21	131	18	89	9	60	3	31	2
NE	95	13	3	12	2	17	3	19	1	34	1
NJ	763	6	1	21	4	44	5	161	11	531	12
NM	345	88	20	70	12	65	5	61	4	61	1
OR	925	233	53	355	61	107	18	182	22	48	4
SC	1,003	47	8	195	20	150	14	471	25	140	7
SD	55	5	5	5	4	10	5	8	4	27	2
TX	4,777	939	117	1,164	123	845	71	972	64	857	30
VT	666	136	36	274	33	66	8	155	6	35	1
All States	37,428	2,069	343	4,115	443	3,394	293	7,848	330	20,002	165

\* Blank cells indicate that there were no analytical results for that State.

**Table B.59.a. Vinyl Chloride - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,117	406	56	1,623	152	1,600	76	1,189	24	299	1
CA	38,299	4,038	2,173	4,307	489	4,585	158	10,806	162	14,563	66
FL	19,021	8,957	1,974	2,939	549	1,155	126	2,643	141	3,327	62
IL	23,526	9,487	659	8,556	435	2,797	109	2,269	60	417	3
IN	3,764	1,934	871	970	371	403	79	389	38	68	4
KY	1,566	1,037	179	361	48	136	16	28	5	4	1
MI	4,161	2,833	1,933	915	429	309	58	96	14	8	3
MT	3,333	2,340	678	537	78	184	11	272	2		
NE	4,766	2,603	591	1,357	183	376	24	405	9	25	1
NJ	10,767	4,803	1,296	1,865	261	1,175	73	2,304	65	620	4
NM	5,248	2,742	557	957	130	360	24	703	17	486	2
OR	1,917	1,500	934	285	110	62	17	68	13	2	1
SC	8,831	4,116	767	2,013	154	1,660	45	678	14	364	2
SD	683	449	278	188	82	27	15	19	4		
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,251	2,627	515	555	62	69	8				
All States	157,443	60,287	16,267	34,281	4,768	18,658	1,167	23,704	663	20,513	162
<b>Surface Water</b>											
AL	2,296	145	8	167	11	283	16	846	32	855	9
CA	12,140	80	27	186	37	408	26	1,874	32	9,592	56
FL	136	6	1	30	5	19	3	43	7	38	5
IL	2,801	58	3	915	37	617	26	768	33	443	18
IN	526	36	6	82	11	110	16	148	13	150	8
KY	1,634	174	30	405	47	408	53	598	54	49	4
MI	506	29	6	102	19	116	14	235	23	24	6
MT	391	80	21	131	18	89	9	60	3	31	2
NE	154	13	3	27	3	26	3	25	1	63	1
NJ	762	6	1	21	4	43	5	161	11	531	12
NM	209	40	10	40	8	53	2	18	2	58	1
OR	923	231	53	356	61	107	18	182	22	47	4
SC	1,147	59	10	211	22	163	14	563	27	151	7
SD	70	10	8	9	8	13	7	11	6	27	2
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	629	131	32	278	33	62	8	132	6	26	1
All States	30,507	2,129	336	4,308	448	3,717	292	7,071	338	13,282	166

\* Blank cells indicate that there were no analytical results for that State.



**Table B.60.a. Xylenes (Total) - Number of Records and Number of Systems in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	≤ 500		501 - 3,300		3,301 - 10,000		10,001 - 50,000		> 50,000	
		Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems	Number of Records	Number of Systems
<b>Ground Water</b>											
AL	5,118	406	56	1,623	152	1,600	76	1,190	24	299	1
CA	37,609	3,980	2,163	4,292	487	4,527	158	11,272	162	13,538	66
FL	18,682	8,989	1,975	3,003	549	1,163	126	2,201	141	3,326	62
IL	23,210	9,473	655	8,545	434	2,663	107	2,152	60	377	3
IN	3,782	1,952	871	975	371	401	78	388	38	66	4
KY	4	4	3								
MI	4,171	2,834	1,933	916	429	321	58	92	14	8	3
MT	3,269	2,299	676	531	78	173	11	266	2		
NE	1	1	1								
NJ	10,271	4,502	1,242	1,755	249	1,149	73	2,244	65	621	4
NM	4,619	2,375	550	857	129	333	23	573	17	481	2
OR	654	453	334	127	67	31	12	41	12	2	1
SC	4,916	3,033	686	853	144	667	43	264	13	99	2
SD	0										
TX	23,193	10,415	2,806	6,853	1,235	3,760	328	1,835	95	330	12
VT	3,558	2,863	537	616	62	79	8				
All States	143,057	53,579	14,488	30,946	4,386	16,867	1,101	22,518	643	19,147	160
<b>Surface Water</b>											
AL	2,297	145	8	166	11	283	16	847	32	856	9
CA	12,768	79	27	187	38	409	25	1,853	32	10,240	56
FL	135	6	1	29	5	19	3	43	7	38	5
IL	2,465	58	3	906	37	513	26	628	33	360	18
IN	529	39	6	82	11	110	16	148	13	150	8
KY	2			2	1						
MI	527	40	6	104	19	119	14	240	23	24	6
MT	371	80	21	122	17	84	9	55	3	30	2
NE	0										
NJ	757	6	1	16	3	43	5	159	11	533	12
NM	186	32	9	36	8	50	2	18	2	50	1
OR	442	80	44	147	58	71	18	114	21	30	3
SC	473	39	9	82	21	102	12	196	26	54	7
SD	0										
TX	6,183	1,031	117	1,348	124	1,200	72	1,407	66	1,197	30
VT	754	154	36	314	33	76	8	175	6	35	1
All States	27,889	1,789	288	3,541	386	3,079	226	5,883	275	13,597	158

\* Blank cells indicate that there were no analytical results for that State.

**Table B.1.b. Alachlor - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,090	2	0.06%										0.00008	0.00049	0.0009			
CA	7,320	5	0.07%	0.0002	0.0006	0.001	0.001	0.001	0.001				0.0002	0.0002	0.0002			
FL	4,641		0.00%															
IL	5,291	9	0.17%	0.00023	0.00023	0.00025	0.0002	0.000475	0.003									
IN	2,901	3	0.10%	0.0003	0.0006	0.0009												
KY	1,743	2	0.11%	0.00003	0.00003	0.00003	0.00198	0.00198	0.00198									
MI	1,278	1	0.08%										0.0014	0.0014	0.0014			
MT	1,621		0.00%															
NE	1,660	20	1.20%	0.00018	0.00018	0.00018	0.00011	0.000425	0.00057	0.00004	0.00078	0.0016						
NJ	0		0.00%															
NM	4,264		0.00%															
OR	593		0.00%															
SC	5,806	3	0.05%				0.00046	0.00046	0.00108									
SD	773		0.00%															
TX	3,742	1	0.03%										0.0008	0.0008	0.0008			
VT	949		0.00%															
All States	45,672	46	0.10%	0.00003	0.00024	0.001	0.00011	0.000485	0.003	0.00004	0.00078	0.0016	0.00008	0.0008	0.0014			
<b>Surface Water</b>																		
AL	801	3	0.37%				0.00003	0.000045	0.00006	0.00009	0.00009	0.00009						
CA	2,578	1	0.04%													0.009	0.009	0.009
FL	79		0.00%															
IL	2,107	62	2.94%	0.00043	0.000495	0.00056	0.0002	0.000315	0.0017	0.00024	0.00038	0.0012	0.0002	0.00031	0.0019	0.0002	0.00083	0.001
IN	603	14	2.32%	0.0001	0.0001	0.0001	0.0001	0.00015	0.00062	0.00132	0.00134	0.00136				0.0002	0.00038	0.0064
KY	1,519	11	0.72%				0.00006	0.00198	0.008	0.00004	0.00015	0.00026	0.00003	0.000055	0.00006	0.00003	0.00003	0.00003
MI	240	5	2.08%				0.0005	0.0013	0.0021	0.0004	0.0012	0.002	0.0004	0.0004	0.0004			
MT	247		0.00%															
NE	160	3	1.88%							0.00009	0.00009	0.00009				0.00007	0.0001	0.00013
NJ	0		0.00%															
NM	250		0.00%															
OR	424		0.00%															
SC	667		0.00%															
SD	161		0.00%															
TX	2,828	25	0.88%	0.00012	0.00046	0.0058	0.00013	0.0003	0.00042	0.00012	0.00018	0.00034	0.00016	0.00025	0.00041	0.0001	0.00014	0.00022
VT	364		0.00%															
All States	13,028	124	0.95%	0.0001	0.00043	0.0058	0.00003	0.00031	0.008	0.00004	0.00033	0.002	0.00003	0.00027	0.0019	0.00003	0.000215	0.009

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.2.b. Antimony - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	686	6	0.87%				0.002	0.003	0.005				0.002	0.002	0.002			
CA	6,977	1	0.01%													0.16	0.16	0.16
FL	5,206	316	6.07%	0.0003	0.00345	0.3	0.0008	0.003	0.0165	0.0004	0.0038	0.041	0.001	0.003	0.02	0.0002	0.003	0.027
IL	160		0.00%															
IN	2,897	1,716	59.23%	0.00005	0.002	0.04	0.0001	0.002	0.03	0.0002	0.002	1	0.0002	0.002	0.006	0.0002	0.0004	0.005
KY	877	118	13.45%	0.001	0.004	0.175	0.001	0.004	0.019	0.002	0.004	0.007	0.004	0.004	0.004			
MI	0		0.00%															
MT	1,096	81	7.39%	0.001	0.001	0.017	0.001	0.003	0.034	0.001	0.001	0.006						
NE	991	226	22.81%	0.001	0.001	0.002	0.001	0.001	0.003	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
NJ	3,469	145	4.18%	0.001	0.0049	3.8	0.0002	0.00285	0.05	0.001	0.004	0.034	0.0004	0.0028	0.037			
NM	1,689	10	0.59%	0.00084	0.0011	0.002	0.0006	0.0006	0.002				0.0002	0.0005	0.0006			
OR	616	5	0.81%	0.00003	0.006	0.032	0.002	0.00215	0.0023									
SC	3,658	22	0.60%	0.003	0.004	0.025	0.003	0.003	0.004	0.003	0.003	0.003	0.006	0.015	0.024			
SD	372	149	40.05%	0.00028	0.002	0.01	0.00024	0.002	0.005	0.0003	0.002	0.005	0.0004	0.001	0.0015			
TX	5,379	41	0.76%	0.002	0.0026	0.0053	0.002	0.0038	0.0053	0.0022	0.0032	0.0032						
VT	1,090	17	1.56%	0.003	0.0075	0.012	0.003	0.003	0.003									
All States	35,163	2,853	8.11%	0.00003	0.002	3.8	0.0001	0.002	0.05	0.0002	0.002	1	0.0002	0.002	0.037	0.0002	0.0025	0.16
<b>Surface Water</b>																		
AL	523	12	2.29%	0.003	0.003	0.003	0.003	0.0035	0.004	0.002	0.002	0.002	0.002	0.00275	0.0392	0.0009	0.00245	0.004
CA	2,838		0.00%															
FL	92	1	1.09%													0.012	0.012	0.012
IL	67		0.00%															
IN	371	228	61.46%	0.002	0.005	0.005	0.0002	0.0025	0.006	0.0004	0.003	0.005	0.0002	0.001	0.005	0.0002	0.001	0.006
KY	1,000	112	11.20%	0.001	0.004	0.007	0.0002	0.003	0.007	0.001	0.004	0.017	0.001	0.0035	0.009	0.0004	0.002	0.003
MI	0		0.00%															
MT	254	7	2.76%	0.001	0.001	0.001	0.001	0.001	0.001				0.001	0.001	0.001	0.002	0.002	0.002
NE	59	22	37.29%				0.001	0.001	0.001	0.001	0.5005	1	0.001	0.001	0.001	0.001	0.001	0.001
NJ	432	16	3.70%							0.002	0.002	0.002	0.002	0.0029	0.006	0.0005	0.004	0.006
NM	62		0.00%															
OR	528	6	1.14%				0.00003	0.000765	0.0015	0.003	0.003	0.003	0.002	0.008	0.01			
SC	497		0.00%															
SD	42	19	45.24%	0.0003	0.0004	0.002	0.0003	0.0004	0.0005	0.00036	0.0004	0.0004	0.0002	0.0003	0.0005			
TX	1,447	9	0.62%	0.0021	0.0023	0.0026	0.0028	0.00345	0.0041	0.002	0.0021	0.0024	0.0028	0.0028	0.0028			
VT	382	5	1.31%				0.005	0.005	0.005									
All States	8,594	437	5.08%	0.0003	0.003	0.007	0.00003	0.003	0.007	0.00036	0.003	1	0.0002	0.0025	0.0392	0.0002	0.001	0.012

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.3.b. Atrazine - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,100	10	0.32%				0.00006	0.000128	0.000196	0.00014	0.000264	0.002						
CA	13,673	187	1.37%	0.0002	0.00034	0.002	0.0005	0.0005	0.0005	0.00021	0.00056	0.0017	0.00011	0.0005	0.0024	0.00011	0.00056	0.0023
FL	4,631		0.00%															
IL	5,294	165	3.12%	0.00012	0.00035	0.0014	0.0001	0.000345	0.0079	0.0001	0.00033	0.0021	0.0001	0.00023	0.0027	0.0001	0.00036	0.0062
IN	2,989	39	1.30%	0.0001	0.00025	0.0019	0.0001	0.0003	0.006	0.00018	0.00023	0.0003	0.0001	0.0002	0.0003	0.0001	0.000125	0.0011
KY	1,829	17	0.93%	0.00002	0.00008	0.00025	0.00001	0.000175	0.0027	0.00009	0.00016	0.00044	0.00022	0.00024	0.00026			
MI	1,278	1	0.08%										0.0009	0.0009	0.0009			
MT	1,646	1	0.06%	0.00039	0.00039	0.00039												
NE	1,660	700	42.17%	0.00008	0.00022	0.00294	0.00008	0.00022	0.00585	0.00008	0.00016	0.00083	0.00008	0.00022	0.00385	0.00011	0.0002	0.00075
NJ	0		0.00%															
NM	4,257	9	0.21%	0.0003	0.000355	0.00037							0.00025	0.00025	0.00025			
OR	603		0.00%															
SC	5,813	1	0.02%							0.00093	0.00093	0.00093						
SD	771		0.00%															
TX	3,771	39	1.03%	0.0003	0.001	0.0018				0.0002	0.00065	0.0033	0.001	0.001	0.001			
VT	872	3	0.34%	0.0002	0.0002	0.0002				0.00027	0.00027	0.00027						
All States	52,187	1,172	2.25%	0.00002	0.00024	0.00294	0.00001	0.00023	0.0079	0.00008	0.000285	0.0033	0.00008	0.0003	0.00385	0.0001	0.0005	0.0062
<b>Surface Water</b>																		
AL	815	7	0.86%	0.00029	0.00029	0.00029	0.00009	0.00009	0.00009	0.0007	0.0007	0.0007	0.000133	0.0003625	0.000592	0.00008	0.000175	0.00027
CA	4,904	42	0.86%							0.0005	0.000555	0.00061	0.00011	0.00075	0.002	0.00012	0.0005	0.0017
FL	74		0.00%															
IL	2,138	1,369	64.03%	0.00012	0.0027	0.019	0.0001	0.0013	0.019	0.00011	0.00089	0.042	0.0001	0.00079	0.012	0.00008	0.00069	0.014
IN	725	243	33.52%	0.0001	0.0009	0.0061	0.00006	0.00082	0.0085	0.00015	0.000595	0.0042	0.0001	0.00041	0.0071	0.00013	0.0008	0.014
KY	1,575	139	8.83%	0.00002	0.00034	0.0008	0.00002	0.000555	0.008	0.00001	0.00015	0.0048	0.00002	0.00031	0.023	0.0001	0.000255	0.00096
MI	241	35	14.52%				0.0001	0.0003	0.0036	0.0001	0.0002	0.003	0.0001	0.0003	0.0038			
MT	252		0.00%															
NE	130	28	21.54%	0.00016	0.000595	0.00103	0.00042	0.000745	0.001	0.00016	0.00016	0.00016				0.00008	0.00017	0.0105
NJ	0		0.00%															
NM	251		0.00%															
OR	429		0.00%															
SC	658		0.00%															
SD	168	2	1.19%										0.000456	0.000456	0.000456	0.0001	0.0001	0.0001
TX	2,732	474	17.35%	0.0001	0.00036	0.0105	0.0001	0.00037	0.0039	0.00011	0.00051	0.0096	0.0001	0.0005	0.0029	0.0001	0.000445	0.0031
VT	213	2	0.94%							0.0001	0.0001	0.0001						
All States	15,305	2,341	15.30%	0.00002	0.00045	0.019	0.00002	0.001	0.019	0.00001	0.00066	0.042	0.00002	0.0006	0.023	0.00008	0.00057	0.014

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.4.b. Barium - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	1,491	298	19.99%	0.0034	0.025	0.74	0.002	0.049	0.621	0.006	0.05	0.65	0.01	0.03	0.47	0.02	0.024	0.028
CA	18,088	4,092	22.62%	0.051	0.14	7.6	0.051	0.13	1.31	0.051	0.14	3.14	0.051	0.124	0.9891	0.051	0.12	0.91
FL	5,109	2,706	52.97%	0.0003	0.01415	0.88	0.002	0.015	0.86	0.001	0.0147	0.53	0.0017	0.016	4	0.0017	0.018	41
IL	311	305	98.07%	0.008	0.078	1.4	0.006	0.078	6.8	0.005	0.0855	2.4	0.013	0.11	6.2	0.026	0.071	0.4
IN	2,989	2,800	93.68%	0.00001	0.093	7.1	0.00002	0.09	14	0.006	0.06	1	0.005	0.094	1.26	0.033	0.088	0.322
KY	961	715	74.40%	0.001	0.2915	9.15	0.002	0.0445	1.54	0.004	0.023	0.54	0.007	0.022	0.04	0.017	0.034	0.036
MI	0		0.00%															
MT	1,400	888	63.43%	0.005	0.0915	1.131	0.006	0.066	0.498	0.01	0.0825	0.3	0.1	0.2	0.5			
NE	167	142	85.03%	0.026	0.1675	0.31	0.079	0.21	0.895	0.1	0.195	0.33	0.1	0.18	0.48	0.118	0.215	0.225
NJ	3,636	1,804	49.61%	0.0018	0.06	9.2	0.001	0.042	2	0.0015	0.06	1.6	0.0038	0.082	3.8	0.025	0.085	0.48
NM	1,859	1,067	57.40%	0.0009	0.1	0.8	0.0007	0.0432	0.3	0.0072	0.07155	1.03	0.0006	0.06435	0.228	0.00019	0.0695	0.2
OR	1,787	510	28.54%	0.001	0.01765	4.75	0.0016	0.0175	1	0.004	0.009	0.1	0.003	0.013	0.08			
SC	3,761	847	22.52%	0.003	0.05	0.72	0.003	0.05	0.36	0.003	0.036	0.63	0.003	0.017	0.07	0.05	0.06	0.11
SD	365	340	93.15%	0.0017	0.1	0.857	0.004	0.1	0.665	0.002	0.1	0.256	0.1	0.15	0.16			
TX	6,341	6,140	96.83%	0.0005	0.0884	5.75	0.0007	0.0736	1.33	0.0025	0.085	0.559	0.002	0.059	0.358	0.004	0.046	1.51
VT	1,664	651	39.12%	0.002	0.03	0.5	0.01	0.038	0.34	0.01	0.02	0.1						
All States	49,929	23,305	46.68%	0.00001	0.065	9.2	0.00002	0.068	14	0.001	0.1	3.14	0.0006	0.103	6.2	0.00019	0.099	41
<b>Surface Water</b>																		
AL	840	406	48.33%	0.002	0.02	0.09	0.008	0.02	0.25	0.005	0.02	0.058	0.005	0.021	0.19	0.00244	0.024	0.21
CA	7,239	1,621	22.39%	0.11	0.225	0.66	0.094	0.15	0.39	0.1	0.15	0.304	0.0506	0.097	0.71	0.0505	0.1465	1
FL	91	43	47.25%	0.05	0.05	0.05	0.0013	0.027	0.07	0.01	0.017	0.0254	0.01	0.016	0.029	0.015	0.045	0.15
IL	69	69	100.00%	0.016	0.03	0.044	0.008	0.0315	0.065	0.02	0.023	0.051	0.01	0.0185	0.048	0.011	0.0195	40
IN	373	339	90.88%	0.008	0.019	0.9	0.006	0.042	1	0.008	0.03	0.9	0.01	0.05	0.9	0.004	0.045	0.146
KY	1,153	657	56.98%	0.002	0.027	0.45	0.006	0.025	0.44	0.003	0.029	0.75	0.002	0.029	1	0.02	0.031	0.106
MI	0		0.00%															
MT	265	94	35.47%	0.008	0.05	0.22	0.005	0.063	0.1	0.006	0.043	0.154	0.006	0.02	0.05	0.035	0.043	0.056
NE	26	22	84.62%							0.14	0.2875	0.305	0.0679	0.1175	0.14	0.0174	0.1675	0.34
NJ	460	253	55.00%				0.0089	0.014	0.033	0.01	0.0185	1.32	0.002	0.0342	6	0.0062	0.15	0.77
NM	78	55	70.51%	0.0084	0.0775	0.2	0.0058	0.0143	0.13	0.0002	0.01745	0.1	0.011	0.07225	0.2	0.1	0.2	1.1
OR	946	189	19.98%	0.0005	0.017	0.25	0.0016	0.0085	23	0.002	0.00545	0.3	0.001	0.00715	0.206	0.001	0.0035	0.027
SC	510	70	13.73%	0.01	0.06	0.1	0.008	0.02	0.07	0.004	0.013	0.08	0.003	0.0145	0.18	0.013	0.018	0.019
SD	35	32	91.43%	0.028	0.05	0.1	0.009	0.0245	0.15	0.031	0.03845	0.11	0.021	0.05	0.18	0.021	0.0764	0.1
TX	1,472	1,456	98.91%	0.003	0.0635	0.469	0.016	0.07099	0.333	0.004	0.06619	0.389	0.007	0.069995	0.299	0.007	0.068	0.26
VT	590	115	19.49%	0.01	0.0192	0.2	0.01	0.02	0.2	0.002	0.016	0.02	0.01	0.027	0.132			
All States	14,147	5,421	38.32%	0.0005	0.0415	0.9	0.0013	0.04115	23	0.0002	0.042	1.32	0.001	0.043	6	0.001	0.124	40

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.5.b. Benzene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,136	43	0.84%				0.0005	0.0021	0.247	0.0007	0.0013405	0.00275	0.00065	0.00263	0.0034	0.00083	0.0028	0.0098
CA	38,818	299	0.77%	0.0006	0.0068	0.243	0.0006	0.00195	0.0072	0.00053	0.011	1.3	0.00051	0.0011	0.012	0.0006	0.001	0.007
FL	18,951	143	0.75%	0.00001	0.0026	0.0037	0.0027	0.0029	0.0034	0.00056	0.001	0.011	0.00011	0.0011	0.0251	0.00014	0.000727	0.00312
IL	23,749	105	0.44%	0.0005	0.0006	0.008	0.0005	0.001	0.163	0.0005	0.0007	0.0098	0.000098	0.0016	0.005	0.00017	0.0005	0.0031
IN	3,781	7	0.19%	0.0007	0.0007	0.0007	0.0005	0.0007	0.0028	0.0017	0.0017	0.0017						
KY	1,575	5	0.32%	0.001	0.001	0.001	0.00055	0.00055	0.00055	0.0007	0.000705	0.00071						
MI	1,996	30	1.50%	0.0005	0.00155	0.0025	43.213	43.213	43.213	0.0005	0.0032	0.0351						
MT	3,333	5	0.15%	0.0062	0.0062	0.0062	0.001	0.00215	0.003									
NE	4,767	60	1.26%	0.0001	0.013	0.2486	0.0002	0.0005	0.2388	0.0003	0.00125	0.0022	0.00012	0.001005	0.01222			
NJ	10,778	65	0.60%	0.00032	0.0029	0.0299	0.00023	0.00054	0.0048	0.0005	0.00085	0.0012	0.0002	0.00072	0.021	0.00118	0.00118	0.00118
NM	5,515	111	2.01%	0.0004	0.0013	0.0045				0.0009	0.0009	0.0009	0.0004	0.00215	0.0264	0.0018	0.0018	0.0018
OR	1,926	10	0.52%	0.0003	0.0029	0.012	0.0001	0.0001	0.0001	0.0013	0.0013	0.0013	0.0006	0.0006	0.0006			
SC	8,855	42	0.47%	0.00056	0.00103	0.0068	0.00021	0.001095	0.0204	0.0011	0.0011	0.0011						
SD	720	4	0.56%				0.000582	0.00112	0.004348									
TX	24,168	125	0.52%	0.0005	0.0016	0.15	0.0005	0.0011	0.0062	0.0005	0.0017	0.0044	0.0007	0.0007	0.0007			
VT	3,965	21	0.53%	0.0002	0.0014	0.0127												
All States	158,033	1,075	0.68%	0.00001	0.0017	0.2486	0.0001	0.0016	43.213	0.0003	0.0021	1.3	0.000098	0.0012	0.0264	0.00014	0.001	0.0098
<b>Surface Water</b>																		
AL	2,297	4	0.17%	0.005	0.005	0.005	0.00072	0.00072	0.00072				0.00083	0.001615	0.0024			
CA	11,915	17	0.14%										0.00063	0.00078	0.00097	0.0006	0.0008	0.0029
FL	136		0.00%															
IL	2,827	26	0.92%				0.0005	0.0032	0.0059	0.00013	0.0005	0.002	0.0005	0.0005	0.0005	0.0005	0.0005	0.003
IN	526		0.00%															
KY	1,715	13	0.76%				0.00055	0.000795	0.0015	0.00052	0.00055	0.00061	0.001	0.00227	0.116			
MI	437	1	0.23%				0.0008	0.0008	0.0008									
MT	391		0.00%															
NE	155		0.00%															
NJ	761	1	0.13%				0.0004	0.0004	0.0004									
NM	343	3	0.87%													0.0008	0.0063	0.128
OR	924	1	0.11%				0.0005	0.0005	0.0005									
SC	1,140	17	1.49%				0.00072	0.00072	0.00072				0.00139	0.00323	0.00856			
SD	75		0.00%															
TX	6,324	9	0.14%	0.0005	0.0005	0.0005	0.0006	0.0006	0.0014				0.0006	0.0006	0.001	0.0011	0.001465	0.00183
VT	812	1	0.12%										0.0005	0.0005	0.0005			
All States	30,778	93	0.30%	0.0005	0.00275	0.005	0.0004	0.00071	0.0059	0.00013	0.00051	0.002	0.0005	0.00203	0.116	0.0005	0.0008	0.128

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.6.b. Benzo(a)pyrene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,121	8	0.26%				0.00002	0.000025	0.00016	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002			
CA	2,708		0.00%															
FL	4,659	21	0.45%	0.00002	0.00004	0.000199	0.0000166	0.000031	0.00011	0.00003	0.00005	0.000056				0.00001	0.0002035	0.000397
IL	5,242	4	0.08%	0.00003	0.00003	0.00011										0.000281	0.000281	0.000281
IN	2,844		0.00%															
KY	1,020	6	0.59%	0.0001	0.00014	0.00026												
MI	17		0.00%															
MT	1,614	2	0.12%	0.0001	0.00025	0.0004												
NE	1,974		0.00%															
NJ	0		0.00%															
NM	4,116		0.00%															
OR	549		0.00%															
SC	5,777	1	0.02%	0.00007	0.00007	0.00007												
SD	932		0.00%															
TX	533		0.00%															
VT	884	3	0.34%	0.000096	0.00053	0.00053												
All States	35,990	45	0.13%	0.00002	0.000099	0.00053	0.0000166	0.000026	0.00016	0.00003	0.000128	0.0002	0.0002	0.0002	0.0002	0.00001	0.000281	0.000397
<b>Surface Water</b>																		
AL	807	4	0.50%				0.00002	0.000025	0.00003	0.00006	0.00006	0.00006				0.00002	0.00002	0.00002
CA	1,316		0.00%															
FL	77		0.00%															
IL	1,784	1	0.06%													0.00005	0.00005	0.00005
IN	544	2	0.37%	0.00019	0.00019	0.00019										0.00002	0.00002	0.00002
KY	968	2	0.21%				0.00019	0.00019	0.00019				0.00013	0.00013	0.00013			
MI	11		0.00%															
MT	229		0.00%															
NE	158		0.00%															
NJ	0		0.00%															
NM	145		0.00%															
OR	410		0.00%															
SC	696	1	0.14%	0.00002	0.00002	0.00002												
SD	179		0.00%															
TX	2,931	1	0.03%	0.00004	0.00004	0.00004												
VT	277		0.00%															
All States	10,532	11	0.10%	0.00002	0.00004	0.00019	0.00002	0.00003	0.00019	0.00006	0.00006	0.00006	0.00013	0.00013	0.00013	0.00002	0.00002	0.00005

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.7.b. Beryllium - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	771	1	0.13%				0.001	0.001	0.001									
CA	7,692		0.00%															
FL	5,121	346	6.76%	0.0001	0.001	0.005	0.0001	0.00145	0.06	0.0001	0.0007	0.0039	0.0002	0.00065	0.02	0.0002	0.001	0.007
IL	252	1	0.40%				0.001	0.001	0.001									
IN	2,896	117	4.04%	0.00003	0.0012	0.003	0.00002	0.003	0.0039	0.0008	0.003	0.1	0.0001	0.0008	0.003	0.0008	0.0019	0.003
KY	820	47	5.73%	0.001	0.001	0.019	0.001	0.001	0.002									
MI	3,767	24	0.64%	0.0001	0.0001	0.0162	0.0001	0.00455	0.0133	0.0001	0.0098	0.0738	0.0306	0.0306	0.0306			
MT	1,000	7	0.70%	0.00006	0.002	0.002				0.002	0.002	0.002						
NE	980	10	1.02%	0.0005	0.001	0.001	0.0005	0.0005	0.0005	0.0005	0.50025	1						
NJ	3,454	130	3.76%	0.00005	0.001	0.014	0.00002	0.001	0.017	0.0008	0.0041	0.008	0.0002	0.001	0.006			
NM	1,738	4	0.23%	0.001	0.0065	0.029												
OR	615	6	0.98%	0.0003	0.0005	0.0008	0.0012	0.0012	0.0012				0.0006	0.0006	0.0006			
SC	3,307		0.00%															
SD	245	32	13.06%	0.00022	0.0007	0.004	0.0003	0.0003	0.001	0.0007	0.00085	0.001						
TX	6,343	19	0.30%	0.0009	0.001	0.008	0.0009	0.001	0.002									
VT	902	6	0.67%	0.0003	0.00125	0.016												
All States	39,903	750	1.88%	0.00003	0.001	0.029	0.00002	0.001	0.06	0.0001	0.001	1	0.0001	0.001	0.0306	0.0002	0.001	0.007
<b>Surface Water</b>																		
AL	371	6	1.62%				0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.003	0.001	0.001	0.001
CA	2,080		0.00%															
FL	91	1	1.10%				0.0002	0.0002	0.0002									
IL	68		0.00%															
IN	372	35	9.41%	0.003	0.003	0.003	0.0012	0.0012	0.003	0.0001	0.0001	0.0001	0.0001	0.0008	0.003	0.0008	0.0008	0.0028
KY	959	40	4.17%	0.001	0.001	0.002	0.001	0.001	0.002	0.001	0.001	0.001	0.00018	0.001	0.003			
MI	279	1	0.36%													0.0001	0.0001	0.0001
MT	256		0.00%															
NE	55		0.00%															
NJ	432	16	3.70%							0.004	0.004	0.004	0.001	0.0015	0.003	0.0004	0.0014	0.002
NM	128		0.00%															
OR	527	4	0.76%													0.00001	0.00004	0.00006
SC	429		0.00%															
SD	5		0.00%															
TX	1,468	4	0.27%	0.001	0.001	0.001				0.001	0.001	0.001	0.01	0.01	0.01			
VT	338	7	2.07%				0.001	0.012	0.08									
All States	7,858	114	1.45%	0.001	0.001	0.003	0.0002	0.0012	0.08	0.0001	0.001	0.004	0.0001	0.001	0.01	0.00001	0.0008	0.0028

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.



**Table B.8.b. Bis(2-ethylhexyl)adipate - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,175	46	1.45%	0.0003	0.0019	0.00836	0.0003	0.000825	0.0136	0.0003	0.002	0.00593	0.0003	0.0014	0.0045	0.0035	0.0071	0.0107
CA	0		0.00%															
FL	4,662	36	0.77%	0.000758	0.00263	0.16	0.0000055	0.000899	0.00793	0.000884	0.017	0.0482				0.00152	0.00152	0.00152
IL	5,260	6	0.11%				0.0007	0.0007	0.0007	0.0009	0.0009	0.0009	0.0008	0.0022	0.0045			
IN	2,862	8	0.28%	0.0009	0.0012	0.0035				0.0009	0.0009	0.0009	0.001	0.00105	0.0011			
KY	1,025	422	41.17%	0.0001	0.000365	0.019	0.0001	0.00036	0.003	0.00012	0.00031	0.01						
MI	17		0.00%															
MT	1,621	18	1.11%	0.0004	0.0005	0.0273	0.0014	0.009845	0.0133	0.0004	0.0004	0.0004	0.00012	0.000455	0.00079			
NE	1,974	21	1.06%	0.000295	0.00052	0.00085	0.00041	0.005705	0.0278	0.000362	0.000555	0.02203	0.00033	0.00597	0.01161			
NJ	0		0.00%															
NM	4,121	507	12.30%	0.00001	0.00007	0.028	0.00001	0.00003	0.029	0.00001	0.00002	0.00208	0.00001	0.00005	0.132	0.00001	0.00002	0.035
OR	555	3	0.54%	0.0002	0.0004	0.003												
SC	6,698	163	2.43%	0.0006	0.00106	0.01	0.0005	0.00102	0.01	0.0006	0.000955	0.0299	0.0006	0.00099	0.00227	0.0023	0.0023	0.0023
SD	927		0.00%															
TX	374	1	0.27%							0.001	0.001	0.001						
VT	973	120	12.33%	0.00014	0.0012	0.017	0.00016	0.00048	0.0068	0.00024	0.00024	0.02						
All States	34,244	1,351	3.95%	0.00001	0.00035	0.16	0.0000055	0.00042	0.029	0.00001	0.00046	0.0482	0.00001	0.00009	0.132	0.00001	0.00003	0.035
<b>Surface Water</b>																		
AL	887	42	4.74%	0.0003	0.0003	0.0003				0.0008	0.0014	0.0016	0.0002	0.002245	0.0415	0.0002	0.00575	0.18
CA	0		0.00%															
FL	77		0.00%															
IL	1,771		0.00%															
IN	548	2	0.36%													0.0021	0.00385	0.0056
KY	969	305	31.48%	0.0001	0.00043	0.005	0.0001	0.00033	0.005	0.00011	0.00034	0.004	0.00013	0.00099	5.09			
MI	11		0.00%															
MT	233	2	0.86%	0.0022	0.0022	0.0022				0.0005	0.0005	0.0005						
NE	158		0.00%															
NJ	0		0.00%															
NM	145	15	10.34%	0.00002	0.00002	0.00002	0.00001	0.000045	0.00036	0.00001	0.00002	0.00005				0.00002	0.00002	0.00009
OR	411	1	0.24%							0.055	0.055	0.055						
SC	750	25	3.33%	0.0006	0.00101	0.00117	0.00095	0.006145	0.00896	0.0006	0.00073	0.0299	0.0006	0.00625	0.01	0.00086	0.00086	0.00086
SD	179		0.00%															
TX	2,079		0.00%															
VT	295	16	5.42%	0.00024	0.00273	0.021	0.00018	0.0011	0.00177	0.0082	0.0096	0.011				0.00549	0.006895	0.0083
All States	8,513	408	4.79%	0.00002	0.00051	0.021	0.00001	0.00034	0.00896	0.00001	0.00034	0.055	0.00013	0.0014	5.09	0.00002	0.00424	0.18

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.9.b. Bis(2-ethylhexyl)phthalate - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,403	252	7.41%	0.0002	0.001075	0.0145	0.0002	0.0012	0.0244	0.00029	0.00122	0.0124	0.00014	0.00118	0.0074	0.0002	0.001125	0.0088
CA	4,409	106	2.40%	0.00011	0.0062	0.0227	0.0028	0.006	0.025	0.00342	0.00457	0.069	0.0008	0.00465	0.105	0.0006	0.001305	0.058
FL	4,728	104	2.20%	0.0000022	0.00216	0.0444	0.001	0.00225	0.00509	0.000299	0.00094	0.00683	0.00063	0.00242	0.0115	0.0009	0.0035	0.015
IL	5,302	191	3.60%	0.0006	0.0012	0.0091	0.0006	0.001025	0.0048	0.00066	0.0009	0.0023	0.0006	0.00125	0.0099	0.0006	0.0008	0.0019
IN	3,004	101	3.36%	0.0006	0.0012	0.01	0.0004	0.0012	0.0067	0.0007	0.00107	0.007	0.0002	0.0009	0.005	0.0008	0.001	0.0014
KY	177	6	3.39%	0.00098	0.0012	0.0021							0.00015	0.00015	0.00015			
MI	12	5	41.67%				0.0015	0.0015	0.0015	0.0006	0.0007	0.0068						
MT	1,622	45	2.77%	0.0000063	0.00115	0.0268	0.0000049	0.0005	0.0021	0.0004	0.00255	0.0047	0.00014	0.000255	0.0012			
NE	1,613	63	3.91%	0.0021	0.0049	0.0183	0.0022	0.00756	0.03752	0.0007	0.008485	0.0145	0.0011	0.011355	0.044			
NJ	0		0.00%															
NM	0		0.00%															
OR	0		0.00%															
SC	7,150	1,044	14.60%	0.0006	0.001115	2.83	0.00021	0.00124	0.0867	0.0006	0.001505	1.42	0.0006	0.00139	3	0.00061	0.0007	1.2
SD	787		0.00%															
TX	80	6	7.50%	0.0046	0.013	0.0225				0.00782	0.00782	0.00782						
VT	917	247	26.94%	0.00022	0.0012	2.5	0.00024	0.001	1.1	0.00044	0.0009	0.0086						
All States	33,204	2,170	6.54%	0.0000022	0.00124	2.83	0.0000049	0.00127	1.1	0.00029	0.00137	1.42	0.00014	0.001385	3	0.0002	0.001	1.2
<b>Surface Water</b>																		
AL	927	99	10.68%	0.0007	0.00125	0.0031	0.0004	0.00105	0.007	0.0001	0.00091	0.002	0.0002	0.00125	0.0222	0.000002	0.00175	0.007
CA	1,625	43	2.65%	0.00012	0.00023	0.0006				0.0037	0.0037	0.0037				0.00011	0.00314	0.0271
FL	79	1	1.27%							0.0006	0.0006	0.0006						
IL	1,820	68	3.74%	0.00069	0.00069	0.00069	0.0006	0.0009	0.0028	0.0006	0.0011	0.004	0.00061	0.00094	0.025	0.0006	0.000795	0.011
IN	574	43	7.49%	0.0008	0.00115	0.0015				0.0007	0.0015	0.00315	0.0007	0.00085	0.0025	0.00052	0.0009	0.0054
KY	404	30	7.43%	0.002	0.00774	0.00774	0.00012	0.0007	0.001				0.0008	0.00175	0.0077	0.0012	0.0017	0.00211
MI	11	9	81.82%							0.0009	0.0009	0.0009	0.0006	0.0008	0.0011	0.0006	0.00075	0.0009
MT	231	4	1.73%	0.0012	0.0012	0.0012				0.0006	0.0007	0.0016						
NE	121		0.00%															
NJ	0		0.00%															
NM	0		0.00%															
OR	0		0.00%															
SC	672	160	23.81%	0.0006	0.0008	0.00268	0.00062	0.00238	0.00939	0.0006	0.00114	0.0129	0.0006	0.00148	1.17	0.00062	0.001225	0.00431
SD	161		0.00%															
TX	971	16	1.65%	0.0021	0.0046	0.022	0.0023	0.0054	0.011	0.0031	0.0031	0.0031	0.0029	0.0029	0.0029	0.0078	0.0079	0.0084
VT	252	26	10.32%	0.00084	0.0012	0.0031	0.00071	0.00115	0.007				0.0009	0.0009	0.0823			
All States	7,848	499	6.36%	0.00012	0.0012	0.022	0.00012	0.0013	0.011	0.0001	0.0011	0.0129	0.0002	0.00146	1.17	0.000002	0.0012	0.0271

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.10.b. Cadmium - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	1,502	26	1.73%	0.001	0.001	0.01	0.001	0.01	0.09	0.0002	0.00145	0.004	0.0001	0.001	0.02			
CA	17,835	8	0.04%				0.079	0.5395	1	0.11	0.12	0.14	0.06	0.1	0.355			
FL	5,159	570	11.05%	0.0001	0.0003	0.045	0.0001	0.0006	0.018	0.0001	0.0003	0.013	0.0001	0.0003	0.0029	0.0001	0.0003	0.008
IL	251	3	1.20%				0.003	0.003	0.007									
IN	2,989	1,858	62.16%	0.00004	0.001	0.005	0.00004	0.001	0.005	0.00004	0.002	0.011	0.00004	0.001	0.005	0.00008	0.00017	0.005
KY	953	163	17.10%	0.0002	0.002	0.12	0.001	0.001	0.008	0.003	0.003	0.003						
MI	0		0.00%															
MT	1,408	28	1.99%	0.0001	0.002	0.011	0.001	0.002	0.002	0.003	0.003	0.003	0.001	0.001	0.001			
NE	162	1	0.62%							0.001	0.001	0.001						
NJ	3,570	201	5.63%	0.00004	0.001	0.044	0.0001	0.00085	0.018	0.00006	0.001	0.005	0.0001	0.001	0.27	0.0005	0.001	0.0011
NM	1,854	36	1.94%	0.0002	0.0006	0.0074	0.0002	0.002	0.003	0.00014	0.0002	0.0004	0.00012	0.000135	0.00015	0.0003	0.0003	0.0003
OR	1,727	70	4.05%	0.0001	0.001	0.014	0.001	0.003	0.009				0.0002	0.001	0.001			
SC	3,723	411	11.04%	0.0001	0.0002	0.0026	0.0001	0.0003	0.002	0.0001	0.0002	0.003	0.0002	0.0008	0.0024	0.0002	0.0002	0.0002
SD	366	169	46.17%	0.00022	0.0005	0.0016	0.00022	0.00047	0.0028	0.00047	0.0005	0.00106	0.00029	0.00047	0.0005			
TX	5,383	245	4.55%	0.0001	0.0003	0.0042	0.0001	0.0003	0.0078	0.0001	0.0004	0.0024	0.0002	0.0004	0.0009			
VT	1,666	39	2.34%	0.0006	0.002	0.04	0.002	0.002	0.002	0.002	0.002	0.002						
All States	48,548	3,828	7.88%	0.00004	0.001	0.12	0.00004	0.001	1	0.00004	0.001	0.14	0.00004	0.001	0.355	0.00008	0.0003	0.008
<b>Surface Water</b>																		
AL	839	7	0.83%							0.001	0.001	0.001	0.0005	0.001	0.01	0.00001	0.00003	0.00009
CA	7,183	1	0.01%										0.108	0.108	0.108			
FL	94	4	4.26%				0.0001	0.0001	0.0001	0.002	0.002	0.002	0.0002	0.0002	0.0002			
IL	67	1	1.49%	0.003	0.003	0.003												
IN	374	232	62.03%	0.0001	0.001	0.003	0.00007	0.00135	0.005	0.00004	0.0004	0.005	0.00004	0.0002	0.003	0.0001	0.0002	0.005
KY	1,147	56	4.88%	0.001	0.002	0.004	0.00012	0.001	0.004	0.00013	0.001	0.005	0.001	0.001	0.002			
MI	0		0.00%															
MT	266	11	4.14%	0.005	0.0055	0.006	0.002	0.002	0.004	0.001	0.001	0.001	0.001	0.001	0.0012			
NE	26		0.00%															
NJ	450	13	2.89%				0.00015	0.00015	0.00015	0.004	0.004	0.004	0.0001	0.0007	0.0027	0.00005	0.00026	0.005
NM	78	3	3.85%	0.003	0.003	0.003	0.0006	0.0006	0.0006	0.00034	0.00034	0.00034						
OR	939	16	1.70%	0.001	0.002	0.009	0.0006	0.0006	0.001	0.0004	0.001	0.0018	0.0001	0.0009	0.001			
SC	508	16	3.15%				0.0002	0.0003	0.001	0.0001	0.0004	0.005	0.0001	0.0002	0.001	0.0004	0.0007	0.001
SD	35	14	40.00%	0.00047	0.0005	0.0005	0.0005	0.0005	0.0005	0.00029	0.00047	0.0005	0.0005	0.0005	0.0005	0.0005	0.0006	0.001
TX	1,447	43	2.97%	0.0001	0.0002	0.0008	0.0001	0.0003	0.0008	0.0001	0.0003	0.001	0.0001	0.00025	0.0003	0.0001	0.0003	0.0059
VT	599	13	2.17%	0.002	0.0025	0.014	0.0009	0.002	0.002	0.003	0.003	0.003				0.002	0.002	0.002
All States	14,052	430	3.06%	0.0001	0.001	0.014	0.00007	0.001	0.005	0.00004	0.0005	0.005	0.00004	0.0005	0.108	0.00001	0.0003	0.0059

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.11.b. Carbofuran - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,087		0.00%															
CA	6,450	1	0.02%	0.005	0.005	0.005												
FL	4,670		0.00%															
IL	4,662	1	0.02%	0.0009	0.0009	0.0009												
IN	2,843	1	0.04%	0.02531	0.02531	0.02531												
KY	1,015	1	0.10%				0.00396	0.00396	0.00396									
MI	1,264		0.00%															
MT	1,593		0.00%															
NE	585		0.00%															
NJ	0		0.00%															
NM	4,156		0.00%															
OR	591		0.00%															
SC	5,787		0.00%															
SD	760		0.00%															
TX	3,467		0.00%															
VT	913		0.00%															
All States	41,843	4	0.01%	0.0009	0.005	0.02531	0.00396	0.00396	0.00396									
<b>Surface Water</b>																		
AL	796		0.00%															
CA	2,370		0.00%															
FL	79		0.00%															
IL	988	2	0.20%				0.00061	0.002355	0.0041									
IN	505		0.00%															
KY	967	1	0.10%							0.00066	0.00066	0.00066						
MI	184		0.00%															
MT	229		0.00%															
NE	43		0.00%															
NJ	0		0.00%															
NM	237		0.00%															
OR	422	2	0.47%									0.0009	0.0009	0.0009	0.0009	0.0009	0.0009	
SC	662		0.00%															
SD	163		0.00%															
TX	2,232		0.00%															
VT	274		0.00%															
All States	10,151	5	0.05%				0.00061	0.002355	0.0041	0.00066	0.00066	0.00066	0.0009	0.0009	0.0009	0.0009	0.0009	0.0009

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.12.b. Carbon Tetrachloride - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,122	17	0.33%	0.0005	0.00065	0.0008	0.0005	0.001	0.1192	0.0005	0.0006	0.0007	0.0024	0.0024	0.0024			
CA	41,407	1,057	2.55%				0.0006	0.00195	0.01	0.00051	0.0006	0.0117	0.00053	0.0022	0.029	0.00052	0.0011	0.0085
FL	18,542	67	0.36%	0.00001	0.00098	0.0247	0.0006	0.00085	0.0026	0.000047	0.000575	0.00614	0.0001	0.001	0.0028	0.0000005	0.0007	0.0035
IL	23,747	172	0.72%	0.0005	0.0007	0.012	0.0005	0.001	0.011	0.0005	0.0006	0.012	0.000234	0.001	0.00203	0.00013	0.0009	0.0021
IN	3,765	10	0.27%	0.002	0.00205	0.0021	0.0005	0.00068	0.00096	0.0006	0.0016	0.0063	0.0009	0.0009	0.0009			
KY	1,591	13	0.82%	0.0002	0.001	0.00122	0.0007	0.00125	0.00244	0.0017	0.0017	0.0017						
MI	1,972	5	0.25%	0.0009	0.0009	0.0009	0.0005	0.00055	0.0006	0.0007	0.0007	0.0007	0.0004	0.0004	0.0004			
MT	3,334	1	0.03%	0.00056	0.00056	0.00056												
NE	3,855	77	2.00%	0.0002	0.0019	0.0239	0.0006	0.0206	0.0404	0.0005	0.001	0.0015	0.0005	0.0012	0.005			
NJ	10,784	103	0.96%	0.00018	0.00142	0.03574	0.000005	0.0008	0.0013	0.00028	0.00205	0.00657	0.00018	0.0007	0.005			
NM	5,512	25	0.45%	0.0009	0.0009	0.0009	0.0002	0.0018	0.006	0.0146	0.0146	0.0146	0.0004	0.0004	0.0004			
OR	1,916	6	0.31%	0.0004	0.0008	0.0013												
SC	8,323	25	0.30%	0.00052	0.006515	0.0148	0.0005	0.002025	0.00917				0.00093	0.00123	0.00442			
SD	495	6	1.21%	0.000547	0.0005735	0.0006	0.000863	0.007225	0.007225									
TX	19,146	55	0.29%	0.0005	0.0008	0.0041	0.0002	0.0008	0.014	0.0003	0.00066	0.0012	0.00059	0.0006	0.0027			
VT	2,930	9	0.31%	0.0004	0.0055	0.027	0.0008	0.0008	0.0008									
All States	152,441	1,648	1.08%	0.00001	0.001	0.03574	0.000005	0.001	0.1192	0.000047	0.0008	0.0146	0.0001	0.002	0.029	0.0000005	0.0011	0.0085
<b>Surface Water</b>																		
AL	2,298	7	0.30%	0.00257	0.00257	0.00257							0.0005	0.001	0.0021	0.00082	0.00082	0.00082
CA	13,508	956	7.08%										0.0026	0.0026	0.0026	0.00051	0.0025	0.021
FL	136	13	9.56%				0.0027	0.00285	0.003							0.0005	0.0005	0.0017
IL	2,831	56	1.98%	0.001	0.001	0.001	0.0005	0.0008	0.0033	0.0005	0.0006	0.002	0.0005	0.0006	0.0014			
IN	527	1	0.19%				0.0005	0.0005	0.0005									
KY	1,720	17	0.99%				0.0001	0.000615	0.005	0.00051	0.001255	0.002	0.0005	0.0005	0.0005	0.0003	0.00035	0.0004
MI	441	5	1.13%							0.0004	0.0004	0.0004	0.0004	0.00065	0.0008			
MT	391	1	0.26%	0.0012	0.0012	0.0012												
NE	95		0.00%															
NJ	762	9	1.18%				0.0002	0.0003	0.0004	0.003	0.003	0.003	0.00078	0.001	0.0018	0.0001	0.000325	0.00055
NM	347		0.00%															
OR	924	1	0.11%										0.0005	0.0005	0.0005			
SC	1,003	22	2.19%				0.00111	0.00111	0.00111				0.00052	0.001815	0.00341			
SD	55		0.00%															
TX	4,777	31	0.65%	0.0005	0.0006	0.0007	0.0004	0.00072	0.0017	0.0005	0.00064	0.0013	0.0003	0.0007	0.0012	0.0004	0.0004	0.001
VT	667	2	0.30%				0.0006	0.0006	0.0006				0.0005	0.0005	0.0005			
All States	30,482	1,121	3.68%	0.0005	0.00085	0.00257	0.0001	0.00071	0.005	0.0004	0.00064	0.003	0.0003	0.0008	0.00341	0.0001	0.0024	0.021

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.13.b. Chlordane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,087		0.00%															
CA	8,964	1	0.01%							0.0004	0.0004	0.0004						
FL	4,667	2	0.04%				0.0006	0.0006	0.0006							0.0000953	0.0000953	0.0000953
IL	5,294		0.00%															
IN	2,822		0.00%															
KY	1,012		0.00%															
MI	0		0.00%															
MT	1,548		0.00%															
NE	290		0.00%															
NJ	598	2	0.33%	0.00057	0.00057	0.00057	0.00044	0.00044	0.00044									
NM	4,265		0.00%															
OR	591		0.00%															
SC	9,053	31	0.34%	0.00051	0.001255	0.00469				0.00075	0.00075	0.00075	0.00058	0.00058	0.00058			
SD	764		0.00%															
TX	3,615		0.00%															
VT	966		0.00%															
All States	47,536	36	0.08%	0.00051	0.00125	0.00469	0.00044	0.00052	0.0006	0.0004	0.00075	0.00075	0.00058	0.00058	0.00058	0.0000953	0.0000953	0.0000953
<b>Surface Water</b>																		
AL	800		0.00%															
CA	3,278		0.00%															
FL	76		0.00%															
IL	2,144		0.00%															
IN	549		0.00%															
KY	952	2	0.21%										0.0001	0.0001	0.0001			
MI	0		0.00%															
MT	209		0.00%															
NE	12		0.00%															
NJ	71		0.00%															
NM	250		0.00%															
OR	424		0.00%															
SC	1,088		0.00%															
SD	156		0.00%															
TX	1,887		0.00%															
VT	257		0.00%															
All States	12,153	2	0.02%										0.0001	0.0001	0.0001			

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.14.b. Chromium - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	1,522	29	1.91%	0.005	0.0275	0.55	0.001	0.005	0.011	0.001	0.0025	0.035	0.001	0.0035	0.17	0.001	0.001	0.001
CA	18,855	26	0.14%	0.12	0.12	0.12	0.07	0.11	0.219	0.057	0.0735	0.14	0.06	0.087	1.1	0.052	0.064	0.12
FL	5,108	1,143	22.38%	0.0002	0.002	0.227	0.0003	0.00185	0.072	0.0002	0.002	0.04	0.0003	0.0023	0.038	0.0001	0.0017	0.04
IL	252	3	1.19%	0.005	0.005	0.005	0.063	0.063	0.063	0.007	0.007	0.007						
IN	2,988	820	27.44%	0.00005	0.002	0.1	0.00005	0.0028	0.1	0.00005	0.004	0.1	0.00005	0.0033	0.1	0.0002	0.00145	0.011
KY	898	151	16.82%	0.001	0.003	1.1	0.001	0.003	0.023	0.001	0.003	0.085				0.003	0.003	0.003
MI	2,976	707	23.76%	0.0007	0.002	0.038	0.001	0.002	0.039	0.0001	0.002	0.008	0.002	0.003	0.006	0.001	0.002	0.005
MT	1,404	42	2.99%	0.001	0.0063	0.043	0.002	0.0033	0.02	0.03	0.03	0.03	0.006	0.006	0.006			
NE	154	97	62.99%	0.001	0.001	0.005	0.001	0.001	0.004	0.001	0.002	0.013	0.001	0.001	0.004	0.001	0.001	0.001
NJ	3,560	355	9.97%	0.00008	0.002	0.25	0.0007	0.003	0.04	0.00012	0.0012	0.03	0.0005	0.002	0.21	0.0008	0.003	0.08
NM	1,901	824	43.35%	0.00012	0.0027	0.029	0.00014	0.002	0.0408	0.00007	0.002	0.018	0.00012	0.0024	0.0554	0.000274	0.002	0.032
OR	1,756	248	14.12%	0.0003	0.002	0.04	0.0004	0.002	0.035	0.001	0.004	0.013	0.001	0.002	0.01			
SC	3,311	61	1.84%	0.003	0.005	0.15	0.003	0.0035	0.004	0.003	0.003	0.003	0.003	0.003	0.004			
SD	271	52	19.19%	0.00117	0.00463	0.02	0.00104	0.002275	0.0189									
TX	6,344	510	8.04%	0.004	0.01	0.064	0.002	0.01	0.08	0.0052	0.01	0.03	0.01	0.015	0.02	0.01	0.01	0.01
VT	1,084	13	1.20%	0.002	0.006	0.37												
All States	52,384	5,081	9.70%	0.00005	0.0021	1.1	0.00005	0.0032	0.219	0.00005	0.0021	0.14	0.00005	0.0025	1.1	0.0001	0.0018	0.12
<b>Surface Water</b>																		
AL	844	27	3.20%	0.001	0.001	0.001	0.002	0.002	0.002	0.005	0.0105	0.17	0.002	0.01	0.07	0.00015	0.002	0.035
CA	6,250	12	0.19%													0.051	0.09	0.89
FL	94	15	15.96%				0.0012	0.0031	0.005	0.004	0.005	0.006	0.0006	0.002	0.006	0.0008	0.0025	0.007
IL	69	1	1.45%				0.024	0.024	0.024									
IN	373	74	19.84%				0.0001	0.004	0.1	0.00075	0.0183	0.05	0.00005	0.00125	0.0075	0.0008	0.0009	0.0058
KY	1,147	246	21.45%	0.001	0.002	0.055	0.00016	0.002	0.02	0.0005	0.002	0.02	0.0007	0.002	0.05	0.001	0.0026	0.0035
MI	149	43	28.86%				0.001	0.001	0.003	0.001	0.0015	0.003	0.001	0.001	0.004	0.001	0.001	0.004
MT	265	4	1.51%	0.001	0.001	0.001				0.02	0.02	0.02						
NE	23	22	95.65%							0.001	0.0015	0.002	0.001	0.0015	0.002	0.001	0.001	0.003
NJ	450	51	11.33%				0.0011	0.0011	0.0011	0.0008	0.004	0.01	0.0007	0.00155	0.01	0.00005	0.0024	0.01
NM	153	59	38.56%	0.0007	0.0047	0.12	0.0008	0.0017	0.0068	0.00012	0.0014	0.0072	0.001	0.00275	0.005	0.001	0.005	0.02
OR	930	41	4.41%	0.001	0.002	0.035	0.0003	0.005	0.032	0.001	0.004	0.007	0.001	0.001	0.004			
SC	434		0.00%															
SD	14	2	14.29%													0.0021	0.00605	0.01
TX	1,467	40	2.73%	0.0063	0.01	0.02	0.004	0.01	0.03	0.0048	0.0074	0.01	0.0045	0.00525	0.011	0.0043	0.01	0.01
VT	391	4	1.02%	0.05	0.05	0.05	0.001	0.001	0.001	0.018	0.018	0.018	0.11	0.11	0.11			
All States	13,053	641	4.91%	0.0007	0.003	0.12	0.0001	0.002	0.1	0.00012	0.002	0.17	0.00005	0.002	0.11	0.00005	0.002	0.89

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.15.b. Cyanide - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	685	11	1.61%				0.0119	0.01555	0.0362	0.006	0.008	0.01	0.005	0.053	0.1	0.008	0.008	0.008
CA	4,896	3	0.06%							0.56	0.56	0.56	0.065	0.065	0.065	0.35	0.35	0.35
FL	5,101	375	7.35%	0.0004	0.0112	6.01	0.001	0.012	0.314	0.002	0.0225	0.195	0.005	0.025	5.735	0.001	0.02	0.701
IL	161	2	1.24%				0.02	0.025	0.03									
IN	2,350	1,483	63.11%	0.00001	0.01	0.15	0.00001	0.01	0.16	0.005	0.01	0.2	0.00001	0.01	0.2	0.005	0.02	0.03
KY	801	25	3.12%	0.002	0.02	0.056	0.003	0.017	0.064	0.02	0.02	0.02						
MI	0		0.00%															
MT	356	2	0.56%	0.013	0.0735	0.134												
NE	982	4	0.41%	0.02	0.02	0.02	0.02	0.02	0.02									
NJ	2,723	46	1.69%	0.002	0.01	0.25	0.003	0.013	0.06	0.02	0.02	0.38	0.003	0.01	0.1			
NM	1,775	16	0.90%	0.1	0.34	32.7	0.1	0.145	0.19				0.13	0.13	0.13			
OR	609	12	1.97%	0.003	0.0045	0.017	0.003	0.004	0.005									
SC	897	16	1.78%	0.01	0.01	0.02	0.01	0.01	0.01									
SD	0		0.00%															
TX	0		0.00%															
VT	1,094	14	1.28%	0.01	0.02	0.2	0.01	0.01	0.01									
All States	22,430	2,009	8.96%	0.00001	0.01	32.7	0.00001	0.01	0.314	0.002	0.01	0.56	0.00001	0.01	5.735	0.001	0.02	0.701
<b>Surface Water</b>																		
AL	491	10	2.04%	0.005	0.008	0.029	0.005	0.006	0.007				0.002	0.005	0.08	0.025	0.025	0.025
CA	2,216		0.00%															
FL	90	3	3.33%										0.011	0.07	0.071			
IL	70	1	1.43%										0.005	0.005	0.005			
IN	124	97	78.23%	0.005	0.005	0.02	0.005	0.01	0.05	0.005	0.005	0.021	0.00001	0.01	0.06	0.004	0.02	0.06
KY	942	21	2.23%	0.02	0.02	0.02	0.001	0.035	0.06	0.002	0.018	0.04	0.02	0.02	0.03	0.001	0.002	0.002
MI	0		0.00%															
MT	115	4	3.48%				0.001	0.005	0.2	0.002	0.002	0.002						
NE	59		0.00%															
NJ	194	12	6.19%							0.002	0.005	0.024	0.003	0.006	0.008	0.02	0.07	0.12
NM	57	1	1.75%				0.15	0.15	0.15									
OR	529	7	1.32%	0.002	0.003	0.03	0.001	0.002	0.003				0.003	0.003	0.003	0.02	0.02	0.02
SC	5		0.00%															
SD	0		0.00%															
TX	0		0.00%															
VT	326	2	0.61%				0.01	0.01	0.01									
All States	5,218	158	3.03%	0.002	0.006	0.03	0.001	0.01	0.2	0.002	0.0075	0.04	0.00001	0.01	0.08	0.001	0.02	0.12

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.



**Table B.16.b. 2,4-D - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,154	18	0.57%	0.000083	0.0003415	0.0006	0.000176	0.0003	0.000823	0.0001788	0.001	0.005						
CA	9,885	11	0.11%	0.002	0.0088	0.046	0.0004	0.0004	0.0013	0.00093	0.00093	0.00093	0.002	0.00295	0.0039			
FL	4,634	4	0.09%	0.000005	0.000005	0.000005				0.00112	0.02806	0.055				0.0009	0.0009	0.0009
IL	4,745	42	0.89%	0.00011	0.00023	0.016	0.00011	0.000305	0.0014	0.00014	0.00042	0.0012	0.00011	0.00015	0.00083	0.00012	0.00012	0.00012
IN	2,918	3	0.10%				0.001	0.001	0.001	0.001	0.001	0.001						
KY	1,498	9	0.60%	0.0001	0.00013	0.00022	0.00009	0.00009	0.00011									
MI	2,800		0.00%															
MT	1,648	1	0.06%	0.00041	0.00041	0.00041												
NE	632		0.00%															
NJ	54		0.00%															
NM	4,060		0.00%															
OR	629	2	0.32%	0.007	0.0075	0.008												
SC	4,962	1	0.02%	0.0002	0.0002	0.0002												
SD	867		0.00%															
TX	3,469		0.00%															
VT	1,007	2	0.20%	0.000055	0.0001325	0.00021												
All States	46,962	93	0.20%	0.000005	0.00021	0.046	0.00009	0.00034	0.0014	0.00014	0.00093	0.055	0.00011	0.000495	0.0039	0.00012	0.00051	0.0009
<b>Surface Water</b>																		
AL	969	16	1.65%	0.0004	0.0004	0.0004	0.0002	0.0008	0.0014	0.000646	0.000773	0.0009	0.0001	0.0008	0.0018	0.0002	0.0007	0.0014
CA	3,604	6	0.17%	0.00032	0.00032	0.00032				0.001	0.001	0.001	0.001	0.001	0.001	0.01	0.02	0.1
FL	78		0.00%															
IL	1,474	72	4.88%	0.00037	0.00055	0.00073	0.000119	0.0004	0.0017	0.00011	0.000325	0.00083	0.000119	0.00026	0.002	0.0001	0.0002	0.0005
IN	516	8	1.55%							0.00024	0.0021	0.00265	0.0003	0.0004	0.0005	0.000242	0.00038	0.00394
KY	1,674	24	1.43%	0.00013	0.00023	0.005	0.00006	0.000085	0.0002	0.00008	0.00011	0.00113	0.00008	0.0001	0.00096	0.00011	0.00011	0.00011
MI	175		0.00%															
MT	228		0.00%															
NE	34		0.00%															
NJ	14		0.00%															
NM	155		0.00%															
OR	608	2	0.33%				0.0006	0.0293	0.058									
SC	655	1	0.15%				0.00011	0.00011	0.00011									
SD	183		0.00%															
TX	2,263	2	0.09%	0.0343	0.0343	0.0343										0.008	0.008	0.008
VT	360	1	0.28%	0.00021	0.00021	0.00021												
All States	12,990	132	1.02%	0.00013	0.00037	0.0343	0.00006	0.00035	0.058	0.00008	0.0003	0.00265	0.00008	0.00037	0.002	0.0001	0.00028	0.1

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.17.b. Dalapon - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,111	10	0.32%	0.0004	0.0004	0.0004	0.002	0.00405	0.025	0.006995	0.006995	0.006995	0.00037	0.000685	0.001			
CA	3,996	8	0.20%	0.002	0.002	0.002	0.001	0.003	0.004				0.002	0.008	0.017			
FL	4,680	73	1.56%	0.00001	0.002	0.0388	0.0000016	0.0019	0.011	0.00045	0.00215	0.0052	0.0002	0.00175	0.00338	0.00142	0.00173	0.0094
IL	4,745	9	0.19%	0.0011	0.0015	0.0019	0.0011	0.0016	0.00243				0.001	0.001	0.001	0.002	0.002	0.002
IN	2,828	1	0.04%				0.001	0.001	0.001									
KY	1,020		0.00%															
MI	36		0.00%															
MT	446		0.00%															
NE	632	2	0.32%							0.00209	0.00222	0.00235						
NJ	0		0.00%															
NM	3,674	1	0.03%							0.02	0.02	0.02						
OR	583		0.00%															
SC	5,111		0.00%															
SD	867		0.00%															
TX	3,469		0.00%															
VT	72		0.00%															
All States	35,270	104	0.29%	0.00001	0.0019	0.0388	0.0000016	0.0022	0.025	0.00045	0.002375	0.02	0.0002	0.00175	0.017	0.00142	0.001865	0.0094
<b>Surface Water</b>																		
AL	889	37	4.16%	0.011	0.03	0.049	0.018	0.03	0.068	0.001	0.009	0.0153	0.001	0.02	0.064	0.001	0.013	0.045
CA	1,534	4	0.26%	0.001	0.001	0.001							0.019	0.019	0.019	0.001	0.001	0.001
FL	81	4	4.94%				0.004	0.004	0.0073				0.0016	0.0016	0.0016			
IL	1,416	34	2.40%	0.0016	0.001685	0.00177	0.0013	0.0021	0.025	0.0011	0.0025	0.00537	0.0025	0.0025	0.0025	0.00441	0.00441	0.00441
IN	513	5	0.97%	0.0012	0.00125	0.0013							0.0012	0.00124	0.0018			
KY	948	1	0.11%				0.0011	0.0011	0.0011									
MI	22		0.00%															
MT	66	1	1.52%							0.0153	0.0153	0.0153						
NE	34		0.00%															
NJ	0		0.00%															
NM	132		0.00%															
OR	427		0.00%															
SC	646		0.00%															
SD	183		0.00%															
TX	2,263		0.00%															
VT	16		0.00%															
All States	9,170	86	0.94%	0.001	0.0016	0.049	0.0011	0.00296	0.068	0.001	0.00367	0.0153	0.001	0.013	0.064	0.001	0.003705	0.045

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.18.b. 1,2-Dibromo-3-chloropropane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,079	13	0.42%	0.00008	0.00008	0.00008	0.00002	0.00003	0.00003	0.000024	0.000043	0.000139	0.00001	0.00001	0.00001			
CA	26,193	4,951	18.90%	0.00011	0.00032	0.0062	0.00011	0.0004	0.00616	0.00011	0.00024	0.00411	0.000105	0.00031	0.074	0.00011	0.00028	0.034
FL	4,623	6	0.13%				0.000011	0.000011	0.000011				0.000076	0.000076	0.000076	0.00005	0.00006	0.000091
IL	5,690	2	0.04%	0.00002	0.00002	0.00002	0.00007	0.00007	0.00007									
IN	2,741	14	0.51%	0.000082	0.001391	0.0027	0.00019	0.00028	0.00037	0.000027	0.00009	0.00015	0.00005	0.000052	0.00011	0.00004	0.00004	0.00004
KY	1,870		0.00%															
MI	1,678		0.00%															
MT	1,435		0.00%															
NE	5,962		0.00%															
NJ	9,114	7	0.08%	0.00002	0.00026	0.0005	0.0005	0.0005	0.001									
NM	5,126	9	0.18%	0.000013	0.00006	0.0001	0.0001	0.0001	0.0001	0.00003	0.00003	0.00003	0.00008	0.000085	0.00009			
OR	591		0.00%															
SC	9,691	37	0.38%	0.00004	0.00013	0.056	0.00004	0.00052	0.00093	0.00052	0.00055	0.00055	0.00006	0.00007	0.00009	0.00009	0.00009	0.00009
SD	1,411		0.00%															
TX	0		0.00%															
VT	328	8	2.44%	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005									
All States	79,532	5,047	6.35%	0.000013	0.0003	0.056	0.000011	0.0004	0.00616	0.000024	0.00023	0.00411	0.00001	0.00031	0.074	0.00004	0.00028	0.034
<b>Surface Water</b>																		
AL	830	15	1.81%	0.000034	0.000034	0.000034				0.00002	0.000026	0.000061	0.00002	0.00003	0.00005			
CA	10,700	2,187	20.44%							0.00011	0.00013	0.00019	0.00011	0.00014	0.0016	0.000101	0.00034	0.0152
FL	77		0.00%															
IL	1,389	9	0.65%	0.00003	0.00003	0.00003	0.00002	0.000025	0.00007	0.00002	0.00002	0.00002	0.00002	0.000025	0.00003	0.00004	0.00004	0.00004
IN	516	4	0.78%	0.000078	0.000078	0.000078				0.000034	0.00004	0.000078						
KY	1,586	3	0.19%	0.0001	0.0001	0.0001							0.00001	0.000015	0.00002			
MI	320		0.00%															
MT	219	1	0.46%							0.000269	0.000269	0.000269						
NE	217		0.00%															
NJ	560	4	0.71%													0.0000001	0.0005	0.0005
NM	321	5	1.56%	0.000013	0.0000265	0.00004							0.00014	0.00014	0.00014	0.00045	0.00045	0.00045
OR	436		0.00%															
SC	1,514	18	1.19%	0.00061	0.00061	0.00061							0.00013	0.00031	0.229			
SD	258		0.00%															
TX	0		0.00%															
VT	75		0.00%															
All States	19,018	2,246	11.81%	0.000013	0.00004	0.00061	0.00002	0.000025	0.00007	0.00002	0.000078	0.000269	0.00001	0.00014	0.229	0.0000001	0.00034	0.0152

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.19.b. 1,4-Dichlorobenzene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,117	2	0.04%				0.001	0.00105	0.0011									
CA	0		0.00%															
FL	18,535	81	0.44%	0.00001	0.001	0.0046	0.0006	0.002035	0.00264	0.0012	0.0012	0.0012	0.00051	0.0012	0.0097	0.00016	0.0007	0.0068
IL	23,484	113	0.48%	0.0005	0.0024	0.042	0.0005	0.0006	0.0086	0.0002	0.0005	0.0007	0.00032	0.0009	0.0016	0.00003	0.0015	0.0049
IN	3,801	37	0.97%	0.0005	0.0013	0.0081	0.0005	0.0005	0.0005							0.00063	0.00063	0.00063
KY	1,580	16	1.01%	0.00057	0.00108	0.01	0.00067	0.00067	0.00067	0.00059	0.0008	0.00093						
MI	1,973	9	0.46%	0.0004	0.0009	0.0014	0.0004	0.0005	0.0006									
MT	0		0.00%															
NE	3,855	4	0.10%	0.0004	0.00055	0.0017												
NJ	10,127	102	1.01%	0.00019	0.0008	0.0072	0.000032	0.00054	0.00135	0.000656	0.0008875	0.001	0.0001	0.00054	0.0026	0.00054	0.00054	0.00054
NM	5,504	4	0.07%	0.00014	0.00048	0.0032												
OR	1,920	6	0.31%	0.0006	0.0013	0.0026	0.0001	0.00015	0.0002									
SC	8,313	9	0.11%	0.00059	0.0006	0.00061	0.0005	0.00238	0.00728	0.0005	0.0005	0.0005						
SD	495		0.00%															
TX	19,146	92	0.48%	0.0005	0.0009	0.004	0.0005	0.00065	0.0022	0.0005	0.0007	0.0015	0.0006	0.0011	0.006			
VT	2,929	19	0.65%	0.0005	0.0011	0.0067												
All States	106,779	494	0.46%	0.00001	0.001	0.042	0.000032	0.000615	0.0086	0.0002	0.0006	0.0015	0.0001	0.0007	0.0097	0.00003	0.0007	0.0068
<b>Surface Water</b>																		
AL	2,297	6	0.26%				0.0016	0.0016	0.0016	0.0006	0.000735	0.00087	0.00053	0.0007	0.00124			
CA	0		0.00%															
FL	136		0.00%															
IL	2,799	28	1.00%				0.0005	0.0021	0.0046	0.0005	0.0005	0.0009	0.0005	0.0005	0.0005	0.0005	0.0005	0.0008
IN	526		0.00%															
KY	1,706	6	0.35%	0.00125	0.00125	0.00125	0.00053	0.00112	0.002	0.0005	0.0005	0.0005						
MI	438	5	1.14%										0.0006	0.001	0.0015	0.0017	0.0017	0.0017
MT	0		0.00%															
NE	95	1	1.05%				0.0003	0.0003	0.0003									
NJ	667		0.00%															
NM	345	1	0.29%										0.0016	0.0016	0.0016			
OR	924	1	0.11%				0.0013	0.0013	0.0013									
SC	1,020		0.00%															
SD	55		0.00%															
TX	4,776	25	0.52%	0.0005	0.0006	0.001	0.0005	0.0009	0.0018	0.0007	0.0007	0.0011	0.0006	0.0008	0.001	0.0006	0.0015	0.0021
VT	666	2	0.30%										0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
All States	16,450	75	0.46%	0.0005	0.0006	0.00125	0.0003	0.0013	0.0046	0.0005	0.0006	0.0011	0.0005	0.00065	0.0016	0.0005	0.0008	0.0021

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.20.b. o-Dichlorobenzene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,117	1	0.02%				0.0005	0.0005	0.0005									
CA	0		0.00%															
FL	18,450	39	0.21%	0.00005	0.0007225	0.0034	0.000688	0.000894	0.0011				0.00026	0.0014	0.004	0.000624	0.00338	0.0064
IL	23,440	57	0.24%	0.0005	0.031	0.18	0.0005	0.00125	0.0074	0.0005	0.0005	0.0005	0.000328	0.000414	0.0005	0.00014	0.00117	0.0022
IN	3,764	8	0.21%	0.0009	0.0035	0.0094	0.0011	0.0011	0.0011									
KY	1,148		0.00%															
MI	4,155	3	0.07%	0.0015	0.0017	0.0019	0.0013	0.0013	0.0013									
MT	3,334	9	0.27%	0.00057	0.00057	0.0015	0.00053	0.00068	0.001									
NE	4,767		0.00%															
NJ	10,150	86	0.85%	0.0003	0.00065	0.00904	0.0002	0.00065	0.0025	0.00065	0.00065	0.00065	0.00019	0.00065	0.0008	0.0006	0.00065	0.00065
NM	5,248	1	0.02%										0.0006	0.0006	0.0006			
OR	647		0.00%															
SC	8,330	1	0.01%				0.0005	0.0005	0.0005									
SD	683		0.00%															
TX	23,193	3	0.01%				0.002	0.00265	0.0033	0.0013	0.0013	0.0013						
VT	3,678	13	0.35%	0.0005	0.0011	0.0024												
All States	116,104	221	0.19%	0.00005	0.000885	0.18	0.0002	0.001	0.0074	0.0005	0.0005	0.0013	0.00019	0.00065	0.004	0.00014	0.00141	0.0064
<b>Surface Water</b>																		
AL	2,295	1	0.04%										0.00486	0.00486	0.00486			
CA	0		0.00%															
FL	135		0.00%															
IL	2,793	16	0.57%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.001
IN	526		0.00%															
KY	1,152		0.00%															
MI	506		0.00%															
MT	391		0.00%															
NE	154		0.00%															
NJ	694	1	0.14%				0.0004	0.0004	0.0004									
NM	209	1	0.48%							0.0013	0.0013	0.0013						
OR	447		0.00%															
SC	1,091		0.00%															
SD	70		0.00%															
TX	6,183		0.00%															
VT	762	1	0.13%										0.0005	0.0005	0.0005			
All States	17,408	20	0.11%	0		0	0.0004	0.00045	0.0005	0.0005	0.0005	0.0013	0.0005	0.0005	0.00486	0.0005	0.0005	0.001

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.21.b. 1,2-Dichloroethane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,128	37	0.72%				0.0005	0.000975	0.0069	0.000519	0.0011	0.00415	0.0005	0.00072	0.0013			
CA	39,785	496	1.25%	0.0006	0.000945	0.0049	0.00052	0.00068	0.006	0.00051	0.0018	0.018	0.00051	0.0025	0.0125	0.00051	0.00076	0.007
FL	18,615	37	0.20%	0.00003	0.0006	0.0029				0.00051	0.002	0.0034	0.00027	0.001	0.001	0.0000553	0.00017	0.0076
IL	23,714	78	0.33%	0.0005	0.0006	0.0029	0.0005	0.0007	0.0019	0.0005	0.0007	0.0034	0.000244	0.00078	0.011	0.00017	0.00145	0.003
IN	3,783	27	0.71%	0.00055	0.00096	0.0067	0.00077	0.00086	0.001	0.00056	0.00071	0.0012	0.00058	0.00084	0.0022			
KY	1,571	10	0.64%	0.0002	0.00052	0.001				0.0003	0.00035	0.0004	0.0003	0.0003	0.0003	0.0005	0.0009	0.0013
MI	1,972	6	0.30%							0.0005	0.00055	0.0027						
MT	3,328	2	0.06%	0.00099	0.00099	0.00099	0.00068	0.00068	0.00068									
NE	3,857	91	2.36%	0.0002	0.0016	0.0242	0.0002	0.0004	0.0251	0.0002	0.0002	0.0075	0.0002	0.0005	0.0042			
NJ	10,780	122	1.13%	0.00013	0.00173	0.017	0.000017	0.000785	0.0034	0.0003	0.0007	0.00121	0.0005	0.0018	0.012			
NM	5,521	29	0.53%	0.0063	0.00715	0.008	0.0003	0.00055	0.0023				0.0002	0.0007	0.005			
OR	1,916	4	0.21%	0.0006	0.0045	0.009												
SC	8,319	68	0.82%	0.0005	0.00095	0.00307	0.00036	0.00059	0.00167	0.00058	0.00234	0.00345						
SD	495	3	0.61%				0.00178	0.00296	0.004648									
TX	19,146	20	0.10%	0.0059	0.0059	0.0059	0.00037	0.0012	0.0022									
VT	2,935	7	0.24%	0.0004	0.00065	0.0008	0.0003	0.0004	0.0009									
All States	150,865	1,037	0.69%	0.00003	0.001	0.0242	0.000017	0.00072	0.0251	0.0002	0.00105	0.018	0.0002	0.0021	0.0125	0.0000553	0.0007	0.0076
<b>Surface Water</b>																		
AL	2,297	5	0.22%							0.0007	0.0009	0.0021	0.0018	0.0034	0.005			
CA	12,791	380	2.97%										0.00051	0.0009	0.0084	0.00051	0.00137	0.0092
FL	136	1	0.74%				0.001	0.001	0.001									
IL	2,832	20	0.71%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0015	0.0005	0.0006	0.0024	0.0005	0.0005	0.0005
IN	530	4	0.75%	0.001	0.0011	0.0012				0.0009	0.0009	0.0009	0.00058	0.00058	0.00058			
KY	1,705	7	0.41%				0.0005	0.0005	0.0005				0.0002	0.0003	0.0004			
MI	437		0.00%															
MT	390	1	0.26%				0.022	0.022	0.022									
NE	95		0.00%															
NJ	763		0.00%															
NM	344	4	1.16%													0.0007	0.0009	0.003
OR	924		0.00%															
SC	1,001	2	0.20%	0.00059	0.00059	0.00059							0.00099	0.00099	0.00099			
SD	55		0.00%															
TX	4,777	2	0.04%										0.0005	0.00065	0.0008			
VT	668	3	0.45%				0.0006	0.0006	0.0006				0.0003	0.0004	0.0005			
All States	29,745	429	1.44%	0.00059	0.001	0.0012	0.0005	0.0006	0.022	0.0005	0.0007	0.0021	0.0002	0.0008	0.0084	0.0005	0.0013	0.0092

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.22.b. 1,1-Dichloroethylene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,135	48	0.93%				0.0005	0.004	0.0164	0.0008	0.0032	0.0076	0.0007	0.0064	0.0082	0.0006	0.0006	0.0006
CA	40,131	1,224	3.05%	0.00097	0.0052	0.0422	0.00068	0.0046	0.0238	0.00051	0.0021	0.011	0.00053	0.0028	0.1525	0.00055	0.0019	0.019099
FL	15,773	102	0.65%	0.00007	0.0033	0.006				0.000243	0.0008	0.001	0.001	0.0027	0.0068	0.00015	0.002205	0.0108
IL	23,768	121	0.51%	0.0005	0.0034	0.011	0.0005	0.00065	0.0018	0.0005	0.0005	0.001	0.000197	0.0009	0.011	0.0005	0.0019	0.0077
IN	3,736	14	0.37%	0.0005	0.0006	0.0038	0.0006	0.0006	0.0006	0.00086	0.00086	0.00086	0.0006	0.00077	0.0026	0.0008	0.0008	0.0008
KY	1,550	2	0.13%	0.001	0.001	0.001												
MI	1,968	1	0.05%							0.0014	0.0014	0.0014						
MT	3,334	3	0.09%	0.00086	0.0016	0.0023												
NE	3,399	30	0.88%	0.0002	0.0049	0.016	0.0004	0.0006	0.0031	0.0011	0.0024	0.003	0.0002	0.00055	0.0098			
NJ	10,816	245	2.27%	0.00015	0.0011555	0.07	0.0002	0.000545	0.011	0.00034	0.0006	0.00701	0.00016	0.0009	0.0077	0.00051	0.000865	0.00117
NM	5,504	8	0.15%				0.0002	0.0002	0.0002	0.0004	0.001025	0.00165	0.0002	0.00069	0.0012	0.00022	0.00022	0.00022
OR	1,919	15	0.78%	0.0008	0.0034	0.0352												
SC	8,289	106	1.28%	0.00058	0.0018	0.824	0.0005	0.00192	0.0073	0.00054	0.001485	0.00601	0.00235	0.00235	0.00235	0.00307	0.003635	0.0042
SD	291		0.00%															
TX	9,922	29	0.29%	0.0005	0.0023	0.0054	0.0011	0.0081	0.014									
VT	2,226	6	0.27%	0.0005	0.003	0.00582	0.032	0.0505	0.069									
All States	137,761	1,954	1.42%	0.00007	#REF!	0.824	0.0002	#REF!	0.069	0.000243	#REF!	0.011	0.00016	#REF!	0.1525	0.00015	#REF!	0.019099
<b>Surface Water</b>																		
AL	2,296	7	0.30%							0.0007	0.0007	0.0007	0.0006	0.0006	0.0006	0.0005	0.0015	0.0019
CA	15,557	2,327	14.96%				0.0014	0.0014	0.0014	0.0006	0.0009	0.002	0.0006	0.0021	0.0107	0.00051	0.0014	0.184
FL	136		0.00%															
IL	2,830	16	0.57%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0015	0.0005	0.0005	0.0005
IN	526		0.00%															
KY	2,000	5	0.25%				0.0005	0.0005	0.0005				0.0011	0.00125	0.0018			
MI	437		0.00%															
MT	391		0.00%															
NE	92		0.00%															
NJ	763	3	0.39%													0.0005	0.0008	0.0009
NM	345	2	0.58%				0.0009	0.0009	0.0009									
OR	922		0.00%															
SC	1,019	9	0.88%							0.00058	0.00062	0.0024	0.00155	0.00344	0.0158			
SD	54		0.00%															
TX	4,710		0.00%															
VT	572	1	0.17%										0.0005	0.0005	0.0005			
All States	32,650	2,370	7.26%				0.0005	#REF!	0.0014	0.0005	#REF!	0.0024	0.0005	#REF!	0.0158	0.0005	#REF!	0.184

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.23.b. cis-1,2-Dichloroethylene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,116	7	0.14%				0.0009	0.0009	0.0009	0.0006	0.00065	0.0008						
CA	34,585	1,855	5.36%				0.0006	0.0027	0.0052	0.00054	0.0013	0.0092	0.00051	0.00134	0.09	0.00052	0.00135	0.064
FL	18,841	650	3.45%	0.00001	0.0013	0.26	0.000666	0.00071	0.00093	0.00027	0.00078	0.00264	0.00015	0.0017	0.14	0.00006	0.002195	0.114
IL	23,582	365	1.55%	0.0005	0.0011	0.019	0.0005	0.0055	0.023	0.0002	0.001	0.0093	0.0005	0.002	0.013	0.00015	0.0015	0.028
IN	3,891	135	3.47%	0.00058	0.00155	0.027	0.0005	0.00165	0.025	0.0007	0.00095	0.0034	0.0005	0.00135	0.03	0.0005	0.00081	0.0065
KY	1,148	5	0.44%	0.0016	0.002	0.0021												
MI	4,256	141	3.31%	0.0005	0.0006	0.0009	0.0004	0.0005	0.0013	0.0004	0.0013	0.0388	0.0004	0.0009	0.005	0.0008	0.0018	0.0019
MT	3,320	5	0.15%	0.0047	0.005	0.007												
NE	4,767	110	2.31%	0.0002	0.0012	0.0306	0.00029	0.0006	0.0027	0.0002	0.0008	0.0039	0.0002	0.0008	0.008			
NJ	10,960	434	3.96%	0.00024	0.0014	0.015	0.000035	0.00431	0.0948	0.00018	0.0016	0.0226	0.00018	0.0018	0.043	0.00021	0.00068	0.0079
NM	5,251	5	0.10%				0.0006	0.00105	0.0025							0.00002	0.00002	0.00002
OR	655	9	1.37%	0.0005	0.0013	0.0049												
SC	8,319	69	0.83%	0.0005	0.00068	0.00341	0.0005	0.00063	0.00341	0.00051	0.0009	0.00228	0.00053	0.00053	0.00097	0.00068	0.001005	0.00133
SD	683		0.00%															
TX	23,193	4	0.02%	0.0029	0.0047	0.0148												
VT	3,652	145	3.97%	0.0005	0.0008	0.0013	0.0005	0.0031	2.6									
All States	152,219	3,939	2.59%	0.00001	0.0013	0.26	0.000035	0.0026	2.6	0.00018	0.0011	0.0388	0.00015	0.0014	0.14	0.00002	0.00158	0.114
<b>Surface Water</b>																		
AL	2,301	30	1.30%													0.0005	0.001	0.0043
CA	11,058	687	6.21%										0.00051	0.0013	0.0047	0.00051	0.0016	0.0119
FL	136		0.00%															
IL	2,808	26	0.93%				0.0005	0.00065	0.0008	0.0005	0.0005	0.0032	0.0005	0.0005	0.0005	0.0005	0.0012	0.0043
IN	528	2	0.38%													0.00055	0.000575	0.0006
KY	1,177		0.00%															
MI	536	59	11.01%										0.0004	0.0009	0.003			
MT	385		0.00%															
NE	154		0.00%															
NJ	786	7	0.89%										0.0006	0.0006	0.0006	0.0005	0.0012	0.0018
NM	209		0.00%															
OR	446	1	0.22%													0.0002	0.0002	0.0002
SC	1,091	2	0.18%				0.0121	0.0121	0.0121							0.0198	0.0198	0.0198
SD	70		0.00%															
TX	6,183	2	0.03%	0.00498	0.00498	0.00498	0.00498	0.00498	0.00498									
VT	752	1	0.13%										0.0005	0.0005	0.0005			
All States	28,620	817	2.85%	0.00498	0.00498	0.00498	0.0005	0.00289	0.0121	0.0005	0.0005	0.0032	0.0004	0.0011	0.0047	0.0002	0.0016	0.0198

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.



**Table B.24.b. trans-1,2-Dichloroethylene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	0		0.00%															
CA	38,711	61	0.16%	0.00169	0.00201	0.00233				0.00077	0.0016	0.0083	0.00053	0.000895	0.047	0.0006	0.0019	0.017
FL	18,555	146	0.79%	0.00006	0.0009	0.00139	0.0006	0.0012	0.005	0.0001	0.001	0.001	0.00016	0.00061	0.0016	0.000265	0.0014	0.0033
IL	23,603	54	0.23%	0.0005	0.0005	0.0013	0.0005	0.001	0.061	0.0005	0.0005	0.0006	0.000162	0.0021	0.033	0.00017	0.00017	0.00017
IN	3,761	6	0.16%										0.0006	0.001	0.015	0.00372	0.00372	0.00372
KY	1,146		0.00%															
MI	4,161	2	0.05%							0.0004	0.00205	0.0037						
MT	3,332		0.00%															
NE	4,766	46	0.97%	0.0002	0.0057	0.0532							0.0002	0.000645	0.007			
NJ	10,748	21	0.20%	0.000172	0.0007	0.00077	0.00046	0.000561	0.00118	0.00051	0.00055	0.0007	0.0006	0.0007	0.0241			
NM	5,248	1	0.02%				0.0009	0.0009	0.0009									
OR	651	4	0.61%	0.002	0.00305	0.008												
SC	8,319	1	0.01%				0.0005	0.0005	0.0005									
SD	683		0.00%															
TX	23,193		0.00%															
VT	3,556	3	0.08%	0.0005	0.0006	0.0007												
All States	150,433	345	0.23%	0.00006	0.0008	0.0532	0.00046	0.00085	0.061	0.0001	0.00055	0.0083	0.00016	0.0009	0.047	0.00017	0.00149	0.017
<b>Surface Water</b>																		
AL	0		0.00%															
CA	11,899	7	0.06%													0.0007	0.0014	0.0029
FL	135		0.00%															
IL	2,806	15	0.53%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
IN	526		0.00%															
KY	1,157	1	0.09%				0.004	0.004	0.004									
MI	506		0.00%															
MT	391		0.00%															
NE	154		0.00%															
NJ	783		0.00%															
NM	209		0.00%															
OR	446		0.00%															
SC	1,091		0.00%															
SD	70		0.00%															
TX	6,183		0.00%															
VT	752	1	0.13%										0.0005	0.0005	0.0005			
All States	27,108	24	0.09%	0		0	0.0005	0.00225	0.004	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0007	0.0029

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.25.b. Dichloromethane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,130	230	4.48%	0.0005	0.00115	0.0046	0.0005	0.0015	0.00987	0.00052	0.00078	0.0039	0.0004	0.002	0.0173	0.001	0.003	0.004
CA	38,708	242	0.63%	0.00059	0.00095	0.0105	0.0006	0.001	0.12	0.00053	0.00093	0.005	0.00053	0.001	0.034	0.00051	0.00135	0.1
FL	18,606	200	1.07%	0.0000011	0.0012	0.0473	0.0000007	0.00157	0.017	0.00006	0.001145	0.0209	0.00044	0.00145	0.0091	0.00051	0.00253	0.0054
IL	23,627	1,329	5.62%	0.0005	0.0008	0.016	0.0005	0.0008	0.007	0.0001	0.00095	0.17	0.00035	0.001	0.013	0.00009	0.002	0.028
IN	3,963	203	5.12%	0.0005	0.0013	0.0135	0.00058	0.0012	0.013	0.0005	0.00089	0.01	0.0005	0.00094	0.008			
KY	1,149	20	1.74%	0.00052	0.001525	0.0025	0.00053	0.00231	0.00784	0.00182	0.002135	0.0033						
MI	1,971	15	0.76%	0.0007	0.0009	0.0045	0.0006	0.00105	0.0022	0.0006	0.00075	0.0009						
MT	0		0.00%															
NE	3,855	4	0.10%	0.0012	0.0019	0.0026	0.0013	0.0013	0.0013				0.003	0.003	0.003			
NJ	10,750	372	3.46%	0.00023	0.001	0.0786	0.00007	0.0008	0.0048	0.0004	0.00107	0.00793	0.00041	0.0009	0.014	0.00017	0.00114	0.0023
NM	4,830	16	0.33%	0.0006	0.0019	0.11	0.0008	0.008	0.27				0.0006	0.0009	0.0017	0.0002	0.0002	0.0002
OR	659	13	1.97%	0.0007	0.0012	5.4	0.0008	0.0009	0.0017									
SC	7,804	51	0.65%	0.0005	0.00121	0.0281	0.0005	0.00192	0.0184	0.0005	0.00172	0.00294	0.00087	0.00087	0.00087			
SD	495	2	0.40%	0.000726	0.000754	0.000782												
TX	19,146	145	0.76%	0.0005	0.0014	0.391	0.0005	0.00165	0.1	0.0005	0.00125	0.011	0.0006	0.0013	0.0089			
VT	2,820	17	0.60%	0.0005	0.000955	0.01	0.0024	0.0024	0.0024									
All States	143,513	2,859	1.99%	0.0000011	#REF!	5.4	0.0000007	#REF!	0.27	0.00006	#REF!	0.17	0.00035	#REF!	0.034	0.00009	#REF!	0.1
<b>Surface Water</b>																		
AL	2,327	189	8.12%	0.00053	0.0014	0.0016	0.00063	0.000845	0.0011	0.00052	0.0017	0.00797	0.000513	0.00145	0.00798	0.00051	0.0015	0.0042
CA	11,902	75	0.63%	0.0008	0.0022	0.0036	0.0009	0.0009	0.0009	0.0012	0.003365	0.00553	0.00055	0.0027	0.025	0.00055	0.000975	0.018
FL	135	1	0.74%				0.0067	0.0067	0.0067									
IL	2,844	244	8.58%	0.0005	0.0008	0.0015	0.0005	0.0012	0.0081	0.00035	0.0016	0.017	0.0005	0.0012	0.0071	0.0005	0.002	0.011
IN	546	20	3.66%	0.00068	0.0013	0.0015	0.00059	0.00078	0.0021	0.00055	0.00087	0.0024	0.0022	0.0022	0.0022	0.0009	0.0009	0.0009
KY	1,148	40	3.48%	0.00065	0.00065	0.00065	0.0006	0.002795	0.0031	0.00053	0.0012	0.00341	0.00072	0.001595	0.006			
MI	439	2	0.46%										0.0009	0.0009	0.0009	0.0012	0.0012	0.0012
MT	0		0.00%															
NE	95		0.00%															
NJ	737	15	2.04%	0.0005	0.002215	0.00393	0.0007	0.0007	0.0007				0.0002	0.000555	0.0014	0.00023	0.00079	0.0017
NM	309	4	1.29%	0.009	0.0095	0.01	0.0063	0.0067	0.0071									
OR	449	2	0.45%	0.0004	0.0004	0.0004	0.0011	0.0011	0.0011									
SC	946	10	1.06%				0.0006	0.00102	0.00811				0.0008	0.00098	0.00176			
SD	55		0.00%															
TX	4,777	44	0.92%	0.0005	0.0007	0.0221	0.0005	0.0011	0.0026	0.0006	0.00105	0.0018	0.0006	0.00085	0.0013	0.0006	0.0092	0.0178
VT	656	7	1.07%	0.0001	0.00155	0.0026							0.0005	0.0005	0.0005			
All States	27,365	653	2.39%	0.0001	#REF!	0.0221	0.0005	#REF!	0.00811	0.00035	#REF!	0.017	0.0002	#REF!	0.025	0.00023	#REF!	0.018

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.26.b. 1,2-Dichloropropane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,122	26	0.51%				0.0005	0.00125	0.0035				0.00054	0.00064	0.0018			
CA	36,571	130	0.36%	0.00055	0.00083	0.053	0.00059	0.00101	0.0028				0.00058	0.00145	0.01	0.0006	0.001	0.007
FL	18,465	50	0.27%	0.00001	0.001	0.002	0.0009	0.0009	0.0009	0.000223	0.000223	0.000223	0.00013	0.00205	0.004	0.000568	0.00211	0.039
IL	23,517	38	0.16%	0.0005	0.0005	0.065	0.0005	0.0005	0.01	0.0005	0.0005	0.0024	0.000182	0.00055	0.001	0.00007	0.00007	0.00007
IN	3,758	3	0.08%	0.0006	0.0008	0.0038												
KY	1,138		0.00%															
MI	1,967		0.00%															
MT	3,333		0.00%															
NE	4,769	11	0.23%	0.0025	0.0025	0.0025	0.0002	0.00062	0.00243									
NJ	10,074	28	0.28%	0.00019	0.000818	0.0083	0.0005	0.0012	0.0016	0.0003	0.00075	0.0024	0.00045	0.0009	0.00136			
NM	5,501		0.00%															
OR	648	2	0.31%				0.0023	0.35115	0.7									
SC	8,348	12	0.14%	0.00089	0.003255	0.00516	0.0005	0.00089	0.00089									
SD	720		0.00%															
TX	23,780	10	0.04%	0.0005	0.0006	0.0028				0.0005	0.0013	0.0019						
VT	3,966	2	0.05%	0.0005	0.00075	0.001												
All States	151,677	312	0.21%	0.00001	0.00083	0.065	0.0002	0.00089	0.7	0.000223	0.0005	0.0024	0.00013	0.0012	0.01	0.00007	0.001	0.039
<b>Surface Water</b>																		
AL	2,295	3	0.13%										0.0033	0.0033	0.0033	0.0008	0.0012	0.0016
CA	11,660	46	0.39%										0.00052	0.00066	0.00076	0.0007	0.0028	0.0067
FL	135		0.00%															
IL	2,798	16	0.57%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0025	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
IN	526		0.00%															
KY	1,146		0.00%															
MI	437		0.00%															
MT	391	1	0.26%				0.00098	0.00098	0.00098									
NE	155		0.00%															
NJ	668	6	0.90%							0.0005	0.0005	0.0005				0.0006	0.0009	0.0018
NM	344		0.00%															
OR	448	1	0.22%										0.003	0.003	0.003			
SC	1,084	2	0.18%				0.0083	0.0083	0.0083									
SD	75		0.00%															
TX	6,251		0.00%															
VT	812	1	0.12%										0.0005	0.0005	0.0005			
All States	29,225	76	0.26%				0.0005	0.00464	0.0083	0.0005	0.0005	0.0025	0.0005	0.000605	0.0033	0.0005	0.00215	0.0067

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.27.b. Dinoseb - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,096	5	0.16%				0.0002	0.00025	0.0004				0.0003	0.0003	0.0003			
CA	4,538	5	0.11%	0.001	0.001	0.001	0.00018	0.00018	0.00018				0.1	0.1	0.1			
FL	4,613	2	0.04%	0.000002	0.000002	0.000002							0.00131	0.00131	0.00131			
IL	4,755	8	0.17%	0.00076	0.000775	0.00079				0.000139	0.000277	0.001						
IN	2,832	1	0.04%										0.00068	0.00068	0.00068			
KY	1,018		0.00%															
MI	2,800		0.00%															
MT	448	8	1.79%	0.001	0.007	0.025												
NE	632		0.00%															
NJ	0		0.00%															
NM	4,059		0.00%															
OR	585		0.00%															
SC	4,981		0.00%															
SD	867		0.00%															
TX	3,469		0.00%															
VT	1,003	1	0.10%	0.000185	0.000185	0.000185												
All States	39,696	30	0.08%	0.000002	0.0012	0.025	0.00018	0.0002	0.0004	0.000139	0.000277	0.001	0.0003	0.000995	0.1	0		0
<b>Surface Water</b>																		
AL	833	14	1.68%				0.0002	0.00045	0.0007				0.0002	0.0005	0.004	0.0002	0.0002	0.0021
CA	1,567		0.00%															
FL	79		0.00%															
IL	1,411	10	0.71%	0.00031	0.000525	0.00074	0.00021	0.000345	0.00082	0.000381	0.00042	0.000521	0.000447	0.000447	0.000447	0.001167	0.001167	0.001167
IN	507		0.00%															
KY	949		0.00%															
MI	175		0.00%															
MT	63		0.00%															
NE	34		0.00%															
NJ	0		0.00%															
NM	146		0.00%															
OR	427		0.00%															
SC	642		0.00%															
SD	183		0.00%															
TX	2,263		0.00%															
VT	312	1	0.32%							0.0136	0.0136	0.0136						
All States	9,591	25	0.26%	0.00031	0.000525	0.00074	0.0002	0.000345	0.00082	0.000381	0.0004705	0.0136	0.0002	0.0004735	0.004	0.0002	0.0006835	0.0021

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.28.b. Diquat - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,144	37	1.18%				0.0004	0.0008	0.019	0.0004	0.00075	0.0016	0.0003	0.0007	0.0085			
CA	3,703	2	0.05%										0.002	0.003	0.004			
FL	4,670	8	0.17%	0.000475	0.00176	0.00395	0.0022	0.0026	0.0043	0.00053	0.00053	0.00053				0.00089	0.00089	0.00089
IL	4,646	1	0.02%													0.0418	0.0418	0.0418
IN	2,841	8	0.28%	0.00036	0.000615	0.004	0.0009	0.0009	0.0009				0.0024	0.0024	0.0024			
KY	1,017		0.00%															
MI	35		0.00%															
MT	2		0.00%															
NE	714		0.00%															
NJ	0		0.00%															
NM	3,085		0.00%															
OR	547		0.00%															
SC	5,113		0.00%															
SD	595		0.00%															
TX	0		0.00%															
VT	53		0.00%															
All States	30,165	56	0.19%	0.00036	0.00074	0.004	0.0004	0.00088	0.019	0.0004	0.00053	0.0016	0.0003	0.001	0.0085	0.00089	0.021345	0.0418
<b>Surface Water</b>																		
AL	874	35	4.00%	0.0006	0.0006	0.0006	0.0004	0.00058	0.0015	0.0003	0.0006	0.0014	0.0004	0.0013	0.024	0.0003	0.0005	0.004
CA	1,468		0.00%															
FL	77		0.00%															
IL	964	1	0.10%				0.0004	0.0004	0.0004									
IN	507		0.00%															
KY	972		0.00%															
MI	19		0.00%															
MT	0		0.00%															
NE	17		0.00%															
NJ	0		0.00%															
NM	208		0.00%															
OR	415		0.00%															
SC	594		0.00%															
SD	161		0.00%															
TX	0		0.00%															
VT	2		0.00%															
All States	6,278	36	0.57%	0.0006	0.0006	0.0006	0.0004	0.00049	0.0015	0.0003	0.0006	0.0014	0.0004	0.0013	0.024	0.0003	0.0005	0.004

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.29.b. Endothall - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,104	1	0.03%							0.017	0.017	0.017						
CA	2,522	1	0.04%										0.1	0.1	0.1			
FL	4,662	1	0.02%	0.009	0.009	0.009												
IL	4,618	1	0.02%				4.548	4.548	4.548									
IN	2,829	1	0.04%	0.018	0.018	0.018												
KY	1,051		0.00%															
MI	35		0.00%															
MT	2		0.00%															
NE	10		0.00%															
NJ	0		0.00%															
NM	2,997	2	0.07%	0.0019	0.0019	0.0019												
OR	546		0.00%															
SC	4,386		0.00%															
SD	680		0.00%															
TX	0		0.00%															
VT	52		0.00%															
All States	27,494	7	0.03%	0.0019	0.00545	0.018	4.548	4.548	4.548	0.017	0.017	0.017	0.1	0.1	0.1	0		0
<b>Surface Water</b>																		
AL	797		0.00%															
CA	476	2	0.42%										0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
FL	77		0.00%															
IL	955		0.00%															
IN	508	1	0.20%										0.013	0.013	0.013			
KY	987	4	0.41%										0.55	1.725	2.9			
MI	20		0.00%															
MT	0		0.00%															
NE	5		0.00%															
NJ	0		0.00%															
NM	108		0.00%															
OR	405	1	0.25%										0.009	0.009	0.009			
SC	594		0.00%															
SD	178		0.00%															
TX	0		0.00%															
VT	2		0.00%															
All States	5,112	8	0.16%	0		0	0		0	0		0	0.0025	0.55	2.9	0.0025	0.0025	0.0025

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.30.b. Endrin - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,103	6	0.19%				0.000008	0.000019	0.000037	0.000014	0.000027	0.00004						
CA	9,607	3	0.03%				0.3	0.3	0.3				0.013	0.013	0.013	0.0002	0.0002	0.0002
FL	4,685	3	0.06%	0.00002	0.00002	0.00002										0.00028	0.000305	0.00033
IL	5,285		0.00%															
IN	2,838		0.00%															
KY	1,462		0.00%															
MI	2,845		0.00%															
MT	1,609		0.00%															
NE	1,974		0.00%															
NJ	50		0.00%															
NM	4,131	3	0.07%	0.00011	0.00011	0.00011				0.0001	0.0006	0.0011						
OR	632		0.00%															
SC	6,410		0.00%															
SD	902		0.00%															
TX	4,044		0.00%															
VT	963		0.00%															
All States	50,540	15	0.03%	0.00002	0.000065	0.00011	0.000008	0.00002	0.3	0.000014	0.00007	0.0011	0.013	0.013	0.013	0.0002	0.00028	0.00033
<b>Surface Water</b>																		
AL	931	7	0.75%	0.000051	0.000051	0.000051				0.000008	0.000018	0.000089	0.000008	0.000038	0.000038			
CA	3,674	4	0.11%													0.0002	0.0101	0.09
FL	77		0.00%															
IL	2,142	4	0.19%				0.00001	0.00001	0.00001							0.0001	0.0001	0.0001
IN	545	1	0.18%													0.00003	0.00003	0.00003
KY	1,595		0.00%															
MI	181		0.00%															
MT	248		0.00%															
NE	170		0.00%															
NJ	13		0.00%															
NM	156		0.00%															
OR	598	1	0.17%							0.00002	0.00002	0.00002						
SC	745		0.00%															
SD	179		0.00%															
TX	3,944		0.00%															
VT	362		0.00%															
All States	15,560	17	0.11%	0.000051	0.000051	0.000051	0.00001	0.00001	0.00001	0.000008	0.000019	0.000089	0.000008	0.000038	0.000038	0.00003	0.0002	0.09

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.31.b. Ethylbenzene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,118	72	1.41%	0.0009	0.0011	0.0091	0.0005	0.0009	0.0893	0.000511	0.00111	0.009976	0.0005	0.00286	0.0118	0.0005	0.001	0.004
CA	38,590	60	0.16%	0.0006	0.0009	0.004	0.0008	0.00147	0.1525	0.00054	0.013	0.14	0.0006	0.0029	0.019	0.0007	0.0031	0.01
FL	18,552	96	0.52%	0.00001	0.001	0.016	0.0005	0.00156	0.0794	0.00024	0.001	0.0081	0.000183	0.0022	0.00971	0.0001	0.00175	0.03
IL	23,591	161	0.68%	0.0005	0.0007	0.044	0.0005	0.001	0.027	0.0002	0.0005	0.0024	0.000205	0.0006	0.0094	0.00069	0.005595	0.0105
IN	3,785	17	0.45%	0.0005	0.00072	0.0096	0.0005	0.00068	0.002				0.0008	0.0009	0.001			
KY	1,154	5	0.43%				0.00058	0.0006	0.002									
MI	4,166	16	0.38%	0.0005	0.0009	0.0015	0.0007	0.0007	0.0007	0.0006	0.0023	0.0047						
MT	3,321	7	0.21%	0.0006	0.00191	0.0049	0.0006	0.0006	0.0006									
NE	4,767	35	0.73%	0.0002	0.0008	0.0145	0.0004	0.0012	0.0085	0.0007	0.0022	0.003	0.0005	0.00379	0.00475	0.00471	0.00471	0.00471
NJ	10,057	55	0.55%	0.00017	0.0011	0.0264	0.0002	0.0005	0.0054	0.0003	0.00065	0.00189	0.00029	0.0007	0.00527			
NM	5,238	16	0.31%	0.0008	0.0014	0.03	0.00051	0.0014	0.003				0.0004	0.00098	0.0018			
OR	656	6	0.91%	0.0006	0.00135	0.0064	0.0008	0.0009	0.001									
SC	8,328	59	0.71%	0.00055	0.001	0.0076	0.0005	0.00104	0.00473	0.00051	0.00087	0.00232				0.00119	0.00119	0.00119
SD	683	6	0.88%	0.000676	0.000711	0.00144	0.00065	0.00065	0.00065									
TX	23,193	689	2.97%	0.0005	0.001	0.3	0.00016	0.0009	0.05843	0.00017	0.0011	0.38607	0.0005	0.001	0.0071	0.0005	0.00075	0.001
VT	3,682	15	0.41%	0.0002	0.0031	0.01	0.0006	0.0007	0.005									
All States	154,881	1,315	0.85%	0.00001	0.001	0.3	0.00016	0.0009	0.1525	0.00017	0.0011	0.38607	0.000183	0.0012	0.019	0.0001	0.001725	0.03
<b>Surface Water</b>																		
AL	2,300	26	1.13%	0.0005	0.00055	0.0006	0.0006	0.0016	0.00172	0.0005	0.0013	0.0072	0.0006	0.0008	0.0017	0.000529	0.0014	0.00141
CA	11,894	19	0.16%	0.0011	0.0011	0.0011	0.0067	0.0067	0.0067	0.0013	0.0053	0.028	0.00168	0.00168	0.00168	0.0006	0.0017	0.0176
FL	135		0.00%															
IL	2,799	18	0.64%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0022	0.0005	0.0005	0.0016	0.0005	0.0005	0.0005
IN	526		0.00%															
KY	1,151	13	1.13%	0.0005	0.00297	0.00505	0.0002	0.0006	0.0008	0.0004	0.00082	0.00199	0.00064	0.00081	0.00098			
MI	512	11	2.15%	0.0005	0.0006	0.0018	0.0006	0.0016	0.0026	0.0019	0.0019	0.0019	0.0005	0.0005	0.0005			
MT	385	2	0.52%							0.0023	0.00245	0.0026						
NE	154	1	0.65%							0.0006	0.0006	0.0006						
NJ	671	2	0.30%										0.0003	0.0017	0.0031			
NM	209	2	0.96%													0.0004	0.000785	0.00117
OR	448	1	0.22%				0.001	0.001	0.001									
SC	1,094	12	1.10%	0.00177	0.00177	0.00177	0.0008	0.00089	0.0035	0.00089	0.000895	0.0009				0.0008	0.0008	0.0008
SD	70	1	1.43%	0.000803	0.000803	0.000803												
TX	6,182	105	1.70%	0.00012	0.0013	0.0189	0.0003	0.000785	0.004	0.0005	0.001035	0.0058	0.0005	0.0007	0.0011	0.00017	0.0007	0.002
VT	768	7	0.91%				0.0005	0.0005	0.0005				0.0005	0.0006	0.005	0.0009	0.0031	0.005
All States	29,298	220	0.75%	0.00012	0.00116	0.0189	0.0002	0.000835	0.0067	0.0004	0.0013	0.028	0.0003	0.0007	0.005	0.00017	0.0007	0.0176

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.



**Table B.32.b. Ethylene Dibromide - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,165	18	0.57%				0.00002	0.00003	0.000192	0.00002	0.000036	0.00016	0.00004	0.00004	0.00004			
CA	22,144	51	0.23%	0.00016	0.00016	0.00016	0.00017	0.0005235	0.0059	0.0002	0.0003	0.0004	0.00011	0.000238	0.00087	0.00011	0.00017	0.0011
FL	4,820	19	0.39%	0.00002	0.00007	0.0053	0.000013	0.0000135	0.000014	0.000025	0.000057	0.000089	0.000018	0.00003	0.0007	0.00002	0.00138	0.00525
IL	28,721	16	0.06%	0.00001	0.000015	0.00002	0.000104	0.0005	0.0009	0.00004	0.0003	0.0005	0.0002	0.0002	0.0002	0.00001	0.00008	0.0004
IN	2,822	1	0.04%				0.00002	0.00002	0.00002									
KY	1,900	2	0.11%	0.00005	0.00023	0.00041												
MI	4,183		0.00%															
MT	991		0.00%															
NE	5,977	52	0.87%	0.00001	0.00007	0.001372	0.00001	0.000017	0.000027	0.00001	0.000027	0.000086						
NJ	9,291	8	0.09%	0.0004	0.0004	0.0062	0.0004	0.0005	0.0005	0.0005	0.0007	0.0009						
NM	4,897	25	0.51%	0.000014	0.00032	0.00104	0.00032	0.00061	0.0009				0.00003	0.00004	0.00102	0.00002	0.00002	0.00002
OR	604	5	0.83%	0.00001	0.000035	0.00015							0.00005	0.00005	0.00005			
SC	9,706	48	0.49%	0.00005	0.000155	0.052	0.00004	0.00058	0.00247	0.00004	0.00043	0.0312	0.00272	0.00272	0.00272			
SD	1,352	1	0.07%				0.00329	0.00329	0.00329									
TX	0		0.00%															
VT	1,007	9	0.89%	0.000013	0.00003	0.00005	0.00003	0.00003	0.00003									
All States	101,580	255	0.25%	0.00001	0.0001	0.052	0.00001	0.000097	0.0059	0.00001	0.00004	0.0312	0.000018	0.00021	0.00272	0.00001	0.00015	0.00525
<b>Surface Water</b>																		
AL	834	5	0.60%	0.0003	0.00031	0.00036	0.00034	0.00041	0.00048									
CA	8,654	11	0.13%													0.00012	0.0008	0.006755
FL	78		0.00%															
IL	3,938	12	0.30%				0.00002	0.00002	0.00002	0.0001	0.0033	0.013	0.00005	0.0015	0.0064	0.0044	0.0044	0.0044
IN	508		0.00%															
KY	1,640	12	0.73%	0.00002	0.000025	0.00003							0.00001	0.000035	0.0002			
MI	515		0.00%															
MT	153	1	0.65%				0.000029	0.000029	0.000029									
NE	218		0.00%															
NJ	567	3	0.53%										0.00068	0.00068	0.00068	0.00000001	0.00050001	0.001
NM	199	24	12.06%				0.00014	0.00014	0.00014	0.00021	0.00021	0.00021	0.00014	0.00014	0.00014	0.0001	0.0013	0.0032
OR	433	1	0.23%										0.00004	0.00004	0.00004			
SC	1,508	13	0.86%				0.00107	0.001165	0.00126	0.00056	0.00056	0.00056	0.00005	0.00034	0.00095			
SD	250		0.00%															
TX	0		0.00%															
VT	252		0.00%															
All States	19,747	82	0.42%	0.00002	0.0003	0.00036	0.00002	0.00034	0.00126	0.0001	0.00056	0.013	0.00001	0.000135	0.0064	0.00000001	0.000995	0.006755

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.33.b. Fluoride - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	1,487	770	51.78%	0.04	0.48	1.79	0.02	0.32	3.29	0.01	0.75	4.22	0.034	0.88	3.67	0.05	0.71	3
CA	22,678	18,607	82.05%	0.06	0.21	140	0.06	0.34	49	0.051	0.4	24	0.06	0.3825	42	0.06	0.34	15
FL	5,595	4,967	88.78%	0.012	0.188	7.62	0.003	0.19	3.98	0.01	0.3	2.57	0.01	0.3455	1.77	0.0001	0.3585	3.54
IL	224	224	100.00%	0.06	0.66	3.5	0.17	0.87	4.6	0.15	1.03	5.3	0.18	0.97	1.49	0.86	1.07	1.38
IN	2,863	1,764	61.61%	0.0001	0.58	22	0.0001	0.7	7.6	0.0014	0.72	39.9	0.0001	0.9	2.6	0.7	1.175	1.3
KY	1,143	1,086	95.01%	0.004	0.34	29	0.057	0.9015	40	0.018	0.9635	4.55	0.781	1.075	1.62	1.18	1.18	1.18
MI	14,479	12,873	88.91%	0.1	0.3	2.3	0.1	0.3	17.8	0.1	0.6	21.5	0.1	0.3	1.3	0.1	0.5	1
MT	1,494	1,230	82.33%	0.01	0.3	10.1	0.02	0.42	5.9	0.07	0.295	0.97	0.1	0.15	0.6			
NE	4,296	4,168	97.02%	0.1	0.38	4.48	0.2	0.92	6.45	0.2	0.9	3.42	0.2	0.4	8.71	0.42	0.98	1.1
NJ	4,340	2,275	52.42%	0.002	0.19	3	0.03	0.2	8.23	0.02	0.18	9	0.036	0.2	3.82	0.01	0.08	1
NM	2,226	2,163	97.17%	0.1	0.5	24	0.1	0.5	8.4	0.1	0.7	4.9	0.17	0.9	4.7	0.2	0.6	1.5
OR	1,820	946	51.98%	0.001	0.21	6.1	0.02	0.2	2.2	0.031	0.2	3.5	0.039	0.22	0.92			
SC	3,588	2,116	58.97%	0.08	0.28	6.3	0.1	0.4	5.5	0.1	0.92	6	0.1	0.85	5.1	0.1	0.78	1.28
SD	215	215	100.00%	0.077	0.36	4.16	0.2	1.16	3.51	0.27	0.785	1.3						
TX	6,549	6,100	93.14%	0.1	0.4	44	0.1	0.4	70	0.1	0.4	4	0.1	0.5	4.8	0.2	0.2	3.4
VT	1,453	294	20.23%	0.06	0.3	3.35	0.1	0.35	3.6	0.2	0.83	2.2						
All States	74,450	59,798	80.32%	0.0001	0.3	140	0.0001	0.4	70	0.0014	0.5	39.9	0.0001	0.4	42	0.0001	0.37	15
<b>Surface Water</b>																		
AL	853	732	85.81%	0.017	0.73	3.49	0.05	0.2625	2.25	0.046	0.9	2.85	0.034	0.895	2.81	0.00077	0.936	4.06
CA	10,535	9,055	85.95%	0.06	0.155	2	0.08	0.3	7.15	0.07	0.6035	25.7	0.08	0.3	21.8	0.06	0.31	600
FL	288	280	97.22%	0.28	0.745	1	0.06	0.24	1.1	0.17	0.7	1.2	0.05	0.7	1.53	0.11	0.69	1.1
IL	70	69	98.57%	0.56	0.74	0.92	0.12	0.87	1.81	0.08	1.04	1.24	0.11	0.95	1.15	0.2	0.9	1.07
IN	348	227	65.23%	0.036	0.118	0.782	0.053	0.7	3.5	0.01	0.8085	1.4	0.0002	0.897	1.4	0.21	0.975	1.9
KY	935	888	94.97%	0.01	0.078	3.81	0.03	0.974	2.75	0.052	1.03	42	0.077	1.03	12.2	0.87	1.07	1.64
MI	725	667	92.00%	0.1	0.1	1.3	0.1	0.6	1.3	0.1	0.9	1.7	0.1	0.9	5.6	0.1	0.9	3
MT	527	456	86.53%	0.057	0.365	0.84	0.098	0.67	2.38	0.1	0.89	1.16	0.05	0.98	1.43	0.16	0.4	1.6
NE	246	244	99.19%				0.33	0.95	1.25	0.29	0.97	3.62	0.31	0.82	1.3	0.24	0.81	1.15
NJ	535	278	51.96%	0.2	0.2	0.2	0.03	0.12	0.3	0.03	0.08	1.36	0.02	0.15	1.14	0.02	0.2	1.1
NM	196	185	94.39%	0.1	0.21	0.9	0.1	0.4	1.5	0.1	0.3	2.5	0.1	0.3	1.9	0.1	0.3	0.8
OR	974	386	39.63%	0.01	0.1	0.7	0.019	0.12	1.36	0.05	0.42	1.8	0.02	0.59	1.8	0.061	0.126	0.29
SC	353	254	71.95%	0.1	0.58	0.91	0.1	0.81	4.8	0.13	0.76	1.32	0.13	0.83	4.14	0.44	0.84	1.42
SD	3	3	100.00%	0.21	0.26	0.43												
TX	1,502	1,377	91.68%	0.1	0.3	4.5	0.1	0.2	3.3	0.1	0.4	2.4	0.1	0.7	2.7	0.1	0.7	4.1
VT	522	130	24.90%	0.14	0.58	1.5	0.02	0.3	1.73	0.4	1.02	2.1	0.1	0.94	1.3	0.9	1.025	1.18
All States	18,612	15,231	81.83%	0.01	0.2	4.5	0.019	0.485	7.15	0.01	0.8	42	0.0002	0.66	21.8	0.00077	0.34	600

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.34.b. Glyphosate - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,087	2	0.06%							0.007	0.009	0.011						
CA	5,096		0.00%															
FL	4,622	4	0.09%	0.006	0.0086	0.036				0.006	0.006	0.006						
IL	1,705		0.00%															
IN	1,767	1	0.06%	0.0089	0.0089	0.0089												
KY	1,022		0.00%															
MI	12		0.00%															
MT	1		0.00%															
NE	0		0.00%															
NJ	0		0.00%															
NM	4,092		0.00%															
OR	553		0.00%															
SC	5,120		0.00%															
SD	748		0.00%															
TX	0		0.00%															
VT	52		0.00%															
All States	27,877	7	0.03%	0.006	0.00875	0.036				0.006	0.007	0.011						
<b>Surface Water</b>																		
AL	796		0.00%															
CA	2,055		0.00%															
FL	77		0.00%															
IL	661		0.00%															
IN	103		0.00%															
KY	990	1	0.10%							0.00902	0.00902	0.00902						
MI	18		0.00%															
MT	0		0.00%															
NE	0		0.00%															
NJ	0		0.00%															
NM	237		0.00%															
OR	417		0.00%															
SC	562		0.00%															
SD	162		0.00%															
TX	0		0.00%															
VT	2		0.00%															
All States	6,080	1	0.02%							0.00902	0.00902	0.00902						

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.35.b. Heptachlor - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,090	4	0.13%	0.00134	0.00134	0.00134	0.000003	0.0000315	0.00006				0.00004	0.00004	0.00004			
CA	8,029	2	0.02%													0.00015	0.000185	0.00022
FL	4,664		0.00%															
IL	5,290		0.00%															
IN	2,833		0.00%															
KY	1,011		0.00%															
MI	1,250		0.00%															
MT	1,172		0.00%															
NE	1,614		0.00%															
NJ	0		0.00%															
NM	4,265	7	0.16%				0.00011	0.00015	0.00015	0.0001	0.000226	0.000352	0.0002	0.000225	0.00025			
OR	595		0.00%															
SC	5,808		0.00%															
SD	763		0.00%															
TX	3,749	1	0.03%	0.0002	0.0002	0.0002												
VT	843		0.00%															
All States	44,976	14	0.03%	0.0002	0.00077	0.00134	0.000003	0.00011	0.00015	0.0001	0.000226	0.000352	0.00004	0.0002	0.00025	0.00015	0.000185	0.00022
<b>Surface Water</b>																		
AL	800		0.00%															
CA	2,893		0.00%															
FL	79		0.00%															
IL	2,147	1	0.05%						0.000043	0.000043	0.000043							
IN	547		0.00%															
KY	950		0.00%															
MI	167		0.00%															
MT	184		0.00%															
NE	121		0.00%															
NJ	0		0.00%															
NM	249	2	0.80%													0.00036	0.000374	0.000388
OR	423		0.00%															
SC	667		0.00%															
SD	161		0.00%															
TX	2,833		0.00%															
VT	292		0.00%															
All States	12,513	3	0.02%						0.000043	0.000043	0.000043					0.00036	0.000374	0.000388

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.36.b. Heptachlor Epoxide - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,098	10	0.32%	0.000005	0.000005	0.000005	0.000007	0.0000105	0.000012	0.000036	0.000513	0.00099	0.00005	0.00008	0.00029			
CA	7,663		0.00%															
FL	4,648	1	0.02%							0.00021	0.00021	0.00021						
IL	5,291		0.00%															
IN	2,833		0.00%															
KY	1,544		0.00%															
MI	1,249		0.00%															
MT	966		0.00%															
NE	1,614		0.00%															
NJ	0		0.00%															
NM	4,265		0.00%															
OR	595		0.00%															
SC	5,805	1	0.02%							0.00035	0.00035	0.00035						
SD	763		0.00%															
TX	3,749		0.00%															
VT	844		0.00%															
All States	44,927	12	0.03%	0.000005	0.000005	0.000005	0.000007	0.0000105	0.000012	0.000036	0.00028	0.00099	0.00005	0.00008	0.00029			
<b>Surface Water</b>																		
AL	800	1	0.13%										0.000032	0.000032	0.000032			
CA	2,841		0.00%															
FL	77		0.00%															
IL	2,147	1	0.05%				0.00002	0.00002	0.00002									
IN	543		0.00%															
KY	1,337		0.00%															
MI	167		0.00%															
MT	146		0.00%															
NE	121		0.00%															
NJ	0		0.00%															
NM	250		0.00%															
OR	423		0.00%															
SC	666		0.00%															
SD	161		0.00%															
TX	2,833		0.00%															
VT	292		0.00%															
All States	12,804	2	0.02%				0.00002	0.00002	0.00002				0.000032	0.000032	0.000032			

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.37.b. Hexachlorobenzene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,087		0.00%															
CA	4,180		0.00%															
FL	4,634		0.00%															
IL	5,296		0.00%															
IN	2,851	6	0.21%	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001							0.0001	0.0001	0.0001
KY	1,010		0.00%															
MI	1,250		0.00%															
MT	1,563		0.00%															
NE	1,614		0.00%															
NJ	0		0.00%															
NM	4,265		0.00%															
OR	592		0.00%															
SC	5,836		0.00%															
SD	761		0.00%															
TX	3,749	1	0.03%										0.0088	0.0088	0.0088			
VT	761	1	0.13%	0.0001	0.0001	0.0001												
All States	41,449	8	0.02%	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001				0.0088	0.0088	0.0088	0.0001	0.0001	0.0001
<b>Surface Water</b>																		
AL	799		0.00%															
CA	1,899		0.00%															
FL	77		0.00%															
IL	2,093	2	0.10%							0.000018	0.000018	0.000018	0.000027	0.000027	0.000027			
IN	547		0.00%															
KY	952		0.00%															
MI	167		0.00%															
MT	243		0.00%															
NE	121		0.00%															
NJ	0		0.00%															
NM	250		0.00%															
OR	424		0.00%															
SC	665		0.00%															
SD	167	1	0.60%													0.0001	0.0001	0.0001
TX	2,833		0.00%															
VT	245	2	0.82%	0.0001	0.0001	0.0001				0.0001	0.0001	0.0001						
All States	11,482	5	0.04%	0.0001	0.0001	0.0001				0.000018	0.000059	0.0001	0.000027	0.000027	0.000027	0.0001	0.0001	0.0001

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.38.b. Hexachlorocyclopentadiene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,087		0.00%															
CA	3,537		0.00%															
FL	4,663	17	0.36%	0.0000138	0.000235	0.0006	0.0000822	0.0003	0.00061	0.000198	0.000198	0.000198						
IL	5,247	3	0.06%				0.000184	0.000942	0.0017	0.00074	0.00074	0.00074						
IN	2,832		0.00%															
KY	1,301	2	0.15%				0.00094	0.00094	0.00094	0.00008	0.00008	0.00008						
MI	1,250		0.00%															
MT	1,611		0.00%															
NE	1,614		0.00%															
NJ	0		0.00%															
NM	4,265	1	0.02%	0.00077	0.00077	0.00077												
OR	585		0.00%															
SC	5,734		0.00%															
SD	761		0.00%															
TX	3,857		0.00%															
VT	765		0.00%															
All States	41,109	23	0.06%	0.0000138	0.00036	0.00077	0.0000822	0.00036	0.0017	0.00008	0.000198	0.00074						
<b>Surface Water</b>																		
AL	799	4	0.50%										0.000051	0.000074	0.00015	0.000068	0.000068	0.000068
CA	1,858	4	0.22%										0.008	0.008	0.008	0.000108	0.000122	0.000146
FL	79		0.00%															
IL	1,853	80	4.32%	0.00011	0.0002	0.00032	0.0001	0.00017	0.000884	0.00011	0.0003	0.000863	0.00011	0.000273	0.000885	0.00013	0.000269	0.000408
IN	570	7	1.23%	0.00033	0.00033	0.00033				0.00011	0.0002	0.00021	0.0002	0.0002	0.0002			
KY	1,136	50	4.40%	0.00005	0.00022	0.00034	0.00005	0.00007	0.00014	0.00004	0.00008	0.0003	0.00005	0.000065	0.0018			
MI	167		0.00%															
MT	261	26	9.96%				0.000029	0.000135	0.00042				0.00002	0.000051	0.00045	0.000033	0.000033	0.000033
NE	121		0.00%															
NJ	0		0.00%															
NM	252		0.00%															
OR	424		0.00%															
SC	684		0.00%															
SD	161		0.00%															
TX	2,888	28	0.97%	0.00034	0.00034	0.00034	0.00024	0.00091	0.0019	0.0002	0.00035	0.0017						
VT	252	2	0.79%							0.0001	0.0001	0.0001						
All States	11,505	201	1.75%	0.00005	0.00023	0.00034	0.000029	0.00018	0.0019	0.00004	0.00018	0.0017	0.00002	0.000085	0.008	0.000033	0.000122	0.000408

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.39.b. Lindane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,117	11	0.35%	0.00013	0.00013	0.00013	0.000008	0.0000485	0.0002	0.000042	0.0000675	0.00019						
CA	9,771		0.00%															
FL	4,686	1	0.02%													0.000006	0.000006	0.000006
IL	5,286		0.00%															
IN	2,833		0.00%															
KY	1,491	1	0.07%	0.00002	0.00002	0.00002												
MI	2,844		0.00%															
MT	1,609		0.00%															
NE	1,974	1	0.05%	0.00008	0.00008	0.00008												
NJ	50	2	4.00%	0.00026	0.000275	0.00029												
NM	4,131	1	0.02%										0.00004	0.00004	0.00004			
OR	638		0.00%															
SC	2,740		0.00%															
SD	902		0.00%															
TX	4,044	2	0.05%	0.0001	0.00015	0.0002												
VT	962		0.00%															
All States	47,078	19	0.04%	0.00002	0.00013	0.00029	0.000008	0.0000485	0.0002	0.000042	0.0000675	0.00019	0.00004	0.00004	0.00004	0.000006	0.000006	0.000006
<b>Surface Water</b>																		
AL	916	4	0.44%				0.000022	0.000022	0.000022				0.000005	0.000042	0.000045			
CA	3,759	3	0.08%													0.0004	0.001	0.004
FL	77		0.00%															
IL	2,146	1	0.05%				0.00002	0.00002	0.00002									
IN	529		0.00%															
KY	1,616		0.00%															
MI	181		0.00%															
MT	246		0.00%															
NE	170		0.00%															
NJ	13	1	7.69%										0.00026	0.00026	0.00026			
NM	156		0.00%															
OR	597	1	0.17%							0.00002	0.00002	0.00002						
SC	416		0.00%															
SD	179		0.00%															
TX	3,944		0.00%															
VT	360		0.00%															
All States	15,305	10	0.07%	0		0	0.00002	0.000021	0.000022	0.00002	0.00002	0.00002	0.000005	0.0000435	0.00026	0.0004	0.001	0.004

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.



**Table B.40.b. Mercury - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	1,508	24	1.59%	0.0004	0.0005	0.0005	0.0002	0.0007	0.0059	0.0001	0.0006	0.0029	0.0001	0.0001	0.0005			
CA	17,677	8	0.05%				0.073	0.1	0.13				0.07	0.215	0.3			
FL	5,110	420	8.22%	0.0001	0.0003	0.0035	0.0001	0.0004	0.0048	0.0001	0.0005	0.0098	0.0001	0.0004	0.002	0.0001	0.0003	0.0011
IL	168	1	0.60%				0.0053	0.0053	0.0053									
IN	2,986	1,832	61.35%	0.00002	0.0002	0.002	0.0001	0.0002	0.002	0.0001	0.0002	0.002	0.0001	0.0002	0.002	0.0001	0.0001	0.0005
KY	930	146	15.70%	0.0001	0.0004	0.02	0.0002	0.0003	0.0008	0.0001	0.0002	0.0003						
MI	3,089	183	5.92%	0.00001	0.000015	0.0003	0.00001	0.00002	0.0018	0.00001	0.00001	0.0003	0.00001	0.00001	0.00001			
MT	1,397	7	0.50%	0.0001	0.0002	0.0003	0.0003	0.0003	0.0003				0.0002	0.0002	0.0002			
NE	154		0.00%															
NJ	3,597	238	6.62%	0.00004	0.0005	3.9	0.0001	0.000385	0.005	0.00014	0.000305	0.0011	0.0001	0.000325	0.0045	0.0005	0.0005	0.0006
NM	1,893	8	0.42%	0.0006	0.0006	0.002	0.0006	0.00065	0.0007				0.0007	0.0007	0.0007			
OR	1,724	88	5.10%	0.0001	0.0005	0.0034	0.0003	0.0006	0.001	0.0003	0.0005	0.0006	0.0001	0.0005	0.0007			
SC	3,332	5	0.15%	0.0013	0.2	0.37												
SD	272	257	94.49%	0.00012	0.0002	0.0004	0.00012	0.0002	0.0005	0.00013	0.0002	0.00021	0.0002	0.0002	0.0002			
TX	5,400	570	10.56%	0.00013	0.0002	0.00959	0.00013	0.00023	0.00848	0.00013	0.00018	0.00974	0.00014	0.00016	0.00099	0.00013	0.000185	0.00154
VT	1,480	37	2.50%	0.0002	0.0005	0.0015	0.0003	0.0005	0.0005	0.0005	0.0005	0.0005						
All States	50,717	3,824	7.54%	0.00001	0.0002	3.9	0.00001	0.0002	0.13	0.00001	0.0002	0.0098	0.00001	0.0002	0.3	0.0001	0.0002	0.00154
<b>Surface Water</b>																		
AL	836	13	1.56%	0.00028	0.00028	0.00028				0.001	0.0011	0.0012	0.0004	0.0007	0.003	0.0005	0.0005	0.0018
CA	7,159		0.00%															
FL	91	5	5.49%				0.0008	0.0008	0.0008	0.0005	0.0005	0.0005	0.0003	0.00035	0.0004	0.001	0.001	0.001
IL	69		0.00%															
IN	373	233	62.47%	0.0001	0.0002	0.0005	0.0001	0.0002	0.002	0.0001	0.0002	0.002	0.0001	0.0002	0.001	0.0001	0.0002	0.0008
KY	1,149	174	15.14%	0.0002	0.0003	0.0009	0.0002	0.0003	0.0013	0.0001	0.0003	0.001	0.0001	0.0003	0.0009	0.0001	0.0002	0.0003
MI	148	9	6.08%				0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00001	0.00004	0.00004	0.00004
MT	261	10	3.83%	0.0002	0.0002	0.0002	0.0008	0.0008	0.0008	0.0002	0.0006	0.0007	0.0004	0.0112	0.022	0.0002	0.001	0.001
NE	23		0.00%															
NJ	445	26	5.84%				0.00016	0.000265	0.0003	0.0002	0.0002	0.0004	0.00013	0.0005	0.0018	0.00014	0.0003	0.001
NM	159	3	1.89%	0.0024	0.0024	0.0024	0.0011	0.0011	0.0011				0.0005	0.0005	0.0005			
OR	931	33	3.54%	0.0002	0.0009	0.0011	0.0002	0.0004	0.005	0.0002	0.0005	0.001	0.0001	0.0004	0.0014	0.0006	0.00065	0.0007
SC	412	4	0.97%													0.0004	0.0004	0.0004
SD	14	14	100.00%	0.0002	0.0002	0.00025	0.0002	0.0002	0.0002	0.00013	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
TX	1,451	168	11.58%	0.00013	0.0002	0.0015	0.00013	0.00023	0.00254	0.00013	0.000175	0.0013	0.00013	0.000205	0.00171	0.00013	0.00022	0.00125
VT	526	18	3.42%	0.0005	0.0005	0.0005	0.0002	0.0005	0.0007	0.0005	0.0006	0.0007	0.0005	0.0005	0.0005			
All States	14,047	710	5.05%	0.0001	0.000205	0.0024	0.00001	0.000225	0.005	0.00001	0.0002	0.002	0.00001	0.00023	0.022	0.00004	0.0002	0.0018

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.41.b. Methoxychlor - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,098	3	0.10%				0.00005	0.00005	0.00005	0.00005	0.0000665	0.000083						
CA	9,284	6	0.06%				0.0005	0.0005	0.0005				0.0005	0.001	0.005	0.0016	0.0016	0.0016
FL	4,687	1	0.02%													0.0005	0.0005	0.0005
IL	5,288	1	0.02%							0.0001	0.0001	0.0001						
IN	2,847		0.00%															
KY	1,490		0.00%															
MI	2,845		0.00%															
MT	1,614		0.00%															
NE	1,974		0.00%															
NJ	50		0.00%															
NM	4,130		0.00%															
OR	636		0.00%															
SC	6,699	37	0.55%	0.00073	0.00079	0.0051	0.00088	0.00088	0.00088				0.00083	0.00083	0.00083			
SD	902		0.00%															
TX	4,044	1	0.02%	0.0005	0.0005	0.0005												
VT	960		0.00%															
All States	50,548	49	0.10%	0.0005	0.00079	0.0051	0.00005	0.00088	0.00088	0.00005	0.000083	0.0001	0.0005	0.000915	0.005	0.0005	0.00105	0.0016
<b>Surface Water</b>																		
AL	912	3	0.33%										0.00006	0.00006	0.00006			
CA	3,584	3	0.08%													0.001	0.01	0.1
FL	77		0.00%															
IL	2,147	3	0.14%							0.001	0.001	0.001				0.001	0.001	0.001
IN	547	2	0.37%										0.00014	0.00014	0.00014	0.0009	0.0009	0.0009
KY	1,617	1	0.06%	0.0001	0.0001	0.0001												
MI	181		0.00%															
MT	246		0.00%															
NE	170		0.00%															
NJ	13		0.00%															
NM	156		0.00%															
OR	598		0.00%															
SC	766		0.00%															
SD	179		0.00%															
TX	3,944	1	0.03%							0.00028	0.00028	0.00028						
VT	361		0.00%															
All States	15,498	13	0.08%	0.0001	0.0001	0.0001	0		0	0.00028	0.00064	0.001	0.00006	0.00006	0.00014	0.0009	0.001	0.1

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.42.b. Monochlorobenzene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,119	4	0.08%				0.0012	0.00135	0.00171									
CA	0		0.00%															
FL	18,497	112	0.61%	0.00001	0.00105	0.0125	0.0011	0.00193	0.0028	0.00096	0.001	0.00446	0.0002	0.0012	0.024	0.00025	0.001	0.0033
IL	23,601	62	0.26%	0.0005	0.0005	0.0019	0.0005	0.00245	0.027	0.0005	0.0005	0.0025	0.0001	0.0005	0.001	0.00016	0.00098	0.0018
IN	3,754		0.00%															
KY	1,151		0.00%															
MI	4,155	1	0.02%	0.0042	0.0042	0.0042												
MT	3,332	2	0.06%	0.0000027	0.00025135	0.0005												
NE	4,767	1	0.02%	0.00273	0.00273	0.00273												
NJ	10,737	44	0.41%	0.000044	0.0005455	0.0028	0.0002	0.0005	0.0008	0.0003	0.0003	0.0003	0.0002	0.0007285	0.012			
NM	5,249	3	0.06%	0.0011	0.0022	0.0046												
OR	649	2	0.31%	0.0005	0.0005	0.0005							0.0009	0.0009	0.0009			
SC	8,328	1	0.01%				0.0005	0.0005	0.0005									
SD	683		0.00%															
TX	23,193	5	0.02%	0.0011	0.0011	0.0011	0.0016	0.0016	0.0016	0.00091	0.00091	0.00091				0.0013	0.00225	0.0032
VT	3,669	1	0.03%	0.0005	0.0005	0.0005												
All States	116,884	238	0.20%	0.0000027	0.0009	0.0125	0.0002	0.0015	0.027	0.0003	0.00091	0.00446	0.0001	0.001	0.024	0.00016	0.0011	0.0033
<b>Surface Water</b>																		
AL	2,296	2	0.09%										0.003	0.003	0.003	0.0005	0.0005	0.0005
CA	0		0.00%															
FL	135		0.00%															
IL	2,808	57	2.03%				0.0005	0.0006	0.002	0.0005	0.00175	0.007	0.0005	0.00105	0.0037	0.0005	0.0005	0.0014
IN	526		0.00%															
KY	1,215		0.00%															
MI	506		0.00%															
MT	391		0.00%															
NE	154		0.00%															
NJ	782	3	0.38%				0.0001	0.0004	0.0008									
NM	210	2	0.95%	0.0065	0.0065	0.0065				0.0052	0.0052	0.0052						
OR	447	1	0.22%				0.0009	0.0009	0.0009									
SC	1,091		0.00%															
SD	70		0.00%															
TX	6,183	3	0.05%	0.0012	0.0012	0.0012				0.0022	0.0022	0.0022				0.0009	0.0009	0.0009
VT	763	1	0.13%										0.0005	0.0005	0.0005			
All States	17,577	69	0.39%	0.0012	0.00385	0.0065	0.0001	0.0006	0.002	0.0005	0.00195	0.007	0.0005	0.00105	0.0037	0.0005	0.0005	0.0014

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.43.b. Oxamyl - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,087		0.00%															
CA	4,231	3	0.07%	0.005	0.005	0.005						0.008	0.009	0.01				
FL	4,666	2	0.04%	0.000118	0.000118	0.000118										0.0044	0.0044	0.0044
IL	4,661	1	0.02%	0.02	0.02	0.02												
IN	2,832	1	0.04%				0.028	0.028	0.028									
KY	1,002	1	0.10%				0.00054	0.00054	0.00054									
MI	1,264		0.00%															
MT	382		0.00%															
NE	585		0.00%															
NJ	0		0.00%															
NM	4,157		0.00%															
OR	586		0.00%															
SC	5,787		0.00%															
SD	760		0.00%															
TX	3,467		0.00%															
VT	910		0.00%															
All States	38,377	8	0.02%	0.000118	0.005	0.02	0.00054	0.01427	0.028		0	0.008	0.009	0.01	0.0044	0.0044	0.0044	
<b>Surface Water</b>																		
AL	796		0.00%															
CA	1,668		0.00%															
FL	79		0.00%															
IL	988		0.00%															
IN	506		0.00%															
KY	971	2	0.21%							0.00052	0.00052	0.00052	0.0044	0.0044	0.0044			
MI	184		0.00%															
MT	63		0.00%															
NE	43		0.00%															
NJ	0		0.00%															
NM	237		0.00%															
OR	423		0.00%															
SC	662		0.00%															
SD	163		0.00%															
TX	2,232		0.00%															
VT	272		0.00%															
All States	9,287	2	0.02%		0			0		0.00052	0.00052	0.00052	0.0044	0.0044	0.0044		0	

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.44.b. PCBs - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,096	2	0.06%									0.0002	0.00025	0.0003				
CA	3,446		0.00%															
FL	4,655		0.00%															
IL	4,821	1	0.02%				0.0001	0.0001	0.0001									
IN	430		0.00%															
KY	11		0.00%															
MI	0		0.00%															
MT	658		0.00%															
NE	0		0.00%															
NJ	596	4	0.67%	0.0057	0.0057	0.0057						0.000611	0.000611	0.000611				
NM	0		0.00%															
OR	561		0.00%															
SC	0		0.00%															
SD	905		0.00%															
TX	4,044		0.00%															
VT	910	1	0.11%	0.0004	0.0004	0.0004												
All States	24,133	8	0.03%	0.0004	0.00305	0.0057	0.0001	0.0001	0.0001	0		0	0.0002	0.000611	0.000611	0	0	
<b>Surface Water</b>																		
AL	796	1	0.13%							0.0002	0.0002	0.0002						
CA	1,445		0.00%															
FL	77		0.00%															
IL	1,432		0.00%															
IN	449		0.00%															
KY	19		0.00%															
MI	0		0.00%															
MT	104		0.00%															
NE	0		0.00%															
NJ	71	1	1.41%												0.0029	0.0029	0.0029	
NM	0		0.00%															
OR	416		0.00%															
SC	0		0.00%															
SD	179		0.00%															
TX	3,944		0.00%															
VT	271		0.00%															
All States	9,203	2	0.02%	0		0	0		0	0.0002	0.0002	0.0002	0		0	0.0029	0.0029	0.0029

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.45.b. Pentachlorophenol - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,113	18	0.58%	0.00004	0.000845	0.00164	0.00004	0.00014	0.0007	0.00005	0.00006	0.001	0.00005	0.0001	0.00015			
CA	4,590	6	0.13%	0.0002	0.00035	0.0006	0.0002	0.0002	0.0002							0.00015	0.00015	0.00015
FL	4,622	5	0.11%	0.0000005	0.000015	0.000118										0.000042	0.0000441	0.0000462
IL	4,752	5	0.11%				0.000047	0.00009	0.00023									
IN	2,840	1	0.04%										0.00008	0.00008	0.00008			
KY	1,018		0.00%															
MI	2,802	17	0.61%	0.00016	0.00025	0.00109	0.0001	0.00039	0.0008									
MT	638		0.00%															
NE	632		0.00%															
NJ			0.00%															
NM	4,064		0.00%															
OR	586	3	0.51%	0.0001	0.0001	0.0021												
SC	5,146	6	0.12%	0.00005	0.00011	0.00019				0.00002	0.00002	0.00002						
SD	867		0.00%															
TX	4,183		0.00%															
VT	1,005	4	0.40%	0.00004	0.00159	0.0031												
All States	40,858	65	0.16%	0.0000005	0.000185	0.0031	0.00004	0.0003	0.0008	0.00002	0.00005	0.001	0.00005	0.00009	0.00015	0.000042	0.0000462	0.00015
<b>Surface Water</b>																		
AL	826	13	1.57%	0.00009	0.00009	0.00009	0.00006	0.000065	0.00007	0.00008	0.000305	0.00053	0.00005	0.00008	0.000336	0.00007	0.00007	0.00007
CA	1,913		0.00%															
FL	82	1	1.22%	0.00069	0.00069	0.00069												
IL	1,412	10	0.71%	0.00006	0.00006	0.00006	0.00004	0.00007	0.00073				0.00006	0.00008	0.00009	0.0001	0.0001	0.0001
IN	535		0.00%															
KY	945	1	0.11%							0.00007	0.00007	0.00007						
MI	175		0.00%															
MT	70	1	1.43%				0.000067	0.000067	0.000067									
NE	34		0.00%															
NJ	0		0.00%															
NM	146		0.00%															
OR	427		0.00%															
SC	654		0.00%															
SD	183		0.00%															
TX	4,772		0.00%															
VT	312		0.00%															
All States	12,486	26	0.21%	0.00006	0.00009	0.00069	0.00004	0.000067	0.00073	0.00007	0.00008	0.00053	0.00005	0.00008	0.000336	0.00007	0.000085	0.0001

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.46.b. Picloram - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,105	4	0.13%				0.0005	0.0005	0.0005				0.0003	0.0004	0.0004			
CA	4,018	5	0.12%	0.001	0.001	0.001	0.001	0.001	0.001				0.0048	0.0048	0.0048	0.0011	0.0011	0.0011
FL	4,614	2	0.04%	0.000002	0.000002	0.000002				0.0023	0.0023	0.0023						
IL	4,748	9	0.19%				0.00011	0.00012	0.0002	0.00012	0.00012	0.00012	0.00012	0.00014	0.00016			
IN	2,839	1	0.04%	0.0025	0.0025	0.0025												
KY	1,022	2	0.20%				0.00003	0.00003	0.00003									
MI	1,242		0.00%															
MT	435	1	0.23%				0.00036	0.00036	0.00036									
NE	317	6	1.89%	0.0003	0.00045	0.0005												
NJ	0		0.00%															
NM	4,193		0.00%															
OR	584		0.00%															
SC	4,618	1	0.02%	0.00075	0.00075	0.00075												
SD	721		0.00%															
TX	3,472	1	0.03%	0.00069	0.00069	0.00069												
VT	893		0.00%															
All States	36,821	32	0.09%	0.000002	0.0005	0.0025	0.00003	0.000145	0.001	0.00012	0.00121	0.0023	0.00012	0.0003	0.0048	0.0011	0.0011	0.0011
<b>Surface Water</b>																		
AL	806	5	0.62%				0.0002	0.0004	0.0006				0.0002	0.00065	0.0011	0.0002	0.0002	0.0002
CA	1,568		0.00%															
FL	80		0.00%															
IL	1,412	25	1.77%				0.0001	0.00013	0.00056	0.000108	0.00012	0.000631	0.000536	0.000536	0.000536	0.0002	0.0002	0.0002
IN	508		0.00%															
KY	949	4	0.42%				0.00005	0.00005	0.00005	0.00004	0.000055	0.00007	0.00003	0.00003	0.00003			
MI	161		0.00%															
MT	58		0.00%															
NE	31		0.00%															
NJ	0		0.00%															
NM	250		0.00%															
OR	432		0.00%															
SC	562		0.00%															
SD	162		0.00%															
TX	2,257	1	0.04%	0.0032	0.0032	0.0032												
VT	266		0.00%															
All States	9,502	35	0.37%	0.0032	0.0032	0.0032	0.00005	0.00013	0.0006	0.00004	0.00011	0.000631	0.00003	0.000368	0.0011	0.0002	0.0002	0.0002

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.47.b. Selenium - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	1,514	20	1.32%	0.001	0.005	0.027	0.0005	0.002	0.016	0.002	0.00875	0.03	0.005	0.005	0.005			
CA	18,069	16	0.09%	0.058	0.058	0.058				0.06	0.07	0.078	0.052	0.064	0.2	0.082	0.082	0.082
FL	5,097	410	8.04%	0.0002	0.003	0.023	0.0003	0.003	0.0317	0.0006	0.003	0.049	0.0003	0.0029	0.015	0.0002	0.002	0.0094
IL	161	6	3.73%	0.0013	0.002	0.002	0.0027	0.00295	0.0032	0.0045	0.0045	0.0045						
IN	2,984	1,818	60.92%	0.00001	0.002	0.05	0.0002	0.002	0.01	0.0001	0.002	0.015	0.0004	0.003	0.01	0.001	0.001	0.005
KY	946	254	26.85%	0.001	0.004	0.034	0.001	0.005	0.09	0.002	0.004	0.017	0.004	0.004	0.004			
MI	0		0.00%															
MT	1,403	168	11.97%	0.001	0.002	1.02	0.001	0.002	0.026	0.001	0.0015	0.002						
NE	162	45	27.78%	0.005	0.006	0.015	0.005	0.006	0.022	0.0037	0.009	0.032	0.005	0.007	0.009			
NJ	3,552	134	3.77%	0.0005	0.0042	0.112	0.0007	0.0026	0.013	0.0003	0.002	0.039	0.001	0.0022	0.022			
NM	1,854	565	30.47%	0.0011	0.0044	0.0495	0.0011	0.0022	0.0124	0.0012	0.0029	0.0081	0.0011	0.00455	0.0247	0.0011	0.00236	0.0102
OR	1,728	85	4.92%	0.001	0.004	0.0141	0.001	0.003	0.0088	0.0006	0.002	0.008	0.002	0.0055	0.008			
SC	3,636	43	1.18%	0.002	0.004	0.008	0.002	0.005	0.021	0.005	0.005	0.005						
SD	366	303	82.79%	0.0006	0.001955	0.05	0.0006	0.0014	0.013	0.0007	0.00125	0.0211	0.0006	0.00075	0.0013			
TX	5,385	698	12.96%	0.002	0.0072	0.1562	0.002	0.0044	0.074	0.0021	0.0051	0.0209	0.002	0.00515	0.0109			
VT	1,259	26	2.07%	0.0005	0.005	0.01	0.002	0.005	0.03	0.005	0.005	0.005						
All States	48,116	4,591	9.54%	0.00001	0.003	1.02	0.0002	0.003	0.09	0.0001	0.004	0.078	0.0003	0.00395	0.2	0.0002	0.002	0.082
<b>Surface Water</b>																		
AL	839	33	3.93%	0.002	0.002	0.002	0.001	0.003	0.009	0.002	0.002	0.02	0.0012	0.004	0.025	0.00041	0.0025	0.024
CA	7,166	1	0.01%													0.082	0.082	0.082
FL	91	1	1.10%										0.002	0.002	0.002			
IL	67	5	7.46%				0.001	0.00135	0.0017	0.001	0.001	0.001	0.0016	0.0016	0.0016	0.001	0.001	0.001
IN	373	230	61.66%	0.002	0.005	0.01	0.001	0.0021	0.01	0.001	0.002	0.01	0.001	0.002	0.01	0.001	0.002	0.01
KY	1,152	301	26.13%	0.001	0.004	0.049	0.001	0.004	0.018	0.001	0.004	0.023	0.001	0.0035	0.015	0.0008	0.00105	0.0018
MI	0		0.00%															
MT	260	20	7.69%	0.001	0.002	0.003	0.001	0.001	0.001	0.001	0.002	0.011				0.001	0.001	0.001
NE	26	1	3.85%													0.005	0.005	0.005
NJ	450	13	2.89%				0.001	0.001	0.001				0.002	0.003	0.006	0.0006	0.004	0.026
NM	78	26	33.33%	0.0019	0.004	0.0047	0.0012	0.0022	0.0052	0.00054	0.0021	0.0099	0.0019	0.0031	0.007			
OR	938	33	3.52%	0.001	0.003	0.008	0.001	0.003	0.007	0.001	0.005	0.005	0.0009	0.003	0.008	0.007	0.007	0.007
SC	499		0.00%															
SD	35	28	80.00%	0.0012	0.002	0.0366	0.0007	0.0037	0.0198	0.0006	0.00151	0.0064	0.0008	0.001	0.0036	0.002	0.002	0.005
TX	1,447	272	18.80%	0.0021	0.00325	0.0237	0.0022	0.0043	0.0281	0.0021	0.0045	0.0249	0.002	0.0039	0.0122	0.002	0.0036	0.0162
VT	441	4	0.91%	0.002	0.002	0.002				0.005	0.005	0.005	0.005	0.005	0.005			
All States	13,862	968	6.98%	0.001	0.003	0.049	0.0007	0.004	0.0281	0.00054	0.00395	0.0249	0.0008	0.003	0.025	0.00041	0.003	0.082

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.



**Table B.48.b. Simazine - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,104	6	0.19%				0.000861	0.000861	0.000861	0.0001	0.000284	0.000549						
CA	13,942	187	1.34%	0.00013	0.001	0.001	0.00025	0.001	0.00202	0.00017	0.00054	0.001	0.00011	0.0005	0.0019	0.00011	0.0004	0.0014
FL	4,647		0.00%															
IL	5,281	38	0.72%	0.00007	0.00013	0.0004	0.00011	0.00027	0.0019	0.00018	0.00025	0.00031	0.00007	0.00039	0.00099	0.00029	0.000565	0.00084
IN	2,857	8	0.28%	0.00007	0.00007	0.00007	0.00018	0.00037	0.00226				0.000079	0.000079	0.000079			
KY	1,019	7	0.69%	0.00004	0.00005	0.00013	0.00003	0.00006	0.00009	0.00055	0.00055	0.00055						
MI	1,278	1	0.08%	0.0005	0.0005	0.0005												
MT	398		0.00%															
NE	1,973	1	0.05%	0.00015	0.00015	0.00015												
NJ	0		0.00%															
NM	4,255		0.00%															
OR	596		0.00%															
SC	6,207		0.00%															
SD	936		0.00%															
TX	4,334	3	0.07%							0.00011	0.00012	0.00013	0.00056	0.00056	0.00056			
VT	913	1	0.11%	0.00016	0.00016	0.00016												
All States	51,740	252	0.49%	0.00004	0.00015	0.001	0.00003	0.000415	0.00226	0.0001	0.000305	0.001	0.00007	0.0005	0.0019	0.00011	0.0004	0.0014
<b>Surface Water</b>																		
AL	822	11	1.34%										0.0001	0.0002495	0.00489	0.00009	0.00009	0.00009
CA	4,941	60	1.21%							0.0005	0.0005	0.0005	0.0003	0.001	0.00137	0.00017	0.000515	0.0017
FL	79		0.00%															
IL	2,112	310	14.68%	0.00012	0.00046	0.0074	0.00007	0.00049	0.0049	0.00008	0.00032	0.0033	0.00007	0.000455	0.003	0.00007	0.00014	0.00054
IN	625	49	7.84%	0.00011	0.00011	0.00011	0.00015	0.00056	0.0021	0.000079	0.00019	0.00202	0.000075	0.000195	0.00393	0.00011	0.000195	0.00097
KY	1,073	63	5.87%	0.00005	0.00018	0.00024	0.00006	0.0002	0.008	0.00003	0.000195	0.00107	0.00003	0.0002	0.00081	0.00009	0.000145	0.0002
MI	240	11	4.58%				0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001			
MT	81		0.00%															
NE	158	7	4.43%				0.00017	0.00018837	0.00051							0.00024	0.00024	0.00024
NJ	0		0.00%															
NM	251		0.00%															
OR	425		0.00%															
SC	655	4	0.61%							0.00285	0.0049	0.00695						
SD	183		0.00%															
TX	4,496	87	1.94%	0.0001	0.00015	0.00074	0.00013	0.00023	0.00028	0.00011	0.00011	0.00018	0.00011	0.00023	0.00037	0.0001	0.00016	0.00071
VT	292		0.00%															
All States	16,433	602	3.66%	0.00005	0.00017	0.0074	0.00006	0.000435	0.008	0.00003	0.00022	0.00695	0.00003	0.00038	0.00489	0.00007	0.00025	0.0017

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.49.b. Styrene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,119	7	0.14%				0.00094	0.003275	0.00561	0.00051	0.002385	0.00426				0.0005	0.0024	0.0031
CA	31,222	8	0.03%				0.0006	0.0006	0.0006				0.00056	0.00175	0.00287	0.007	0.007	0.007
FL	18,430	22	0.12%	0.00001	0.0007	0.00216	0.0005	0.00103	0.00463	0.0007	0.0007	0.0016	0.001	0.001	0.001	0.0011	0.0011	0.0011
IL	23,503	71	0.30%	0.0005	0.00065	0.0029	0.0005	0.00065	0.0086	0.0005	0.0005	0.0023	0.000173	0.0003365	0.0005	0.00003	0.000715	0.0014
IN	3,795	38	1.00%	0.0006	0.00295	0.0366	0.0008	0.0011	0.002	0.0006	0.00085	0.0011						
KY	1,146	2	0.17%	0.0006	0.0013	0.002												
MI	4,171	43	1.03%	0.0005	0.0006	0.0035	0.0005	0.0005	0.004									
MT	3,331		0.00%															
NE	4,766	15	0.31%	0.0004	0.001	0.0017	0.0004	0.0004	0.0004	0.0019	0.0019	0.0019	0.0004	0.0008	0.0034	0.00183	0.00183	0.00183
NJ	10,044	16	0.16%	0.000188	0.001159	0.0078	0.0002	0.00035	0.0005	0.00193	0.00193	0.00193						
NM	5,248		0.00%															
OR	646		0.00%															
SC	8,328	1	0.01%				0.0005	0.0005	0.0005									
SD	683		0.00%															
TX	23,193	24	0.10%	0.00037	0.001	0.033	0.0006	0.0007	0.0026	0.0006	0.001	0.027	0.0007	0.0007	0.0007			
VT	3,676	1	0.03%	0.0005	0.0005	0.0005												
All States	147,301	248	0.17%	0.00001	0.0008	0.0366	0.0002	0.0007	0.0086	0.0005	0.0007	0.027	0.000173	0.001	0.0034	0.00003	0.001615	0.007
<b>Surface Water</b>																		
AL	2,295	2	0.09%										0.0006	0.0006	0.0006	0.0007	0.0007	0.0007
CA	9,948	6	0.06%													0.0009	0.00135	0.0044
FL	135		0.00%															
IL	2,798	19	0.68%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0014	0.0005	0.0005	0.0015	0.0005	0.0005	0.0031
IN	528	2	0.38%	0.0016	0.0016	0.0016							0.0008	0.0008	0.0008			
KY	1,151		0.00%															
MI	511	4	0.78%	0.0008	0.0008	0.0008							0.0005	0.0006	0.001			
MT	391		0.00%															
NE	154		0.00%															
NJ	671	1	0.15%										0.000044	0.000044	0.000044			
NM	209		0.00%															
OR	450	1	0.22%							0.0027	0.0027	0.0027						
SC	1,091		0.00%															
SD	70		0.00%															
TX	6,183	6	0.10%	0.0005	0.000705	0.027	0.0051	0.0051	0.0051							0.016	0.016	0.016
VT	764	6	0.79%	0.0002	0.003	0.0056							0.0005	0.0005	0.0005			
All States	27,349	47	0.17%	0.0002	0.0016	0.027	0.0005	0.0028	0.0051	0.0005	0.0005	0.0027	0.000044	0.00055	0.0015	0.0005	0.0008	0.016

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.50.b. Tetrachloroethylene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,120	137	2.68%	0.00065	0.00115	0.0016	0.0001	0.00133	0.0063	0.0005	0.00187	0.00877	0.0005	0.0015	0.017	0.0011	0.0013	0.0015
CA	49,815	9,256	18.58%	0.00053	0.00245	0.087	0.00051	0.0018	0.21	0.00051	0.0022	0.2	0.00051	0.002	1.2	0.00051	0.0021	2.4
FL	18,663	410	2.20%	0.000019	0.00089	0.03	0.00019	0.000443	0.00079	0.0012	0.0016	0.0018	0.0000004	0.001	0.0121	0.00006	0.001185	0.0927
IL	23,690	369	1.56%	0.0005	0.002	0.011	0.0005	0.0009	0.035	0.0005	0.0007	0.0043	0.000202	0.0012	0.013	0.00004	0.0017	0.0062
IN	3,859	100	2.59%	0.0005	0.0008	0.0044	0.00059	0.00145	0.026	0.0011	0.0023	0.004	0.0013	0.0056	0.0058	0.0005	0.00106	0.0031
KY	1,146	22	1.92%	0.0005	0.003	0.03	0.001	0.00134	0.003									
MI	2,013	71	3.53%	0.0004	0.0008	0.0089	0.0004	0.0014	0.0241	0.0004	0.0006	0.0009				0.0009	0.00095	0.001
MT	3,335	121	3.63%	0.00054	0.0013	0.0076	0.0000012	0.0000012	0.0000012	0.0000019	0.00056	0.00094	0.0001	0.0015	0.0043			
NE	3,855	78	2.02%	0.0004	0.0008	0.0051	0.0005	0.0035	0.0135	0.0004	0.0007	0.0031	0.0003	0.0008	0.032			
NJ	11,150	884	7.93%	0.00016	0.00085	0.199	0.000115	0.000903	0.0277	0.00012	0.0016	0.0521	0.00016	0.00178	0.06	0.00013	0.001125	0.0235
NM	5,537	180	3.25%	0.0001	0.0012	0.0028	0.00085	0.0014	0.0019				0.0001	0.00083	0.0038	0.00001	0.0008	0.0064
OR	699	64	9.16%	0.0004	0.00135	0.07	0.0007	0.0012	0.002									
SC	7,817	271	3.47%	0.00051	0.00185	0.0787	0.0005	0.00088	0.00748	0.00058	0.00263	0.0263	0.00056	0.00157	0.0263	0.00084	0.00697	0.0378
SD	495	6	1.21%	0.000563	0.0015615	0.0024												
TX	19,146	137	0.72%	0.0005	0.0011	0.137	0.00011	0.00075	0.0061	0.0016	0.0018	0.002	0.0006	0.0006	0.0006	0.00034	0.00065	0.002
VT	2,958	78	2.64%	0.0003	0.0011	0.009	0.0005	0.0013	0.0067									
All States	159,298	12,184	7.65%	0.000019	0.001385	0.199	0.0000012	0.0014	0.21	0.0000019	0.0019	0.2	0.0000004	0.00197	1.2	0.00001	0.0019	2.4
<b>Surface Water</b>																		
AL	2,343	207	8.83%										0.0001	0.0028	0.0365	0.00053	0.00165	0.0581
CA	19,944	6,203	31.10%	0.0006	0.0007	0.0016	0.00053	0.00082	0.065	0.0007	0.0012	0.0018	0.00051	0.0031	0.2	0.00051	0.0021	0.097
FL	136		0.00%															
IL	2,813	24	0.85%				0.0005	0.0005	0.0005	0.00031	0.0005	0.0013	0.0005	0.00075	0.002	0.0005	0.0005	0.002
IN	526	4	0.76%															
KY	1,179	2	0.17%	0.001	0.001	0.001	0.002	0.003	0.003				0.002	0.002	0.002			
MI	437		0.00%															
MT	391	6	1.53%										0.00049	0.000975	0.0015			
NE	95		0.00%															
NJ	788	21	2.66%							0.0009	0.0009	0.0009	0.000037	0.00081	0.0017	0.00021	0.0007	0.0039
NM	347	2	0.58%				0.0006	0.0008	0.001									
OR	459	17	3.70%	0.0003	0.0017	0.0195	0.0005	0.0007	0.0028							0.0009	0.0009	0.0009
SC	963	31	3.22%				0.00452	0.00452	0.00452				0.00069	0.00211	0.00677			
SD	55		0.00%															
TX	4,777	4	0.08%	0.0011	0.0011	0.0011	0.0006	0.0006	0.0006							0.0005	0.0005	0.0005
VT	667	4	0.60%				0.0009	0.001	0.0011				0.0005	0.0005	0.0005	0.0006	0.0006	0.0006
All States	35,920	6,525	18.17%	0.0003	0.00155	0.0195	0.0005	0.00084	0.065	0.00031	0.0011	0.0018	0.000037	0.003	0.2	0.00021	0.0021	0.097

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.51.b. Thallium - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	686	3	0.44%				0.002	0.002	0.002				0.002	0.002	0.002			
CA	6,979		0.00%															
FL	5,287	289	5.47%	0.0001	0.0016	1.5	0.0002	0.0017	0.032	0.0006	0.0024	0.086	0.001	0.002	0.013	0.0001	0.001	0.02
IL	163	2	1.23%				0.0012	0.00355	0.0059									
IN	2,891	83	2.87%	0.0001	0.0005	0.004	0.0001	0.0005	0.005	0.0005	0.0005	0.5				0.0005	0.0005	0.0005
KY	911	108	11.86%	0.001	0.001	0.218	0.001	0.001	0.02	0.001	0.0014	0.0018						
MI	3,762	8	0.21%	0.0001	0.0003	0.0035	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0008	0.0008	0.0008			
MT	1,000	5	0.50%	0.001	0.0015	0.002	0.002	0.002	0.002	0.002	0.002	0.002						
NE	980	4	0.41%				0.0001	0.0001	0.0001	0.001	0.001	0.001				0.001	0.001	0.001
NJ	3,463	100	2.89%	0.0002	0.002	0.21	0.0001	0.0011	0.004	0.00075	0.0025	0.019	0.001	0.0011	0.007	0.001	0.001	0.001
NM	1,732	158	9.12%	0.00004	0.00019	0.002	0.00004	0.0001	0.0025	0.00009	0.0001	0.00014	0.00004	0.000095	0.0011	0.000039	0.00005	0.00019
OR	614	6	0.98%	0.0006	0.001	0.0069				0.002	0.002	0.002						
SC	3,234	5	0.15%	0.003	0.003	0.003	0.003	0.0145	0.026									
SD	255	26	10.20%	0.00011	0.00091	0.006	0.00019	0.000345	0.0005									
TX	5,384	108	2.01%	0.0008	0.0012	0.0028				0.001	0.00105	0.003						
VT	890	2	0.22%	0.001	0.001	0.001												
All States	38,231	907	2.37%	0.00004	0.001	1.5	0.00004	0.001	0.032	0.00009	0.0018	0.5	0.00004	0.001	0.013	0.000039	0.0007	0.02
<b>Surface Water</b>																		
AL	513	4	0.78%	0.001	0.001	0.001							0.001	0.001	0.001	0.002	0.0025	0.003
CA	2,826		0.00%															
FL	92	1	1.09%													0.004	0.004	0.004
IL	67		0.00%															
IN	369	12	3.25%				0.0008	0.0015	0.005	0.0005	0.0005	0.0005	0.0001	0.0001	0.0005	0.0001	0.0006	0.0011
KY	1,039	87	8.37%	0.001	0.001	0.027	0.0007	0.001	0.005	0.0007	0.001	0.005	0.0001	0.001	0.005	0.0016	0.00205	0.0025
MI	279		0.00%															
MT	252	4	1.59%				0.002	0.002	0.002	0.001	0.0015	0.002						
NE	55		0.00%															
NJ	433	6	1.39%										0.001	0.001	0.001	0.001	0.002	0.002
NM	134	8	5.97%	0.00011	0.00011	0.00011	0.00036	0.00047	0.00058	0.00004	0.0002	0.00035						
OR	530	3	0.57%	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004				0.001	0.001	0.001			
SC	425		0.00%															
SD	5	1	20.00%	0.0009	0.0009	0.0009												
TX	1,395	26	1.86%	0.0008	0.001	0.0012	0.0008	0.0011	0.0012	0.001	0.0011	0.0032	0.0009	0.00095	0.001	0.0008	0.00105	0.0012
VT	314	1	0.32%				0.001	0.001	0.001									
All States	8,728	153	1.75%	0.00011	0.001	0.027	0.00036	0.001	0.005	0.00004	0.001	0.005	0.0001	0.001	0.005	0.0001	0.0012	0.004

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.52.b. Toluene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,130	91	1.77%	0.001	0.00255	0.02	0.0005	0.0021	0.139	0.0005	0.001595	0.008	0.0005	0.0012	0.0177	0.0007	0.0014	0.0017
CA	38,611	115	0.30%	0.00055	0.0018	0.0472	0.00058	0.001	0.11	0.0007	0.018	0.48	0.00051	0.0015	0.022	0.00056	0.00314	0.0272
FL	18,637	145	0.78%	0.00001	0.001	0.01	0.000521	0.00108	0.0611	0.00072	0.00125	0.00425	0.00011	0.00104	0.03	0.00041	0.00113	0.123
IL	23,627	158	0.67%	0.0005	0.0009	0.016	0.0005	0.0007	0.059	0.0005	0.00058	0.027	0.000069	0.00135	0.012	0.00063	0.000785	0.003
IN	3,869	93	2.40%	0.0005	0.0013	0.0353	0.00068	0.00215	0.022	0.0007	0.0034	0.0061	0.0006	0.001195	0.0052	0.0013	0.0013	0.0013
KY	1,164	27	2.32%	0.00056	0.001	0.089	0.00053	0.00239	0.008	0.00064	0.00064	0.00064						
MI	4,181	90	2.15%	0.0005	0.00085	0.009	0.0005	0.00075	0.0227	0.0005	0.00175	0.0048	0.0005	0.0006	0.0007			
MT	3,322	21	0.63%	0.00053	0.00145	0.027	0.00072	0.0013	0.002									
NE	4,766	59	1.24%	0.0002	0.0015	0.417	0.0002	0.00049	0.003	0.0003	0.00045	0.001	0.0002	0.00064	0.0029			
NJ	10,067	132	1.31%	0.0001	0.0009205	0.0085	0.0001	0.00046	0.0014	0.00008	0.0009	0.00866	0.00013	0.0009	0.00672	0.00347	0.010735	0.018
NM	5,242	33	0.63%	0.0006	0.0014	0.15	0.0012	0.00215	0.0031				0.0008	0.00135	0.0031	0.0022	0.0022	0.0022
OR	663	17	2.56%	0.0005	0.0007	0.0277	0.0005	0.00095	0.0014				0.0006	0.0006	0.0006			
SC	8,323	99	1.19%	0.00051	0.00106	0.00574	0.0005	0.00182	0.00949	0.00064	0.00064	0.00064						
SD	683	8	1.17%	0.0006	0.00075	0.00122	0.0006	0.0006	0.011944									
TX	23,193	390	1.68%	0.00038	0.0015	0.41649	0.00013	0.00142	0.13751	0.00025	0.0011	0.041	0.0005	0.001	0.013	0.0006	0.0006	0.0006
VT	3,681	72	1.96%	0.0002	0.00145	0.0717	0.0005	0.0019	0.9									
All States	155,159	1,550	1.00%	0.00001	0.0011	0.417	0.0001	0.0012	0.9	0.00008	0.0012	0.48	0.000069	0.0011	0.03	0.00041	0.0013	0.123
<b>Surface Water</b>																		
AL	2,304	43	1.87%	0.0008	0.0012	0.0018	0.00094	0.0021	0.005	0.00056	0.00286	0.0313	0.0005	0.00105	0.0084	0.0005	0.00265	0.0132
CA	11,697	31	0.27%							0.0008	0.00205	0.0027	0.0017	0.0026	0.0103	0.00059	0.0013	0.0313
FL	135		0.00%															
IL	2,811	53	1.89%				0.0005	0.0016	0.002	0.0005	0.0006	0.0015	0.0003	0.00093	0.004	0.00043	0.0005	0.0014
IN	527	1	0.19%	0.0005	0.0005	0.0005												
KY	1,238	21	1.70%	0.00052	0.00076	0.001	0.00056	0.00114	0.00429	0.00053	0.0007	0.00411	0.00057	0.0008	0.165	0.0009	0.0009	0.0009
MI	508	7	1.38%	0.0005	0.0005	0.0005	0.001	0.00175	0.0047				0.0005	0.00065	0.0008			
MT	385	7	1.82%				0.00057	0.00057	0.00057	0.0014	0.0014	0.0014	0.00082	0.0014	0.002			
NE	154		0.00%															
NJ	671	5	0.75%				0.0002	0.0002	0.0002				0.00005	0.00005	0.00005	0.0006	0.0008	0.0009
NM	208	1	0.48%													0.00265	0.00265	0.00265
OR	451	5	1.11%				0.0005	0.0026	0.004									
SC	1,092	8	0.73%				0.00056	0.00056	0.0025	0.00084	0.00084	0.00084	0.00082	0.00082	0.00082	0.00056	0.001255	0.00195
SD	70		0.00%															
TX	6,183	110	1.78%	0.0005	0.00159	0.0313	0.0005	0.0012	0.0077	0.0005	0.0007	0.0024	0.00047	0.0008	0.033	0.0005	0.0008	0.0074
VT	765	10	1.31%				0.0005	0.0006	0.0016				0.0005	0.0007	0.0016			
All States	29,199	302	1.03%	0.0005	0.0014	0.0313	0.0002	0.001185	0.0077	0.0005	0.00075	0.0313	0.00005	0.0009	0.165	0.00043	0.00086	0.0313

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.53.b. Toxaphene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	0		0.00%															
CA	9,581	6	0.06%	0.0005	0.0005	0.0005	0.001	0.001	0.001				0.0005	0.00125	0.002			
FL	4,724		0.00%															
IL	4,822		0.00%															
IN	2,821		0.00%															
KY	1,494		0.00%															
MI	1,250		0.00%															
MT	1,613		0.00%															
NE	260		0.00%															
NJ	50		0.00%															
NM	4,265		0.00%															
OR	631		0.00%															
SC	4,797		0.00%															
SD	766		0.00%															
TX	3,555		0.00%															
VT	887		0.00%															
All States	41,516	6	0.01%	0.0005	0.0005	0.0005	0.001	0.001	0.001				0.0005	0.00125	0.002			
<b>Surface Water</b>																		
AL	0		0.00%															
CA	3,644	5	0.14%													0.0005	0.001	0.005
FL	77		0.00%															
IL	1,488		0.00%															
IN	525		0.00%															
KY	1,615	2	0.12%	0.003	0.003	0.003				0.002	0.002	0.002						
MI	167		0.00%															
MT	249		0.00%															
NE	26		0.00%															
NJ	15		0.00%															
NM	264		0.00%															
OR	596		0.00%															
SC	561		0.00%															
SD	161		0.00%															
TX	1,180		0.00%															
VT	345		0.00%															
All States	10,913	7	0.06%	0.003	0.003	0.003				0.002	0.002	0.002				0.0005	0.001	0.005

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.54.b. 2,4,5-TP - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	3,131	22	0.70%	0.00016	0.00016	0.00016	0.00007	0.0009025	0.001623	0.00004	0.0001	0.000962	0.00006	0.0002445	0.001224			
CA	8,689	5	0.06%	0.001	0.001	0.001	0.0002	0.0002	0.001				0.0002	0.0002	0.0002			
FL	4,630	1	0.02%	0.0000005	0.0000005	0.0000005												
IL	4,750		0.00%															
IN	2,838	3	0.11%							0.00028	0.00064	0.001				0.00021	0.00021	0.00021
KY	1,492		0.00%															
MI	2,800		0.00%															
MT	1,648		0.00%															
NE	632		0.00%															
NJ	54		0.00%															
NM	4,060	21	0.52%	0.0017	0.0017	0.0017	0.0032	0.0032	0.0032	0.0031	0.0064	0.0105	0.0017	0.00205	0.0024			
OR	626		0.00%															
SC	4,983	8	0.16%				0.00004	0.00004	0.00004				0.00013	0.0004	0.0004			
SD	867		0.00%															
TX	3,469		0.00%															
VT	1,006	1	0.10%	0.000054	0.000054	0.000054												
All States	45,675	61	0.13%	0.0000005	0.00016	0.0017	0.00004	0.0009025	0.0032	0.00004	0.0031	0.0105	0.00006	0.0004	0.0024	0.00021	0.00021	0.00021
<b>Surface Water</b>																		
AL	914	23	2.52%	0.00023	0.00023	0.00023	0.00006	0.00006	0.0003	0.0003	0.0003	0.0003	0.00004	0.000129	0.000574	0.00005	0.00006	0.00009
CA	3,275	5	0.15%							0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.01
FL	78		0.00%															
IL	1,468	1	0.07%				0.00021	0.00021	0.00021									
IN	544	5	0.92%	0.00015	0.000245	0.00034	0.00029	0.00029	0.00029	0.00816	0.00816	0.00816	0.0009	0.0009	0.0009			
KY	1,628	2	0.12%	0.0005	0.0005	0.0005				0.00007	0.00007	0.00007						
MI	175		0.00%															
MT	227		0.00%															
NE	34		0.00%															
NJ	13		0.00%															
NM	155		0.00%															
OR	603		0.00%															
SC	658		0.00%															
SD	183		0.00%															
TX	2,263		0.00%															
VT	353		0.00%															
All States	12,571	36	0.29%	0.00015	0.000285	0.0005	0.00006	0.00021	0.0003	0.00007	0.00065	0.00816	0.00004	0.00018	0.001	0.00005	0.00008	0.01

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.55.b. 1,2,4-Trichlorobenzene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,119	14	0.27%				0.0005	0.0009	0.0041	0.0005	0.000643	0.0007	0.0006	0.002	0.0048			
CA	31,171	7	0.02%	0.0012	0.0012	0.0012				0.011	0.0145	0.021	0.00058	0.00058	0.00058	0.007	0.007	0.007
FL	18,436	46	0.25%	0.00002	0.000694	0.0014	0.0008	0.00348	0.0043	0.00082	0.00082	0.00082	0.001	0.001	0.0015	0.000381	0.00135	0.00928
IL	20,798	30	0.14%	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0007	0.000246	0.0005	0.0009			
IN	3,762	6	0.16%	0.0005	0.00081	0.0014				0.00072	0.00072	0.00072						
KY	1,147	1	0.09%	0.0006	0.0006	0.0006												
MI	4,155		0.00%															
MT	0		0.00%															
NE	4,769		0.00%															
NJ	10,557	66	0.63%	0.0003	0.00066	0.00066	0.0002	0.00066	0.001326	0.00066	0.00066	0.00066	0.00066	0.00066	0.00093	0.0006	0.00066	0.00066
NM	5,248		0.00%															
OR	647		0.00%															
SC	8,318	2	0.02%	0.00056	0.00056	0.00056	0.0005	0.0005	0.0005									
SD	683	1	0.15%				0.000663	0.000663	0.000663									
TX	23,193	16	0.07%	0.0005	0.0006	0.00075	0.0006	0.0007	0.00274	0.0005	0.0007	0.00282	0.0017	0.0017	0.0017			
VT	3,251	2	0.06%	0.0005	0.0031	0.0057												
All States	141,254	191	0.14%	0.00002	0.00066	0.0057	0.0002	0.00066	0.0043	0.0005	0.0006	0.021	0.000246	0.00066	0.0048	0.000381	0.0009055	0.00928
<b>Surface Water</b>																		
AL	2,295	4	0.17%										0.000889	0.000889	0.000889	0.000785	0.0008	0.0018
CA	9,881		0.00%															
FL	136		0.00%															
IL	2,277	16	0.70%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.003
IN	527	1	0.19%				0.00071	0.00071	0.00071									
KY	1,153		0.00%															
MI	506		0.00%															
MT	0		0.00%															
NE	155		0.00%															
NJ	732		0.00%															
NM	209		0.00%															
OR	448		0.00%															
SC	1,091		0.00%															
SD	70		0.00%															
TX	6,183	2	0.03%	0.0008	0.0008	0.0008							0.00066	0.00066	0.00066			
VT	629	1	0.16%										0.00005	0.00005	0.00005			
All States	26,292	24	0.09%	0.0008	0.0008	0.0008	0.0005	0.000605	0.00071	0.0005	0.0005	0.0005	0.00005	0.0005	0.000889	0.0005	0.0005	0.003

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.



**Table B.56.b. 1,1,1-Trichloroethane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,148	77	1.50%				0.0006	0.003025	0.0112	0.0006	0.00157	0.01	0.0005	0.00185	0.0341	0.0008	0.0008	0.0008
CA	39,796	984	2.47%	0.0006	0.0011	0.2022	0.0006	0.0015	0.00273	0.00051	0.000855	0.057	0.00055	0.00235	0.4617	0.00051	0.0014	0.0971
FL	18,576	31	0.17%	0.00003	0.00096	0.00305	0.00013	0.0006	0.001	0.0005	0.0005	0.0005	0.0003	0.00084	0.005	0.0000435	0.00056175	0.00108
IL	23,732	450	1.90%	0.0005	0.0012	0.037	0.00022	0.0022	0.077	0.0004	0.001	0.012	0.000288	0.001	0.013	0.0005	0.0046	0.031
IN	3,862	104	2.69%	0.0005	0.0012	0.056	0.00056	0.0043	0.0069	0.0005	0.0011	0.0015	0.0005	0.0059	0.0155	0.0007	0.00285	0.011
KY	1,589	16	1.01%	0.0006	0.0025	0.012	0.001	0.001	0.001									
MI	4,169	58	1.39%	0.0004	0.0008	0.0265	0.0004	0.0005	0.0008	0.0004	0.00045	0.0008	0.0006	0.0023	0.0024			
MT	3,334	24	0.72%	0.0005	0.0021	0.029	0.0007	0.0022	0.0024	0.000001	0.0006005	0.0012						
NE	4,769	67	1.40%	0.0004	0.0097	0.0769	0.0003	0.00084	0.00394	0.0003	0.001945	0.0037	0.0002	0.0006	0.00404			
NJ	10,982	811	7.38%	0.000016	0.0015	0.042	0.000083	0.0007	0.01	0.00013	0.0012	0.00986	0.00014	0.00127	0.0417	0.00012	0.000425	0.002
NM	5,250	13	0.25%	0.00053	0.00096	0.0027	0.001	0.001	0.001				0.0001	0.00066	0.0007	0.0001	0.00075	0.0014
OR	1,919	29	1.51%	0.0001	0.0013	0.1169	0.0008	0.0026	0.0044	0.0006	0.0006	0.0006	0.0014	0.0014	0.0014			
SC	8,828	107	1.21%	0.0005	0.000815	0.0208	0.00002	0.00073	0.00228	0.0005	0.000785	0.00228						
SD	683	3	0.44%	0.00216	0.00908	0.016	0.00051	0.00051	0.00051									
TX	23,193	22	0.09%	0.0006	0.001955	0.011	0.0005	0.0015	0.0037									
VT	3,678	28	0.76%	0.0005	0.0028	0.0045	0.0008	0.0008	0.0008									
All States	159,508	2,824	1.77%	0.000016	0.0013	0.2022	0.00002	0.001	0.077	0.000001	0.0011	0.057	0.0001	0.0016	0.4617	0.0000435	0.0014	0.0971
<b>Surface Water</b>																		
AL	2,313	28	1.21%	0.00279	0.003195	0.0036	0.0094	0.0094	0.0094	0.00077	0.00097	0.006	0.0007	0.00466	0.018	0.0005	0.00105	0.0202
CA	13,356	813	6.09%	0.0009	0.0009	0.0009	0.0072	0.0072	0.0072	0.0006	0.0006	0.0006	0.00059	0.001	0.013	0.00052	0.0018	0.073
FL	136		0.00%															
IL	2,816	31	1.10%				0.0005	0.0006	0.0007	0.0005	0.0005	0.002	0.0005	0.0006	0.0006	0.0005	0.0005	0.014
IN	528	2	0.38%													0.00053	0.000715	0.0009
KY	1,704	8	0.47%				0.0017	0.00228	0.0032	0.003	0.003	0.003	0.0019	0.00195	0.002			
MI	507	2	0.39%				0.0004	0.0004	0.0004				0.0006	0.0006	0.0006			
MT	391		0.00%															
NE	155	5	3.23%	0.0004	0.00155	0.0032				0.0011	0.0011	0.0011						
NJ	764	29	3.80%							0.001	0.0016	0.0022				0.0001	0.0006	0.0017
NM	210	1	0.48%				0.0009	0.0009	0.0009									
OR	925	4	0.43%				0.001	0.001	0.002	0.0007	0.0007	0.0007						
SC	1,147	17	1.48%	0.00056	0.00121	0.00186	0.00073	0.00073	0.00073	0.00058	0.001335	0.00228	0.00059	0.0018	0.0079			
SD	70		0.00%															
TX	6,183	2	0.03%										0.0006	0.0006	0.0006	0.0016	0.0016	0.0016
VT	763	2	0.26%	0.0007	0.0007	0.0007							0.0005	0.0005	0.0005			
All States	31,968	944	2.95%	0.0004	0.00155	0.0036	0.0004	0.00135	0.0094	0.0005	0.000655	0.006	0.0005	0.001	0.018	0.0001	0.0017	0.073

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.57.b. 1,1,2-Trichloroethane - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,117	4	0.08%				0.0009	0.001	0.0011	0.00636	0.00636	0.00636	0.00062	0.00062	0.00062			
CA	38,672	17	0.04%	0.0011	0.00215	0.0032	0.0012	0.0012	0.0012	0.0006	0.0006	0.0006	0.0006	0.0063	0.009	0.0007	0.0043	0.007
FL	18,523	15	0.08%	0.00003	0.0028	0.013							0.0007	0.0012	0.0044	0.00009	0.00052	0.00095
IL	23,525	34	0.14%	0.0005	0.0005	0.0056	0.0005	0.0005	0.0005	0.0002	0.0005	0.0008	0.000258	0.00055	0.0017	0.00015	0.00015	0.00015
IN	3,755		0.00%															
KY	1,144		0.00%															
MI	1,967	1	0.05%	0.0007	0.0007	0.0007												
MT	3,334	1	0.03%	0.0005	0.0005	0.0005												
NE	3,857	2	0.05%										0.0014	0.00195	0.0025			
NJ	10,069	59	0.59%	0.00018	0.00059	0.0099	0.0005	0.00059	0.0048				0.00039	0.00059	0.00132	0.00059	0.00059	0.00059
NM	5,503	2	0.04%							0.0003	0.0003	0.0003	0.0002	0.0002	0.0002			
OR	647	1	0.15%	0.0005	0.0005	0.0005												
SC	7,799	1	0.01%				0.0005	0.0005	0.0005									
SD	495		0.00%															
TX	19,196		0.00%															
VT	2,930	1	0.03%	0.0005	0.0005	0.0005												
All States	146,533	138	0.09%	0.00003	0.00059	0.013	0.0005	0.00059	0.0048	0.0002	0.0005	0.00636	0.0002	0.00059	0.009	0.00009	0.001025	0.007
<b>Surface Water</b>																		
AL	2,296	45	1.96%	0.0012	0.0012	0.0012	0.00053	0.00053	0.00053	0.00051	0.00117	0.0037	0.0007	0.00107	0.0046	0.00054	0.00099	0.0034
CA	11,945	43	0.36%	0.00061	0.00061	0.00061				0.000946	0.000946	0.000946				0.0006	0.0012	0.0081
FL	125		0.00%															
IL	2,798	18	0.64%				0.0005	0.0005	0.0005	0.0005	0.0005	0.00078	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
IN	526		0.00%															
KY	1,154		0.00%															
MI	437		0.00%															
MT	391		0.00%															
NE	64		0.00%															
NJ	670	2	0.30%							0.0013	0.0013	0.0013	0.000056	0.000056	0.000056			
NM	344		0.00%															
OR	455	7	1.54%				0.0005	0.0007	0.0011	0.0005	0.00065	0.0008	0.001	0.001	0.001			
SC	957		0.00%															
SD	54		0.00%															
TX	4,606	2	0.04%	0.0007	0.0007	0.0007	0.0009	0.0009	0.0009									
VT	551	1	0.18%										0.0005	0.0005	0.0005			
All States	27,373	118	0.43%	0.00061	0.0007	0.0012	0.0005	0.0007	0.0011	0.0005	0.000745	0.0037	0.000056	0.00094	0.0046	0.0005	0.001	0.0081

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.58.b. Trichloroethylene - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,151	81	1.57%	0.0008	0.0012	0.0016	0.0005	0.00102	0.0067	0.0005	0.0009	0.0052	0.00052	0.0007	0.002	0.0005	0.0005	0.0005
CA	51,708	9,334	18.05%	0.00054	0.0027	0.014	0.00054	0.0015	0.005	0.00051	0.0014	0.41	0.00051	0.0028	1.062	0.00051	0.0025	7.5
FL	18,904	484	2.56%	0.00001	0.0015	0.01	0.002	0.002	0.00689	0.000142	0.0006	0.0015	0.000001	0.00168	0.064	0.00006	0.0021	0.0886
IL	23,744	476	2.00%	0.0005	0.0043	0.023	0.0005	0.0009	0.023	0.0002	0.0021	0.021	0.000221	0.001	0.019	0.0005	0.0021	0.0087
IN	3,908	148	3.79%	0.0005	0.00335	0.076	0.0005	0.0013	0.004	0.0012	0.0035	0.006	0.0005	0.0009	0.0029	0.0005	0.00126	0.0046
KY	1,593	47	2.95%	0.001	0.0015	0.002	0.0005	0.002	0.013	0.0002	0.0017	0.003						
MI	2,069	125	6.04%	0.0009	0.0009	0.0009	0.0004	0.001	0.0045	0.0004	0.001	0.0149	0.0004	0.0007	0.0027	0.0009	0.001	0.0011
MT	3,333	8	0.24%	0.00091	0.001	0.0023							0.0012	0.0012	0.0012			
NE	3,855	127	3.29%	0.0001	0.001	0.0953	0.0002	0.0003	0.0008	0.0002	0.02025	0.186	0.0002	0.003	0.009			
NJ	11,122	792	7.12%	0.00012	0.001	0.14	0.00018	0.001594	0.0624	0.00014	0.0015	0.0209	0.00012	0.0011	0.116	0.00012	0.00073	0.0073
NM	5,531	59	1.07%	0.0024	0.0024	0.0024	0.001	0.00185	0.0036	0.0002	0.0013	0.00374	0.0001	0.0016	0.005	0.00001	0.000355	0.0007
OR	1,932	65	3.36%	0.0002	0.0017	0.0272												
SC	8,323	221	2.66%	0.0005	0.0012	0.069	0.00001	0.000995	0.00846	0.0005	0.00305	0.0086	0.00051	0.0008	0.00658	0.00119	0.00459	0.00846
SD	495	3	0.61%				0.002202	0.002202	0.01423									
TX	19,146	40	0.21%	0.00044	0.0006	0.151	0.0005	0.0008	0.0013	0.00043	0.0007	0.0014						
VT	2,972	71	2.39%	0.0005	0.0008	0.058	0.0005	0.002	0.7									
All States	163,786	12,081	7.38%	0.00001	0.0018	0.151	0.00001	0.0013	0.7	0.00014	0.00158	0.41	0.000001	0.0025	1.062	0.00001	0.0023	7.5
<b>Surface Water</b>																		
AL	2,375	165	6.95%	0.0005	0.0005	0.0005				0.001	0.0013	0.0016	0.0005	0.0009	0.006	0.0005	0.002	0.011
CA	20,417	6,994	34.26%							0.0006	0.0008	0.0034	0.00052	0.0017	0.0883	0.00051	0.0027	0.47
FL	136		0.00%															
IL	2,814	24	0.85%				0.0005	0.0005	0.0005	0.0005	0.0005	0.00075	0.0005	0.0005	0.00075	0.00035	0.0005	0.0019
IN	527	1	0.19%													0.0005	0.0005	0.0005
KY	1,702	13	0.76%	0.001	0.0015	0.002							0.0005	0.0007	0.001			
MI	437		0.00%															
MT	391		0.00%															
NE	95		0.00%															
NJ	763	38	4.98%							0.0004	0.0004	0.0004	0.0006	0.00097	0.0023	0.0001	0.0006	0.0014
NM	345	5	1.45%				0.0006	0.0006	0.0015									
OR	925	6	0.65%	0.0002	0.0005	0.0006	0.0007	0.00085	0.001									
SC	1,003	24	2.39%										0.00062	0.00125	0.0859			
SD	55		0.00%															
TX	4,777		0.00%															
VT	666	1	0.15%										0.0005	0.0005	0.0005			
All States	37,428	7,271	19.43%	0.0002	0.0005	0.002	0.0005	0.0006	0.0015	0.0004	0.0006	0.0034	0.0005	0.0016	0.0883	0.0001	0.0027	0.47

Note: All results are expressed in mg/L.  
\* Blank cells indicate that there were no analytical detections for that State.

**Table B.59.b. Vinyl Chloride - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,117	7	0.14%	0.0007	0.0007	0.0009	0.00053	0.00109	0.002									
CA	38,299	8	0.02%	0.0021	0.00225	0.0024				0.0007	0.0007	0.0007	0.023	0.023	0.023	0.0016	0.00475	0.0127
FL	19,021	243	1.28%	0.00004	0.00104	0.00661	0.0013	0.0013	0.0013	0.0007	0.001	0.001	0.000185	0.00197	0.71	0.00021	0.006955	0.0598
IL	23,526	68	0.29%	0.0005	0.0005	0.0016	0.0005	0.0008	0.0035	0.0005	0.0009	0.0067	0.000304	0.00065	0.001	0.00028	0.00028	0.00028
IN	3,764	8	0.21%				0.001	0.001	0.001	0.0049	0.0049	0.0049	0.0005	0.00095	0.0017	0.00099	0.001275	0.00156
KY	1,566	5	0.32%	0.001	0.001	0.00145	0.002	0.002	0.002									
MI	4,161	5	0.12%										0.0005	0.0007	0.0009			
MT	3,333		0.00%															
NE	4,766		0.00%															
NJ	10,767	11	0.10%	0.000213	0.00068	0.0014	0.0005	0.00065	0.0008									
NM	5,248	1	0.02%										0.0007	0.0007	0.0007			
OR	1,917		0.00%															
SC	8,831	4	0.05%	0.0005	0.0005	0.0005	0.00024	0.00033	0.0005									
SD	683	1	0.15%				0.000612	0.000612	0.000612									
TX	23,193	14	0.06%	0.00052	0.0007	0.00288	0.0005	0.0011	0.0016	0.0005	0.00056	0.00159						
VT	3,251	3	0.09%	0.0005	0.0023	0.0051												
All States	157,443	378	0.24%	0.00004	0.0007	0.00661	0.00024	0.0008	0.0035	0.0005	0.001	0.0067	0.000185	0.00158	0.71	0.00021	0.005685	0.0598
<b>Surface Water</b>																		
AL	2,296	1	0.04%				0.0021	0.0021	0.0021									
CA	12,140	1	0.01%													0.00222	0.00222	0.00222
FL	136		0.00%															
IL	2,801	16	0.57%				0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0007
IN	526		0.00%															
KY	1,634	2	0.12%							0.00065	0.002325	0.004						
MI	506		0.00%															
MT	391		0.00%															
NE	154		0.00%															
NJ	762	2	0.26%													0.000266	0.000306	0.000346
NM	209		0.00%															
OR	923	2	0.22%				0.0008	0.0008	0.0008	0.0007	0.0007	0.0007						
SC	1,147	3	0.26%	0.0005	0.0005	0.0005							0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
SD	70		0.00%															
TX	6,183	7	0.11%	0.001	0.001055	0.00498	0.0008	0.00289	0.00498				0.0023	0.0023	0.0023			
VT	629	2	0.32%				0.0006	0.0006	0.0006				0.0005	0.0005	0.0005			
All States	30,507	36	0.12%	0.0005	0.00101	0.00498	0.0005	0.0008	0.00498	0.0005	0.0005	0.004	0.0005	0.0005	0.0023	0.000266	0.0005	0.00222

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

**Table B.60.b. Xylenes (Total) - Summary of Analytical Detections in the 16-State Cross-Section by Source Water Type and Population-Served Size Category**

State	Total # Records	# Detects	% Detects	≤ 500			501 - 3,300			3,301 - 10,000			10,001 - 50,000			> 50,000		
				Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum	Minimum	Median	Maximum
<b>Ground Water</b>																		
AL	5,118	120	2.34%	0.00052	0.0014	0.0448	0.00052	0.00194	0.2402	0.00054	0.002	0.0135	0.0005	0.00302	0.066	0.002	0.00305	0.0041
CA	37,609	109	0.29%	0.00075	0.0064	0.573	0.0007	0.0039	0.669	0.0006	0.0054	0.28	0.0006	0.0018	0.198	0.00099	0.002	0.058
FL	18,682	227	1.22%	0.00002	0.002	0.071	0.00039	0.001865	0.266	0.0001	0.001	0.0282	0.0002	0.00469	0.0315	0.000159	0.001375	0.088
IL	23,210	446	1.92%	0.0005	0.0015	0.172	0.0005	0.0014	0.13	0.0005	0.0007	0.054	0.000275	0.0011	0.214	0.0007	0.0007	0.0007
IN	3,782	13	0.34%	0.0021	0.0033	0.012	0.00058	0.0007	0.0012				0.0029	0.0031	0.0053			
KY	4		0.00%															
MI	4,171	53	1.27%	0.0005	0.0009	0.0087	0.0005	0.00155	0.0035	0.0005	0.0009	0.0084	0.002	0.002	0.002			
MT	3,269	4	0.12%	0.00084	0.00215	0.134												
NE	1		0.00%															
NJ	10,271	140	1.36%	0.00012	0.00112	0.183	0.000053	0.001	0.04546	0.0005	0.001614	0.0037	0.00012	0.000635	0.0207	0.003	0.01635	0.0297
NM	4,619	35	0.76%	0.0005	0.0018	0.118	0.0005	0.0022	0.0171				0.0004	0.00105	0.00314			
OR	654	8	1.22%	0.0008	0.0044	0.0646	0.0014	0.0025	0.0045									
SC	4,916	51	1.04%	0.00092	0.00232	0.0342	0.0005	0.0014	0.00501	0.00167	0.00167	0.00167						
SD	0		0.00%															
TX	23,193	228	0.98%	0.00017	0.0034	1.6	0.00023	0.0022	0.31856	0.00026	0.0024	0.19155	0.0006	0.0016	0.0111	0.0025	0.00445	0.0064
VT	3,558	3	0.08%	0.0002	0.00045	0.0007	0.001	0.001	0.001									
All States	143,057	1,437	1.00%	0.00002	0.001755	1.6	0.000053	0.0016	0.669	0.0001	0.0017	0.28	0.00012	0.0014	0.214	0.000159	0.002	0.088
<b>Surface Water</b>																		
AL	2,297	30	1.31%	0.0058	0.0065	0.0072	0.00099	0.00394	0.00939	0.00062	0.00655	0.0497	0.00054	0.0013	0.0041	0.0012	0.00408	0.0078
CA	12,768	26	0.20%	0.0071	0.0071	0.0071	0.04	0.04	0.04	0.0052	0.02945	0.125	0.0012	0.0042	0.022	0.0006	0.0021	0.1033
FL	135		0.00%															
IL	2,465	48	1.95%	0.0018	0.0018	0.0018	0.0005	0.00085	0.0029	0.0005	0.001	0.012	0.0005	0.0009	0.0054	0.0005	0.0005	0.0008
IN	529	3	0.57%	0.00051	0.00067	0.0009												
KY	2		0.00%															
MI	527	48	9.11%	0.0005	0.0035	0.0112	0.0006	0.0019	0.016	0.0005	0.0009	0.0085	0.0005	0.0006	0.0008			
MT	371	2	0.54%							0.0053	0.00615	0.007						
NE	0		0.00%															
NJ	757	7	0.92%										0.0005	0.00204	0.00358	0.000001	0.0005	0.0025
NM	186	2	1.08%							0.0007	0.0007	0.0007				0.06391	0.06391	0.06391
OR	442	6	1.36%	0.0008	0.0013	0.0018	0.0006	0.00075	0.0065									
SC	473	1	0.21%				0.0015	0.0015	0.0015									
SD	0		0.00%															
TX	6,183	59	0.95%	0.00052	0.00538	0.0975	0.00043	0.00155	0.11285	0.0006	0.0019	0.014	0.0007	0.0014	0.003	0.0006	0.00082	0.0037
VT	754	2	0.27%				0.0043	0.0043	0.0043				0.0028	0.0028	0.0028			
All States	27,889	234	0.84%	0.0005	0.004	0.0975	0.00043	0.0015	0.11285	0.0005	0.00185	0.125	0.0005	0.001	0.022	0.000001	0.0008	0.1033

Note: All results are expressed in mg/L.

\* Blank cells indicate that there were no analytical detections for that State.

## Appendix C. Stage 2 Analytical Findings

Table C.1.a.	Alachlor - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
Table C.1.b.	Alachlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)
Table C.1.c.	Alachlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)
Table C.1.d.	Alachlor - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
Table C.1.e.	Alachlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)
Table C.1.f.	Alachlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)
Table C.2.a.	Antimony - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
Table C.2.b.	Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.024 mg/L)
Table C.2.c.	Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.018 mg/L)
Table C.2.d.	Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.012 mg/L)
Table C.2.e.	Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)
Table C.2.f.	Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)
Table C.2.g.	Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)
Table C.2.h.	Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0015 mg/L)
Table C.2.i.	Antimony - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
Table C.2.j.	Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.024 mg/L)
Table C.2.k.	Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.018 mg/L)
Table C.2.l.	Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.012 mg/L)
Table C.2.m.	Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)
Table C.2.n.	Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)
Table C.2.o.	Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)
Table C.2.p.	Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0015 mg/L)
Table C.3.a.	Atrazine - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems

Table C.3.b.	Atrazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.050 mg/L)
Table C.3.c.	Atrazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.012 mg/L)
Table C.3.d.	Atrazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.010 mg/L)
Table C.3.e.	Atrazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)
Table C.3.f.	Atrazine - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
Table C.3.g.	Atrazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.050 mg/L)
Table C.3.h.	Atrazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.012 mg/L)
Table C.3.i.	Atrazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.010 mg/L)
Table C.3.j.	Atrazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)
Table C.4.a.	Barium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
Table C.4.b.	Barium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 2 mg/L)
Table C.4.c.	Barium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1 mg/L)
Table C.4.d.	Barium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)
Table C.4.e.	Barium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)
Table C.4.f.	Barium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
Table C.4.g.	Barium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 2 mg/L)
Table C.4.h.	Barium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1 mg/L)
Table C.4.i.	Barium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)
Table C.4.j.	Barium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)
Table C.5.a.	Benzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
Table C.5.b.	Benzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)
Table C.5.c.	Benzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)
Table C.5.d.	Benzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0004 mg/L)
Table C.5.e.	Benzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
Table C.5.f.	Benzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)

Table C.5.g.	Benzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)
Table C.5.h.	Benzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0004 mg/L)
Table C.6.a.	Benzo(a)pyrene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
Table C.6.b.	Benzo(a)pyrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)
Table C.6.c.	Benzo(a)pyrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)
Table C.6.d.	Benzo(a)pyrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00005 mg/L)
Table C.6.e.	Benzo(a)pyrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)
Table C.6.f.	Benzo(a)pyrene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
Table C.6.g.	Benzo(a)pyrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)
Table C.6.h.	Benzo(a)pyrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)
Table C.6.i.	Benzo(a)pyrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00005 mg/L)
Table C.6.j.	Benzo(a)pyrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)
Table C.7.a.	Beryllium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
Table C.7.b.	Beryllium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.01 mg/L)
Table C.7.c.	Beryllium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)
Table C.7.d.	Beryllium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)
Table C.7.e.	Beryllium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
Table C.7.f.	Beryllium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.01 mg/L)
Table C.7.g.	Beryllium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)
Table C.7.h.	Beryllium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)
Table C.8.a.	Bis(2-ethylhexyl)adipate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
Table C.8.b.	Bis(2-ethylhexyl)adipate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.4 mg/L)
Table C.8.c.	Bis(2-ethylhexyl)adipate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)
Table C.8.d.	Bis(2-ethylhexyl)adipate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)
Table C.8.e.	Bis(2-ethylhexyl)adipate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0006 mg/L)



- Table C.8.f. Bis(2-ethylhexyl)adipate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
- Table C.8.g. Bis(2-ethylhexyl)adipate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.4 mg/L)
- Table C.8.h. Bis(2-ethylhexyl)adipate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)
- Table C.8.i. Bis(2-ethylhexyl)adipate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)
- Table C.8.j. Bis(2-ethylhexyl)adipate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0006 mg/L)
- 
- Table C.9.a. Bis(2-ethylhexyl)phthalate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
- Table C.9.b. Bis(2-ethylhexyl)phthalate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)
- Table C.9.c. Bis(2-ethylhexyl)phthalate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)
- Table C.9.d. Bis(2-ethylhexyl)phthalate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0006 mg/L)
- Table C.9.e. Bis(2-ethylhexyl)phthalate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
- Table C.9.f. Bis(2-ethylhexyl)phthalate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)
- Table C.9.g. Bis(2-ethylhexyl)phthalate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)
- Table C.9.h. Bis(2-ethylhexyl)phthalate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0006 mg/L)
- 
- Table C.10.a. Cadmium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
- Table C.10.b. Cadmium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)
- Table C.10.c. Cadmium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)
- Table C.10.d. Cadmium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00125 mg/L)
- Table C.10.e. Cadmium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)
- Table C.10.f. Cadmium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served
- Table C.10.g. Cadmium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)
- Table C.10.h. Cadmium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)
- Table C.10.i. Cadmium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00125 mg/L)
- Table C.10.j. Cadmium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)
- 
- Table C.11.a. Carbofuran - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems
- Table C.11.b. Carbofuran - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.04 mg/L)

- Table C.11.c. Carbofuran - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)
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Table C.55.i.	1,2,4-Trichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0175 mg/L)
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Table C.58.e.	Trichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)

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- Table C.60.m. Xylenes (Total) - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)
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**Table C.1.a. Alachlor - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.002 mg/L					Threshold = 0.0002 mg/L			
Ground Water	≤ 500	0.00000293	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0126%</b>	0.000% - 0.0358%	0.000% - 0.0358%				
	501 - 3,300	0.00000395	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0451%</b>	0.000% - 0.132%	0.000% - 0.0989%				
	3,301 - 10,000	0.00000268	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.109%</b>	0.000% - 0.244%	0.000% - 0.122%				
	10,001 - 50,000	0.00000243	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0217%</b>	0.000% - 0.191%	0.000% - 0.191%				
	> 50,000	0.00000129	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%				
	Total	0.00000311	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0266%</b>	0.00774% - 0.0542%	0.00774% - 0.0465%				
Surface Water	≤ 500	0.00000936	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.399%</b>	0.000% - 0.719%	0.360% - 0.719%				
	501 - 3,300	0.0000185	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.691%</b>	0.000% - 1.47%	0.245% - 1.23%				
	3,301 - 10,000	0.0000118	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0970%</b>	0.000% - 0.752%	0.000% - 0.376%				
	10,001 - 50,000	0.0000100	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0526%</b>	0.000% - 0.321%	0.000% - 0.321%				
	> 50,000	0.0000108	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.146%</b>	0.000% - 0.671%	0.000% - 0.671%				
	Total	0.0000128	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.323%</b>	0.0708% - 0.566%	0.142% - 0.495%				
All Systems - Combined Ground & Surface Water		0.00000406	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0559%</b>	0.0279% - 0.0907%	0.0279% - 0.0837%				

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.1.b. Alachlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.1.c. Alachlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5	0	16	0	16
	501 - 3,300	5	0	16	0	12
	3,301 - 10,000	3	0	6	0	3
	10,001 - 50,000	1	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>16</b>	<b>5</b>	<b>32</b>	<b>5</b>	<b>28</b>
Surface Water	≤ 500	6	0	11	6	11
	501 - 3,300	12	0	25	4	21
	3,301 - 10,000	1	0	8	0	4
	10,001 - 50,000	1	0	3	0	3
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>18</b>	<b>4</b>	<b>32</b>	<b>8</b>	<b>28</b>
<b>Total Ground &amp; Surface Water</b>		<b>36</b>	<b>18</b>	<b>59</b>	<b>18</b>	<b>54</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.1.d. Alachlor - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
				Threshold = 0.002 mg/L			Threshold = 0.0002 mg/L	
Ground Water	≤ 500	0.00000293	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00657%</b>	0.000% - 0.0363%	0.000% - 0.0310%
	501 - 3,300	0.00000395	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0534%</b>	0.000% - 0.139%	0.000% - 0.124%
	3,301 - 10,000	0.00000268	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.178%</b>	0.000% - 0.379%	0.000% - 0.303%
	10,001 - 50,000	0.00000243	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0375%</b>	0.000% - 0.286%	0.000% - 0.207%
	> 50,000	0.00000129	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00227%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000311	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0385%</b>	0.00383% - 0.112%	0.00985% - 0.105%
Surface Water	≤ 500	0.00000936	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.152%</b>	0.000% - 1.01%	0.0479% - 0.770%
	501 - 3,300	0.0000185	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.840%</b>	0.0859% - 1.85%	0.115% - 1.68%
	3,301 - 10,000	0.0000118	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.155%</b>	0.000% - 0.831%	0.000% - 0.612%
	10,001 - 50,000	0.0000100	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0692%</b>	0.000% - 0.627%	0.000% - 0.479%
	> 50,000	0.0000108	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0862%</b>	0.000% - 0.376%	0.000% - 0.376%
	Total	0.0000128	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0956%</b>	0.00250% - 0.408%	0.00360% - 0.343%
All Systems - Combined Ground & Surface Water			<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0716%</b>	0.0104% - 0.258%	0.0123% - 0.225%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.1.e. Alachlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.1.f. Alachlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	427	0	2,358	0	2,013
	501 - 3,300	8,296	0	21,552	0	19,301
	3,301 - 10,000	24,552	0	52,134	0	41,710
	10,001 - 50,000	10,001	0	69,978	0	50,522
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>33,022</b>	<b>3,279</b>	<b>96,221</b>	<b>8,439</b>	<b>90,051</b>
Surface Water	≤ 500	444	0	2,942	140	2,253
	501 - 3,300	23,670	2,420	52,256	3,244	47,324
	3,301 - 10,000	9,443	0	50,586	0	37,255
	10,001 - 50,000	15,128	0	136,970	0	104,673
	> 50,000	82,954	0	362,393	0	362,393
	<b>SW Total</b>	<b>121,660</b>	<b>3,186</b>	<b>519,747</b>	<b>4,586</b>	<b>436,984</b>
<b>Total Ground &amp; Surface Water</b>		<b>152,471</b>	<b>22,110</b>	<b>548,709</b>	<b>26,094</b>	<b>479,694</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.2.a. Antimony - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
				Threshold = 0.024 mg/L			Threshold = 0.018 mg/L			Threshold = 0.012 mg/L			Threshold = 0.006 mg/L	
Ground Water	≤ 500	0.000714	<b>0.00357%</b>	0.000% - 0.0107%	0.000% - 0.0107%	<b>0.00764%</b>	0.000% - 0.0214%	0.000% - 0.0214%	<b>0.0283%</b>	0.000% - 0.0642%	0.0107% - 0.0535%	<b>0.313%</b>	0.203% - 0.439%	0.214% - 0.417%
	501 - 3,300	0.000666	<b>0.000535%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00285%</b>	0.000% - 0.0297%	0.000% - 0.0297%	<b>0.0134%</b>	0.000% - 0.0594%	0.000% - 0.0594%	<b>0.214%</b>	0.0891% - 0.386%	0.0891% - 0.357%
	3,301 - 10,000	0.000581	<b>0.000219%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000874%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00525%</b>	0.000% - 0.109%	0.000% - 0.000%	<b>0.139%</b>	0.000% - 0.437%	0.000% - 0.437%
	10,001 - 50,000	0.000511	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00219%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.110%</b>	0.000% - 0.364%	0.000% - 0.364%
	> 50,000	0.000446	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0466%</b>	0.000% - 0.685%	0.000% - 0.685%
Total	0.000684	<b>0.00247%</b>	0.000% - 0.00698%	0.000% - 0.00698%	<b>0.00571%</b>	0.000% - 0.0209%	0.000% - 0.0140%	<b>0.0220%</b>	0.000% - 0.0419%	0.00698% - 0.0419%	<b>0.268%</b>	0.182% - 0.363%	0.189% - 0.349%	
Surface Water	≤ 500	0.000442	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00068%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0456%</b>	0.000% - 0.340%	0.000% - 0.340%
	501 - 3,300	0.000449	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0246%</b>	0.000% - 0.246%	0.000% - 0.246%
	3,301 - 10,000	0.000667	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00233%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0775%</b>	0.000% - 0.388%	0.000% - 0.388%
	10,001 - 50,000	0.000527	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0759%</b>	0.000% - 0.690%	0.000% - 0.345%
	> 50,000	0.000330	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0119%</b>	0.000% - 0.000%	0.000% - 0.000%
Total	0.000491	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00057%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0480%</b>	0.000% - 0.214%	0.000% - 0.143%	
All Systems - Combined Ground & Surface Water	0.000666	<b>0.00225%</b>	0.000% - 0.00636%	0.000% - 0.00636%	<b>0.00520%</b>	0.000% - 0.0191%	0.000% - 0.0127%	<b>0.0201%</b>	0.000% - 0.0382%	0.00636% - 0.0382%	<b>0.248%</b>	0.165% - 0.343%	0.178% - 0.324%	

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
				Threshold = 0.003 mg/L			Threshold = 0.002 mg/L			Threshold = 0.0015 mg/L	
Ground Water	≤ 500	0.000714	<b>2.39%</b>	2.01% - 2.77%	2.09% - 2.72%	<b>6.16%</b>	5.54% - 6.77%	5.66% - 6.69%	<b>10.8%</b>	9.89% - 11.6%	10.1% - 11.5%
	501 - 3,300	0.000666	<b>1.97%</b>	1.49% - 2.47%	1.55% - 2.38%	<b>5.32%</b>	4.52% - 6.09%	4.66% - 5.97%	<b>9.53%</b>	8.44% - 10.6%	8.62% - 10.5%
	3,301 - 10,000	0.000581	<b>1.57%</b>	0.984% - 2.40%	0.984% - 2.19%	<b>4.28%</b>	3.17% - 5.57%	3.28% - 5.36%	<b>7.71%</b>	6.01% - 9.62%	6.23% - 9.40%
	10,001 - 50,000	0.000511	<b>1.34%</b>	0.546% - 2.19%	0.729% - 2.00%	<b>3.62%</b>	2.37% - 5.10%	2.55% - 4.74%	<b>6.28%</b>	4.74% - 8.20%	4.92% - 7.83%
	> 50,000	0.000446	<b>1.07%</b>	0.000% - 2.74%	0.000% - 2.74%	<b>3.11%</b>	1.37% - 4.80%	1.37% - 4.80%	<b>5.20%</b>	2.74% - 8.22%	3.43% - 7.53%
Total	0.000684	<b>2.19%</b>	1.88% - 2.48%	1.95% - 2.44%	<b>5.71%</b>	5.26% - 6.18%	5.31% - 6.11%	<b>10.1%</b>	9.42% - 10.7%	9.52% - 10.6%	
Surface Water	≤ 500	0.000442	<b>0.774%</b>	0.000% - 1.70%	0.000% - 1.70%	<b>2.35%</b>	1.02% - 4.08%	1.02% - 3.74%	<b>4.45%</b>	2.38% - 7.14%	2.72% - 6.46%
	501 - 3,300	0.000449	<b>0.712%</b>	0.000% - 1.47%	0.246% - 1.23%	<b>2.34%</b>	1.23% - 3.69%	1.23% - 3.44%	<b>4.59%</b>	2.95% - 6.63%	3.19% - 6.39%
	3,301 - 10,000	0.000667	<b>1.83%</b>	0.388% - 3.49%	0.775% - 3.10%	<b>5.81%</b>	3.10% - 8.53%	3.49% - 8.14%	<b>10.6%</b>	6.98% - 14.7%	7.75% - 13.6%
	10,001 - 50,000	0.000527	<b>1.32%</b>	0.345% - 2.41%	0.345% - 2.41%	<b>3.63%</b>	2.07% - 5.52%	2.41% - 5.17%	<b>6.48%</b>	4.48% - 8.97%	4.83% - 8.62%
	> 50,000	0.000330	<b>0.703%</b>	0.000% - 1.99%	0.000% - 1.99%	<b>2.03%</b>	0.662% - 3.97%	1.33% - 3.31%	<b>3.33%</b>	1.99% - 5.30%	1.99% - 5.30%
Total	0.000491	<b>1.06%</b>	0.571% - 1.57%	0.714% - 1.50%	<b>3.21%</b>	2.43% - 4.00%	2.57% - 3.93%	<b>5.93%</b>	4.93% - 7.00%	5.00% - 6.93%	
All Systems - Combined Ground & Surface Water	0.000666	<b>2.09%</b>	1.79% - 2.37%	1.87% - 2.31%	<b>5.49%</b>	5.06% - 5.93%	5.13% - 5.87%	<b>9.69%</b>	9.11% - 10.3%	9.20% - 10.2%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.2.b. Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.024 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2	0	5	0	5
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.2.c. Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.018 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3	0	9	0	9
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>8</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>3</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>8</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.2.d. Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.012 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	12	0	28	5	23
	501 - 3,300	2	0	7	0	7
	3,301 - 10,000	0	0	3	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>13</b>	<b>0</b>	<b>25</b>	<b>4</b>	<b>25</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>13</b>	<b>0</b>	<b>25</b>	<b>4</b>	<b>25</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.2.e. Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	136	88	191	93	181
	501 - 3,300	26	11	47	11	43
	3,301 - 10,000	3	0	11	0	11
	10,001 - 50,000	1	0	4	0	4
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>159</b>	<b>108</b>	<b>216</b>	<b>112</b>	<b>207</b>
Surface Water	≤ 500	1	0	5	0	5
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	1	0	6	0	3
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>3</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>8</b>
<b>Total Ground &amp; Surface Water</b>		<b>162</b>	<b>107</b>	<b>223</b>	<b>116</b>	<b>211</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.2.f. Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,040	875	1,205	907	1,182
	501 - 3,300	239	181	300	188	289
	3,301 - 10,000	38	24	58	24	53
	10,001 - 50,000	16	7	26	9	24
	> 50,000	2	0	5	0	5
	<b>GW Total</b>	<b>1,299</b>	<b>1,116</b>	<b>1,473</b>	<b>1,158</b>	<b>1,448</b>
Surface Water	≤ 500	12	0	26	0	26
	501 - 3,300	12	0	25	4	21
	3,301 - 10,000	19	4	35	8	31
	10,001 - 50,000	12	3	23	3	23
	> 50,000	3	0	8	0	8
	<b>SW Total</b>	<b>59</b>	<b>32</b>	<b>88</b>	<b>40</b>	<b>84</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,356</b>	<b>1,166</b>	<b>1,539</b>	<b>1,216</b>	<b>1,501</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.2.g. Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,678	2,410	2,945	2,461	2,908
	501 - 3,300	646	549	740	567	726
	3,301 - 10,000	103	76	134	79	129
	10,001 - 50,000	43	28	61	30	56
	> 50,000	6	3	9	3	9
	<b>GW Total</b>	<b>3,395</b>	<b>3,125</b>	<b>3,672</b>	<b>3,157</b>	<b>3,631</b>
Surface Water	≤ 500	36	16	63	16	57
	501 - 3,300	40	21	63	21	59
	3,301 - 10,000	59	31	86	35	82
	10,001 - 50,000	34	19	52	23	48
	> 50,000	8	3	16	5	13
	<b>SW Total</b>	<b>180</b>	<b>136</b>	<b>224</b>	<b>144</b>	<b>220</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,569</b>	<b>3,288</b>	<b>3,858</b>	<b>3,333</b>	<b>3,817</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.2.h. Antimony - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0015 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	4,689	4,304	5,063	4,380	5,007
	501 - 3,300	1,159	1,026	1,294	1,048	1,272
	3,301 - 10,000	185	145	231	150	226
	10,001 - 50,000	75	56	98	59	93
	> 50,000	10	5	16	6	14
	<b>GW Total</b>	<b>5,980</b>	<b>5,602</b>	<b>6,336</b>	<b>5,660</b>	<b>6,301</b>
Surface Water	≤ 500	68	37	110	42	99
	501 - 3,300	78	50	113	54	109
	3,301 - 10,000	107	71	149	78	137
	10,001 - 50,000	61	42	84	45	81
	> 50,000	13	8	21	8	21
	<b>SW Total</b>	<b>331</b>	<b>276</b>	<b>391</b>	<b>280</b>	<b>387</b>
<b>Total Ground &amp; Surface Water</b>		<b>6,304</b>	<b>5,926</b>	<b>6,679</b>	<b>5,980</b>	<b>6,633</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.2.i. Antimony - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.024 mg/L			Threshold = 0.018 mg/L			Threshold = 0.012 mg/L			Threshold = 0.006 mg/L		
Ground Water	≤ 500	0.000714	<b>0.000842%</b>	0.000% - 0.00459%	0.000% - 0.00212%	<b>0.00293%</b>	0.000% - 0.0198%	0.000% - 0.0141%	<b>0.0189%</b>	0.000% - 0.0650%	0.00212% - 0.0565%	<b>0.288%</b>	0.142% - 0.448%	0.170% - 0.412%
	501 - 3,300	0.000666	<b>0.000423%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00246%</b>	0.000% - 0.0291%	0.000% - 0.0179%	<b>0.0119%</b>	0.000% - 0.0615%	0.000% - 0.0571%	<b>0.198%</b>	0.0738% - 0.379%	0.0843% - 0.341%
	3,301 - 10,000	0.000581	<b>0.000213%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000695%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00490%</b>	0.000% - 0.106%	0.000% - 0.000%	<b>0.136%</b>	0.000% - 0.477%	0.000% - 0.386%
	10,001 - 50,000	0.000511	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00187%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.121%</b>	0.000% - 0.504%	0.000% - 0.451%
	> 50,000	0.000446	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0247%</b>	0.000% - 0.355%	0.000% - 0.347%
	Total	0.000684	<b>0.000104%</b>	0.000% - 0.000318%	0.000% - 0.000110%	<b>0.000464%</b>	0.000% - 0.00399%	0.000% - 0.00301%	<b>0.00315%</b>	0.000% - 0.0187%	0.0000734% - 0.0122%	<b>0.0957%</b>	0.0210% - 0.253%	0.0264% - 0.224%
Surface Water	≤ 500	0.000442	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000240%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0427%</b>	0.000% - 0.536%	0.000% - 0.304%
	501 - 3,300	0.000449	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0254%</b>	0.000% - 0.319%	0.000% - 0.233%
	3,301 - 10,000	0.000667	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00239%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0702%</b>	0.000% - 0.608%	0.000% - 0.443%
	10,001 - 50,000	0.000527	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0740%</b>	0.000% - 0.687%	0.000% - 0.687%
	> 50,000	0.000330	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00512%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000491	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000623%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0147%</b>	0.000% - 0.0966%	0.000% - 0.0763%
All Systems - Combined Ground & Surface Water		0.000666	<b>0.0000418%</b>	0.000% - 0.000129%	0.000% - 0.0000445%	<b>0.000188%</b>	0.000% - 0.00161%	0.000% - 0.00122%	<b>0.00131%</b>	0.000% - 0.00775%	0.0000297% - 0.00512%	<b>0.0475%</b>	0.0102% - 0.123%	0.0124% - 0.105%

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.003 mg/L			Threshold = 0.002 mg/L			Threshold = 0.0015 mg/L		
Ground Water	≤ 500	0.000714	<b>2.41%</b>	1.99% - 2.87%	2.04% - 2.80%	<b>6.24%</b>	5.57% - 7.00%	5.69% - 6.86%	<b>10.9%</b>	9.99% - 11.9%	10.1% - 11.7%
	501 - 3,300	0.000666	<b>1.85%</b>	1.32% - 2.40%	1.41% - 2.31%	<b>5.06%</b>	4.24% - 5.92%	4.34% - 5.80%	<b>9.16%</b>	7.94% - 10.4%	8.21% - 10.2%
	3,301 - 10,000	0.000581	<b>1.58%</b>	0.911% - 2.45%	0.994% - 2.22%	<b>4.31%</b>	3.10% - 5.66%	3.25% - 5.41%	<b>7.75%</b>	6.04% - 9.80%	6.29% - 9.29%
	10,001 - 50,000	0.000511	<b>1.45%</b>	0.709% - 2.32%	0.763% - 2.21%	<b>3.55%</b>	2.36% - 4.92%	2.58% - 4.71%	<b>6.03%</b>	4.48% - 7.92%	4.71% - 7.60%
	> 50,000	0.000446	<b>0.650%</b>	0.000% - 1.86%	0.000% - 1.77%	<b>2.09%</b>	0.738% - 3.87%	0.807% - 3.50%	<b>3.76%</b>	1.64% - 6.97%	1.89% - 6.01%
	Total	0.000684	<b>1.20%</b>	0.744% - 1.77%	0.827% - 1.68%	<b>3.28%</b>	2.51% - 4.09%	2.65% - 3.93%	<b>5.79%</b>	4.69% - 7.22%	4.87% - 6.66%
Surface Water	≤ 500	0.000442	<b>0.799%</b>	0.000% - 2.21%	0.000% - 1.94%	<b>2.54%</b>	0.674% - 4.95%	0.958% - 4.48%	<b>4.80%</b>	2.25% - 8.00%	2.48% - 7.46%
	501 - 3,300	0.000449	<b>0.790%</b>	0.000% - 1.61%	0.155% - 1.51%	<b>2.57%</b>	1.18% - 4.20%	1.39% - 3.93%	<b>4.95%</b>	2.97% - 7.20%	3.32% - 6.62%
	3,301 - 10,000	0.000667	<b>1.81%</b>	0.297% - 3.66%	0.504% - 3.27%	<b>5.73%</b>	3.06% - 8.62%	3.42% - 8.03%	<b>10.5%</b>	7.12% - 14.5%	7.39% - 13.8%
	10,001 - 50,000	0.000527	<b>1.18%</b>	0.214% - 2.24%	0.343% - 2.01%	<b>3.03%</b>	1.63% - 4.73%	1.79% - 4.47%	<b>5.55%</b>	3.62% - 8.01%	3.80% - 7.68%
	> 50,000	0.000330	<b>0.725%</b>	0.000% - 2.14%	0.000% - 1.97%	<b>2.29%</b>	0.337% - 4.51%	0.630% - 3.79%	<b>3.48%</b>	1.97% - 6.48%	2.14% - 5.14%
	Total	0.000491	<b>0.804%</b>	0.108% - 2.03%	0.135% - 1.97%	<b>2.46%</b>	0.825% - 4.20%	1.08% - 3.76%	<b>3.91%</b>	2.63% - 6.38%	2.74% - 5.39%
All Systems - Combined Ground & Surface Water		0.000666	<b>0.963%</b>	0.462% - 1.77%	0.485% - 1.69%	<b>2.79%</b>	1.70% - 3.97%	1.97% - 3.66%	<b>4.67%</b>	3.74% - 6.57%	3.82% - 5.81%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.2.j. Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.024 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	100	0	300	0	100
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>100</b>	<b>0</b>	<b>300</b>	<b>0</b>	<b>100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>100</b>	<b>0</b>	<b>300</b>	<b>0</b>	<b>100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.2.k. Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.018 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	200	0	1,300	0	900
	501 - 3,300	500	0	4,500	0	2,800
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>400</b>	<b>0</b>	<b>3,400</b>	<b>0</b>	<b>2,600</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>400</b>	<b>0</b>	<b>3,400</b>	<b>0</b>	<b>2,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.2.I. Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.012 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,200	0	4,200	100	3,700
	501 - 3,300	1,800	0	9,600	0	8,900
	3,301 - 10,000	0	0	14,600	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>2,700</b>	<b>0</b>	<b>16,100</b>	<b>100</b>	<b>10,400</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>2,800</b>	<b>0</b>	<b>16,500</b>	<b>100</b>	<b>10,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.2.m. Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	18,700	9,200	29,100	11,000	26,800
	501 - 3,300	30,700	11,500	58,800	13,100	52,900
	3,301 - 10,000	18,700	0	65,600	0	53,100
	10,001 - 50,000	29,700	0	123,200	0	110,100
	> 50,000	0	0	90,400	0	88,300
	<b>GW Total</b>	<b>82,000</b>	<b>18,000</b>	<b>216,600</b>	<b>22,600</b>	<b>192,200</b>
Surface Water	≤ 500	100	0	1,600	0	900
	501 - 3,300	700	0	9,000	0	6,600
	3,301 - 10,000	4,300	0	37,000	0	27,000
	10,001 - 50,000	16,200	0	150,100	0	150,100
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>18,800</b>	<b>0</b>	<b>123,000</b>	<b>0</b>	<b>97,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>101,100</b>	<b>21,700</b>	<b>262,000</b>	<b>26,400</b>	<b>223,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.2.n. Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	156,900	129,300	186,500	132,300	182,000
	501 - 3,300	287,000	205,100	373,300	218,300	358,700
	3,301 - 10,000	217,300	125,400	337,500	136,800	305,800
	10,001 - 50,000	354,400	173,200	567,300	186,400	540,900
	> 50,000	165,300	0	474,000	0	449,600
	<b>GW Total</b>	<b>1,026,500</b>	<b>637,800</b>	<b>1,519,100</b>	<b>708,500</b>	<b>1,436,000</b>
Surface Water	≤ 500	2,300	0	6,500	0	5,700
	501 - 3,300	22,300	0	45,500	4,400	42,500
	3,301 - 10,000	110,100	18,100	222,400	30,700	198,700
	10,001 - 50,000	257,200	46,800	489,700	74,900	438,100
	> 50,000	697,500	0	2,064,200	0	1,899,600
	<b>SW Total</b>	<b>1,023,300</b>	<b>137,300</b>	<b>2,589,800</b>	<b>171,900</b>	<b>2,509,600</b>
<b>Total Ground &amp; Surface Water</b>		<b>2,051,500</b>	<b>983,200</b>	<b>3,772,400</b>	<b>1,033,100</b>	<b>3,604,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.2.o. Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	405,300	362,000	454,600	369,700	445,800
	501 - 3,300	786,000	658,100	918,500	674,400	899,800
	3,301 - 10,000	593,200	427,400	779,000	447,000	745,000
	10,001 - 50,000	868,700	577,600	1,202,300	631,300	1,151,000
	> 50,000	532,500	187,700	985,700	205,400	889,500
	<b>GW Total</b>	<b>2,810,400</b>	<b>2,148,900</b>	<b>3,507,000</b>	<b>2,267,100</b>	<b>3,370,700</b>
Surface Water	≤ 500	7,400	2,000	14,500	2,800	13,100
	501 - 3,300	72,400	33,200	118,300	39,100	110,900
	3,301 - 10,000	348,400	186,300	524,400	208,000	488,700
	10,001 - 50,000	662,800	356,000	1,033,200	390,900	975,700
	> 50,000	2,200,000	324,800	4,345,100	606,500	3,650,900
	<b>SW Total</b>	<b>3,133,500</b>	<b>1,050,200</b>	<b>5,351,500</b>	<b>1,371,300</b>	<b>4,788,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>5,947,200</b>	<b>3,625,400</b>	<b>8,460,700</b>	<b>4,192,000</b>	<b>7,804,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.2.p. Antimony - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0015 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	707,700	648,900	770,700	656,400	759,700
	501 - 3,300	1,422,800	1,233,100	1,608,700	1,275,100	1,585,400
	3,301 - 10,000	1,067,600	831,200	1,349,900	866,600	1,278,800
	10,001 - 50,000	1,474,800	1,093,800	1,935,300	1,152,000	1,857,300
	> 50,000	956,900	418,000	1,772,600	481,900	1,529,600
	<b>GW Total</b>	<b>4,959,300</b>	<b>4,021,000</b>	<b>6,188,800</b>	<b>4,172,700</b>	<b>5,708,100</b>
Surface Water	≤ 500	14,000	6,600	23,400	7,200	21,800
	501 - 3,300	139,400	83,700	202,800	93,600	186,600
	3,301 - 10,000	635,800	433,000	881,600	449,900	842,100
	10,001 - 50,000	1,212,400	791,500	1,749,500	830,600	1,678,900
	> 50,000	3,347,600	1,899,600	6,234,000	2,064,200	4,951,600
	<b>SW Total</b>	<b>4,974,600</b>	<b>3,342,300</b>	<b>8,119,600</b>	<b>3,486,200</b>	<b>6,864,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>9,941,100</b>	<b>7,964,400</b>	<b>13,986,100</b>	<b>8,141,200</b>	<b>12,367,300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.3.a. Atrazine - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.05 mg/L			Threshold = 0.012 mg/L		
Ground Water	≤ 500	0.0172	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000229%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0280	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0301	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0411	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0449	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0218	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000149%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.123	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.280	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00196%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.200	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.175	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.152	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.199	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000579%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0384	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000676%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.010 mg/L			Threshold = 0.003 mg/L		
Ground Water	≤ 500	0.0172	<b>0.0000458%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00156%</b>	0.000% - 0.0114%	0.000% - 0.0114%
	501 - 3,300	0.0280	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00261%</b>	0.000% - 0.0319%	0.000% - 0.0319%
	3,301 - 10,000	0.0301	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000473%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0411	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00260%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0449	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00267%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0218	<b>0.0000298%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00179%</b>	0.000% - 0.00746%	0.000% - 0.00746%
Surface Water	≤ 500	0.123	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.430%</b>	0.412% - 0.823%	0.412% - 0.412%
	501 - 3,300	0.280	<b>0.00831%</b>	0.000% - 0.245%	0.000% - 0.000%	<b>1.35%</b>	0.734% - 2.20%	0.734% - 1.96%
	3,301 - 10,000	0.200	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.606%</b>	0.000% - 1.11%	0.000% - 1.11%
	10,001 - 50,000	0.175	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.256%</b>	0.000% - 0.968%	0.000% - 0.645%
	> 50,000	0.152	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0185%</b>	0.000% - 0.662%	0.000% - 0.00%
	Total	0.199	<b>0.00246%</b>	0.000% - 0.0723%	0.000% - 0.000%	<b>0.652%</b>	0.434% - 0.940%	0.434% - 0.868%
All Systems - Combined Ground & Surface Water		0.0384	<b>0.000257%</b>	0.000% - 0.00676%	0.000% - 0.000%	<b>0.0625%</b>	0.0406% - 0.0879%	0.0406% - 0.0879%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.3.b. Atrazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.3.c. Atrazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.3.d. Atrazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00125 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.3.e. Atrazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1	0	5	0	5
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
Surface Water	≤ 500	7	6	13	6	6
	501 - 3,300	23	13	38	13	33
	3,301 - 10,000	6	0	11	0	11
	10,001 - 50,000	2	0	9	0	6
	> 50,000	0	0	3	0	0
	<b>SW Total</b>	<b>36</b>	<b>24</b>	<b>53</b>	<b>24</b>	<b>49</b>
<b>Total Ground &amp; Surface Water</b>		<b>41</b>	<b>26</b>	<b>57</b>	<b>26</b>	<b>57</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "S

System estimates are rounded to the nearest whole number.



**Table C.3.f. Atrazine - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L		
Ground Water	≤ 500	0.0172	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000145%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0280	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0301	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0411	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0449	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0218	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000480%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.123	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.280	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00175%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.200	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.175	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.152	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.199	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000217%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0384	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000127%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.00125 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.0172	<b>0.0000666%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00220%</b>	0.000% - 0.0260%	0.000% - 0.0260%
	501 - 3,300	0.0280	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00278%</b>	0.000% - 0.0360%	0.000% - 0.0220%
	3,301 - 10,000	0.0301	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000459%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0411	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00176%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0449	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00115%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0218	<b>0.0000220%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00144%</b>	0.000% - 0.00771%	0.000% - 0.00357%
Surface Water	≤ 500	0.123	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.554%</b>	0.545% - 0.619%	0.545% - 0.545%
	501 - 3,300	0.280	<b>0.00425%</b>	0.000% - 0.0962%	0.000% - 0.000%	<b>0.883%</b>	0.332% - 1.72%	0.353% - 1.52%
	3,301 - 10,000	0.200	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.747%</b>	0.000% - 1.35%	0.000% - 1.35%
	10,001 - 50,000	0.175	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.208%</b>	0.000% - 0.745%	0.000% - 0.606%
	> 50,000	0.152	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00859%</b>	0.000% - 0.172%	0.000% - 0.000%
	Total	0.199	<b>0.0000528%</b>	0.000% - 0.00119%	0.000% - 0.000%	<b>0.0659%</b>	0.0197% - 0.212%	0.0225% - 0.133%
All Systems - Combined Ground & Surface Water		0.0384	<b>0.0000313%</b>	0.000% - 0.000687%	0.000% - 0.000%	<b>0.0385%</b>	0.0115% - 0.122%	0.0129% - 0.0770%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.3.g. Atrazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.3.h. Atrazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.3.i. Atrazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00125 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	2,700	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>1,500</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.3.j. Atrazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	100	0	1,700	0	1,700
	501 - 3,300	500	0	5,600	0	3,400
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1,200</b>	<b>0</b>	<b>6,600</b>	<b>0</b>	<b>3,100</b>
Surface Water	≤ 500	1,600	1,600	1,800	1,600	1,600
	501 - 3,300	24,900	9,400	48,500	9,900	42,900
	3,301 - 10,000	45,400	0	82,400	0	82,400
	10,001 - 50,000	45,400	0	162,800	0	132,400
	> 50,000	0	0	165,400	0	0
	<b>SW Total</b>	<b>83,800</b>	<b>25,100</b>	<b>269,900</b>	<b>28,600</b>	<b>169,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>82,100</b>	<b>24,400</b>	<b>260,300</b>	<b>27,600</b>	<b>163,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.4.a. Barium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 2 mg/L			Threshold = 1 mg/L		
Ground Water	≤ 500	0.103	<b>0.108%</b>	0.0716% - 0.161%	0.0716% - 0.152%	<b>0.505%</b>	0.403% - 0.617%	0.420% - 0.599%
	501 - 3,300	0.106	<b>0.0949%</b>	0.0292% - 0.175%	0.0292% - 0.175%	<b>0.508%</b>	0.321% - 0.730%	0.350% - 0.671%
	3,301 - 10,000	0.100	<b>0.0194%</b>	0.000% - 0.105%	0.000% - 0.105%	<b>0.306%</b>	0.000% - 0.737%	0.000% - 0.632%
	10,001 - 50,000	0.0901	<b>0.0442%</b>	0.000% - 0.178%	0.000% - 0.178%	<b>0.568%</b>	0.178% - 1.07%	0.178% - 0.891%
	> 50,000	0.0704	<b>0.0327%</b>	0.000% - 0.680%	0.000% - 0.000%	<b>0.342%</b>	0.000% - 0.680%	0.000% - 0.680%
	Total	0.102	<b>0.0969%</b>	0.0615% - 0.135%	0.0676% - 0.129%	<b>0.495%</b>	0.412% - 0.584%	0.424% - 0.572%
Surface Water	≤ 500	0.0567	<b>0.00164%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0241%</b>	0.000% - 0.274%	0.000% - 0.274%
	501 - 3,300	0.0579	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00970%</b>	0.000% - 0.231%	0.000% - 0.000%
	3,301 - 10,000	0.0644	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00977%</b>	0.000% - 0.376%	0.000% - 0.000%
	10,001 - 50,000	0.0581	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00134%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0730	<b>0.00130%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0234%</b>	0.000% - 0.649%	0.000% - 0.000%
	Total	0.0603	<b>0.000528%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0129%</b>	0.000% - 0.132%	0.000% - 0.0660%
All Systems - Combined Ground & Surface Water		0.0989	<b>0.0887%</b>	0.0562% - 0.124%	0.0619% - 0.118%	<b>0.454%</b>	0.377% - 0.534%	0.388% - 0.523%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.5 mg/L			Threshold = 0.1 mg/L		
Ground Water	≤ 500	0.103	<b>2.53%</b>	2.28% - 2.82%	2.31% - 2.76%	<b>29.1%</b>	28.4% - 29.9%	28.5% - 29.7%
	501 - 3,300	0.106	<b>2.64%</b>	2.16% - 3.12%	2.28% - 3.01%	<b>30.8%</b>	29.7% - 32.0%	29.9% - 31.8%
	3,301 - 10,000	0.100	<b>2.27%</b>	1.47% - 3.16%	1.58% - 2.95%	<b>30.1%</b>	28.2% - 32.1%	28.4% - 31.9%
	10,001 - 50,000	0.0901	<b>2.10%</b>	1.43% - 3.03%	1.43% - 2.85%	<b>25.1%</b>	22.8% - 27.1%	23.4% - 26.9%
	> 50,000	0.0704	<b>0.878%</b>	0.000% - 2.04%	0.000% - 1.36%	<b>19.0%</b>	15.0% - 22.5%	15.7% - 21.8%
	Total	0.102	<b>2.51%</b>	2.28% - 2.74%	2.31% - 2.71%	<b>29.3%</b>	28.7% - 29.9%	28.8% - 29.8%
Surface Water	≤ 500	0.0567	<b>0.358%</b>	0.000% - 1.10%	0.000% - 0.822%	<b>15.9%</b>	13.2% - 18.6%	13.7% - 18.4%
	501 - 3,300	0.0579	<b>0.217%</b>	0.000% - 0.693%	0.000% - 0.693%	<b>17.1%</b>	14.3% - 19.6%	15.0% - 19.4%
	3,301 - 10,000	0.0644	<b>0.299%</b>	0.000% - 1.13%	0.000% - 1.13%	<b>19.3%</b>	15.8% - 22.6%	16.2% - 22.2%
	10,001 - 50,000	0.0581	<b>0.157%</b>	0.000% - 0.671%	0.000% - 0.671%	<b>15.9%</b>	13.1% - 19.1%	13.4% - 18.5%
	> 50,000	0.0730	<b>0.310%</b>	0.000% - 1.30%	0.000% - 1.30%	<b>24.5%</b>	20.8% - 27.9%	21.4% - 27.3%
	Total	0.0603	<b>0.263%</b>	0.0660% - 0.528%	0.0660% - 0.528%	<b>17.7%</b>	16.3% - 19.0%	16.6% - 18.8%
All Systems - Combined Ground & Surface Water		0.0989	<b>2.32%</b>	2.10% - 2.53%	2.14% - 2.50%	<b>28.3%</b>	27.8% - 28.8%	27.9% - 28.8%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.4.b. Barium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 2 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	47	31	70	31	66
	501 - 3,300	12	4	21	4	21
	3,301 - 10,000	1	0	3	0	3
	10,001 - 50,000	1	0	2	0	2
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>58</b>	<b>37</b>	<b>80</b>	<b>40</b>	<b>77</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>58</b>	<b>37</b>	<b>80</b>	<b>40</b>	<b>77</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.4.c. Barium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	220	175	268	183	261
	501 - 3,300	62	39	89	43	82
	3,301 - 10,000	7	0	18	0	15
	10,001 - 50,000	7	2	13	2	11
	> 50,000	1	0	1	0	1
	<b>GW Total</b>	<b>294</b>	<b>245</b>	<b>347</b>	<b>252</b>	<b>340</b>
Surface Water	≤ 500	1	0	4	0	4
	501 - 3,300	1	0	4	0	0
	3,301 - 10,000	0	0	4	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	3	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>295</b>	<b>245</b>	<b>347</b>	<b>252</b>	<b>340</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.4.d. Barium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,101	992	1,226	1,004	1,202
	501 - 3,300	321	263	380	277	365
	3,301 - 10,000	54	35	76	38	71
	10,001 - 50,000	25	17	36	17	34
	> 50,000	2	0	4	0	3
	<b>GW Total</b>	<b>1,491</b>	<b>1,356</b>	<b>1,630</b>	<b>1,374</b>	<b>1,612</b>
Surface Water	≤ 500	6	0	17	0	13
	501 - 3,300	4	0	12	0	12
	3,301 - 10,000	3	0	11	0	11
	10,001 - 50,000	1	0	6	0	6
	> 50,000	1	0	5	0	5
	<b>SW Total</b>	<b>15</b>	<b>4</b>	<b>29</b>	<b>4</b>	<b>29</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,506</b>	<b>1,368</b>	<b>1,646</b>	<b>1,390</b>	<b>1,628</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.4.e. Barium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	12,671	12,366	12,993	12,410	12,936
	501 - 3,300	3,746	3,606	3,889	3,634	3,869
	3,301 - 10,000	724	678	772	684	767
	10,001 - 50,000	299	272	322	278	320
	> 50,000	36	28	42	30	41
	<b>GW Total</b>	<b>17,422</b>	<b>17,071</b>	<b>17,755</b>	<b>17,131</b>	<b>17,713</b>
Surface Water	≤ 500	244	202	286	211	282
	501 - 3,300	291	244	335	256	331
	3,301 - 10,000	196	160	228	164	224
	10,001 - 50,000	149	122	179	125	172
	> 50,000	99	84	112	86	110
	<b>SW Total</b>	<b>991</b>	<b>911</b>	<b>1,062</b>	<b>926</b>	<b>1,051</b>
<b>Total Ground &amp; Surface Water</b>		<b>18,416</b>	<b>18,052</b>	<b>18,755</b>	<b>18,117</b>	<b>18,716</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.4.f. Barium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
Ground Water	≤ 500	0.103	<b>0.139%</b>	0.0872% - 0.199%	0.0934% - 0.190%	<b>0.562%</b>	0.413% - 0.727%	0.444% - 0.702%
	501 - 3,300	0.106	<b>0.0833%</b>	0.0157% - 0.181%	0.0157% - 0.163%	<b>0.474%</b>	0.258% - 0.722%	0.298% - 0.678%
	3,301 - 10,000	0.100	<b>0.0204%</b>	0.000% - 0.181%	0.000% - 0.154%	<b>0.318%</b>	0.000% - 0.731%	0.000% - 0.635%
	10,001 - 50,000	0.0901	<b>0.0310%</b>	0.000% - 0.130%	0.000% - 0.130%	<b>0.616%</b>	0.130% - 1.15%	0.247% - 1.07%
	> 50,000	0.0704	<b>0.0160%</b>	0.000% - 0.334%	0.000% - 0.000%	<b>0.170%</b>	0.000% - 0.334%	0.000% - 0.334%
Total	0.102	<b>0.0331%</b>	0.00643% - 0.163%	0.00722% - 0.105%	<b>0.368%</b>	0.175% - 0.580%	0.199% - 0.557%	
Surface Water	≤ 500	0.0567	<b>0.00229%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0386%</b>	0.000% - 0.558%	0.000% - 0.558%
	501 - 3,300	0.0579	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0107%</b>	0.000% - 0.205%	0.000% - 0.000%
	3,301 - 10,000	0.0644	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00680%</b>	0.000% - 0.221%	0.000% - 0.000%
	10,001 - 50,000	0.0581	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00181%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0730	<b>0.000344%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00734%</b>	0.000% - 0.172%	0.000% - 0.000%
Total	0.0603	<b>0.000294%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00678%</b>	0.000% - 0.146%	0.000% - 0.00712%	
All Systems - Combined Ground & Surface Water		0.0989	<b>0.0137%</b>	0.00263% - 0.0667%	0.00295% - 0.0632%	<b>0.154%</b>	0.0745% - 0.249%	0.0818% - 0.235%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
Ground Water	≤ 500	0.103	<b>2.66%</b>	2.33% - 3.07%	2.38% - 2.94%	<b>29.7%</b>	28.9% - 30.6%	29.0% - 30.5%
	501 - 3,300	0.106	<b>2.61%</b>	2.05% - 3.17%	2.15% - 3.09%	<b>30.9%</b>	29.7% - 32.1%	29.9% - 31.9%
	3,301 - 10,000	0.100	<b>2.21%</b>	1.46% - 3.02%	1.54% - 2.90%	<b>29.4%</b>	27.4% - 31.5%	27.7% - 31.2%
	10,001 - 50,000	0.0901	<b>2.12%</b>	1.44% - 2.98%	1.50% - 2.79%	<b>24.8%</b>	22.6% - 27.1%	23.0% - 26.6%
	> 50,000	0.0704	<b>0.484%</b>	0.000% - 1.46%	0.000% - 1.07%	<b>14.9%</b>	11.2% - 18.6%	11.9% - 17.9%
Total	0.102	<b>1.51%</b>	1.19% - 1.94%	1.24% - 1.85%	<b>22.0%</b>	20.2% - 23.7%	20.6% - 23.5%	
Surface Water	≤ 500	0.0567	<b>0.474%</b>	0.000% - 1.72%	0.000% - 1.31%	<b>16.7%</b>	13.4% - 20.3%	14.1% - 19.5%
	501 - 3,300	0.0579	<b>0.221%</b>	0.000% - 0.772%	0.000% - 0.686%	<b>17.6%</b>	14.8% - 20.5%	15.1% - 20.1%
	3,301 - 10,000	0.0644	<b>0.226%</b>	0.000% - 0.858%	0.000% - 0.749%	<b>18.4%</b>	14.9% - 21.7%	15.6% - 21.2%
	10,001 - 50,000	0.0581	<b>0.136%</b>	0.000% - 0.570%	0.000% - 0.544%	<b>15.1%</b>	12.0% - 18.2%	12.5% - 17.6%
	> 50,000	0.0730	<b>0.0982%</b>	0.000% - 0.498%	0.000% - 0.394%	<b>46.7%</b>	32.9% - 51.7%	34.7% - 50.7%
Total	0.0603	<b>0.108%</b>	0.000509% - 0.465%	0.000797% - 0.398%	<b>42.0%</b>	30.2% - 46.2%	31.6% - 45.4%	
All Systems - Combined Ground & Surface Water		0.0989	<b>0.678%</b>	0.504% - 0.953%	0.527% - 0.895%	<b>33.8%</b>	26.9% - 36.6%	28.0% - 35.9%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.4.g. Barium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 2 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	9,000	5,700	12,900	6,100	12,400
	501 - 3,300	12,900	2,400	28,000	2,400	25,400
	3,301 - 10,000	3,300	0	24,900	0	21,200
	10,001 - 50,000	10,000	0	31,800	0	31,800
	> 50,000	0	0	84,900	0	0
	<b>GW Total</b>	<b>28,400</b>	<b>5,500</b>	<b>139,600</b>	<b>6,200</b>	<b>90,200</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>29,200</b>	<b>5,600</b>	<b>142,000</b>	<b>6,300</b>	<b>134,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.4.h. Barium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	36,500	26,900	47,200	28,900	45,600
	501 - 3,300	73,600	40,100	112,200	46,300	105,300
	3,301 - 10,000	43,800	0	100,600	0	87,500
	10,001 - 50,000	150,500	31,800	280,400	60,400	260,800
	> 50,000	50,000	0	84,900	0	84,900
	<b>GW Total</b>	<b>315,600</b>	<b>149,500</b>	<b>496,700</b>	<b>170,300</b>	<b>477,200</b>
Surface Water	≤ 500	100	0	1,600	0	1,600
	501 - 3,300	500	0	5,800	0	0
	3,301 - 10,000	0	0	13,500	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	165,600	0	0
	<b>SW Total</b>	<b>8,600</b>	<b>0</b>	<b>185,400</b>	<b>0</b>	<b>9,100</b>
<b>Total Ground &amp; Surface Water</b>		<b>328,700</b>	<b>158,600</b>	<b>530,000</b>	<b>174,300</b>	<b>500,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.4.i. Barium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	173,100	151,200	199,600	154,700	191,300
	501 - 3,300	404,700	318,500	491,500	333,500	479,300
	3,301 - 10,000	303,800	200,600	416,400	211,800	398,900
	10,001 - 50,000	517,400	351,500	727,400	367,100	682,200
	> 50,000	123,200	0	372,200	0	271,500
	<b>GW Total</b>	<b>1,289,500</b>	<b>1,023,000</b>	<b>1,663,900</b>	<b>1,059,000</b>	<b>1,580,800</b>
Surface Water	≤ 500	1,400	0	5,000	0	3,800
	501 - 3,300	6,200	0	21,800	0	19,300
	3,301 - 10,000	13,700	0	52,200	0	45,600
	10,001 - 50,000	29,700	0	124,600	0	118,900
	> 50,000	94,600	0	479,400	0	379,200
	<b>SW Total</b>	<b>137,300</b>	<b>600</b>	<b>591,600</b>	<b>1,000</b>	<b>506,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,444,000</b>	<b>1,074,400</b>	<b>2,030,800</b>	<b>1,122,100</b>	<b>1,907,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.4.j. Barium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,930,800	1,874,900	1,985,400	1,883,300	1,980,200
	501 - 3,300	4,798,100	4,604,000	4,987,500	4,639,700	4,959,500
	3,301 - 10,000	4,051,200	3,773,100	4,332,100	3,807,500	4,296,300
	10,001 - 50,000	6,056,700	5,514,100	6,628,700	5,619,200	6,508,900
	> 50,000	3,788,500	2,842,000	4,737,500	3,017,500	4,544,100
	<b>GW Total</b>	<b>18,858,500</b>	<b>17,299,100</b>	<b>20,340,800</b>	<b>17,616,200</b>	<b>20,152,300</b>
Surface Water	≤ 500	48,900	39,200	59,300	41,300	57,100
	501 - 3,300	495,200	416,600	578,900	425,300	566,000
	3,301 - 10,000	1,120,100	906,600	1,322,800	948,000	1,289,900
	10,001 - 50,000	3,291,000	2,617,900	3,974,900	2,727,200	3,841,600
	> 50,000	44,991,100	31,714,200	49,756,900	33,389,500	48,851,800
	<b>SW Total</b>	<b>53,477,100</b>	<b>38,414,400</b>	<b>58,799,400</b>	<b>40,273,400</b>	<b>57,831,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>72,082,000</b>	<b>57,192,700</b>	<b>77,854,500</b>	<b>59,621,000</b>	<b>76,512,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.5.a. Benzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0005 mg/L			Threshold = 0.0004 mg/L		
Ground Water	≤ 500	0.0000153	<b>0.0216%</b>	0.00664% - 0.0399%	0.0133% - 0.0332%	<b>0.194%</b>	0.120% - 0.286%	0.126% - 0.272%	<b>0.247%</b>	0.153% - 0.352%	0.159% - 0.339%
	501 - 3,300	0.0000201	<b>0.0723%</b>	0.0216% - 0.130%	0.0433% - 0.108%	<b>0.325%</b>	0.216% - 0.454%	0.216% - 0.433%	<b>0.399%</b>	0.260% - 0.562%	0.281% - 0.541%
	3,301 - 10,000	0.0000269	<b>0.0446%</b>	0.000% - 0.172%	0.000% - 0.172%	<b>0.890%</b>	0.600% - 1.20%	0.686% - 1.12%	<b>1.01%</b>	0.686% - 1.37%	0.772% - 1.29%
	10,001 - 50,000	0.0000247	<b>0.0148%</b>	0.000% - 0.151%	0.000% - 0.151%	<b>0.972%</b>	0.754% - 1.21%	0.754% - 1.21%	<b>1.06%</b>	0.754% - 1.36%	0.754% - 1.36%
	> 50,000	0.00000823	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0331%</b>	0.000% - 0.614%	0.000% - 0.614%	<b>0.0687%</b>	0.000% - 0.614%	0.000% - 0.614%
	Total	0.0000172	<b>0.0332%</b>	0.0138% - 0.0554%	0.0185% - 0.0508%	<b>0.282%</b>	0.198% - 0.369%	0.208% - 0.360%	<b>0.344%</b>	0.249% - 0.452%	0.258% - 0.438%
Surface Water	≤ 500	0.00000543	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0277%</b>	0.000% - 0.288%	0.000% - 0.288%	<b>0.0478%</b>	0.000% - 0.288%	0.000% - 0.288%
	501 - 3,300	0.0000141	<b>0.00710%</b>	0.000% - 0.222%	0.000% - 0.000%	<b>0.255%</b>	0.000% - 0.887%	0.000% - 0.665%	<b>0.351%</b>	0.000% - 0.887%	0.000% - 0.887%
	3,301 - 10,000	0.0000143	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.137%</b>	0.000% - 0.676%	0.000% - 0.676%	<b>0.220%</b>	0.000% - 1.01%	0.000% - 0.676%
	10,001 - 50,000	0.0000168	<b>0.00772%</b>	0.000% - 0.297%	0.000% - 0.000%	<b>0.605%</b>	0.297% - 1.19%	0.297% - 1.19%	<b>0.759%</b>	0.297% - 1.48%	0.297% - 1.19%
	> 50,000	0.00000959	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0570%</b>	0.000% - 0.606%	0.000% - 0.606%	<b>0.120%</b>	0.000% - 0.606%	0.000% - 0.606%
	Total	0.0000123	<b>0.00363%</b>	0.000% - 0.0627%	0.000% - 0.0627%	<b>0.237%</b>	0.0627% - 0.501%	0.0627% - 0.439%	<b>0.323%</b>	0.125% - 0.627%	0.125% - 0.564%
All Systems - Combined Ground & Surface Water		0.0000168	<b>0.0313%</b>	0.0172% - 0.0516%	0.0172% - 0.0473%	<b>0.279%</b>	0.198% - 0.370%	0.206% - 0.352%	<b>0.343%</b>	0.245% - 0.456%	0.258% - 0.434%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.5.b. Benzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds  
(Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	9	3	17	6	14
	501 - 3,300	9	3	16	5	13
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	0	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	20	8	33	11	30
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	3	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	4	0	4
<b>Total Ground &amp; Surface Water</b>		20	11	34	11	31

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.5.c. Benzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds  
(Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	84	52	124	55	118
	501 - 3,300	40	26	55	26	53
	3,301 - 10,000	21	14	29	17	27
	10,001 - 50,000	12	9	14	9	14
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	168	118	219	123	214
Surface Water	≤ 500	1	0	4	0	4
	501 - 3,300	4	0	15	0	11
	3,301 - 10,000	1	0	7	0	7
	10,001 - 50,000	6	3	11	3	11
	> 50,000	1	0	2	0	2
	<b>SW Total</b>	13	4	28	4	25
<b>Total Ground &amp; Surface Water</b>		181	129	240	134	229

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.5.d. Benzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds  
(Threshold = 0.0004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	108	66	153	69	147
	501 - 3,300	49	32	68	34	66
	3,301 - 10,000	24	17	33	19	31
	10,001 - 50,000	13	9	16	9	16
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	204	148	269	154	261
Surface Water	≤ 500	1	0	4	0	4
	501 - 3,300	6	0	15	0	15
	3,301 - 10,000	2	0	10	0	7
	10,001 - 50,000	7	3	14	3	11
	> 50,000	1	0	2	0	2
	<b>SW Total</b>	18	7	35	7	32
<b>Total Ground &amp; Surface Water</b>		223	159	296	168	282

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.5.e. Benzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0005 mg/L			Threshold = 0.0004 mg/L		
Ground Water	≤ 500	0.0000153	<b>0.0303%</b>	0.0148% - 0.0517%	0.0185% - 0.0490%	<b>0.222%</b>	0.135% - 0.327%	0.148% - 0.309%	<b>0.277%</b>	0.169% - 0.403%	0.187% - 0.380%
	501 - 3,300	0.0000201	<b>0.0683%</b>	0.0231% - 0.120%	0.0376% - 0.114%	<b>0.354%</b>	0.216% - 0.504%	0.235% - 0.478%	<b>0.432%</b>	0.272% - 0.621%	0.294% - 0.594%
	3,301 - 10,000	0.0000269	<b>0.0497%</b>	0.000% - 0.202%	0.000% - 0.202%	<b>1.03%</b>	0.671% - 1.37%	0.743% - 1.34%	<b>1.16%</b>	0.805% - 1.57%	0.857% - 1.49%
	10,001 - 50,000	0.0000247	<b>0.0135%</b>	0.000% - 0.150%	0.000% - 0.150%	<b>0.962%</b>	0.677% - 1.31%	0.677% - 1.26%	<b>1.05%</b>	0.677% - 1.41%	0.677% - 1.36%
	> 50,000	0.00000823	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0238%</b>	0.000% - 0.323%	0.000% - 0.274%	<b>0.0484%</b>	0.000% - 0.433%	0.000% - 0.369%
	Total	0.0000172	<b>0.0204%</b>	0.00407% - 0.0629%	0.00546% - 0.0557%	<b>0.481%</b>	0.340% - 0.632%	0.360% - 0.616%	<b>0.546%</b>	0.399% - 0.758%	0.417% - 0.707%
Surface Water	≤ 500	0.00000543	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0264%</b>	0.000% - 0.399%	0.000% - 0.175%	<b>0.0473%</b>	0.000% - 0.638%	0.000% - 0.399%
	501 - 3,300	0.0000141	<b>0.00405%</b>	0.000% - 0.130%	0.000% - 0.000%	<b>0.214%</b>	0.000% - 0.817%	0.000% - 0.657%	<b>0.309%</b>	0.000% - 1.05%	0.000% - 0.860%
	3,301 - 10,000	0.0000143	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.134%</b>	0.000% - 0.768%	0.000% - 0.629%	<b>0.214%</b>	0.000% - 1.03%	0.000% - 0.867%
	10,001 - 50,000	0.0000168	<b>0.00448%</b>	0.000% - 0.172%	0.000% - 0.000%	<b>0.404%</b>	0.151% - 1.04%	0.151% - 0.922%	<b>0.525%</b>	0.151% - 1.20%	0.151% - 1.11%
	> 50,000	0.00000959	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0266%</b>	0.000% - 0.286%	0.000% - 0.143%	<b>0.0472%</b>	0.000% - 0.451%	0.000% - 0.266%
	Total	0.0000123	<b>0.000625%</b>	0.000% - 0.0220%	0.000% - 0.00163%	<b>0.0805%</b>	0.0194% - 0.283%	0.0210% - 0.206%	<b>0.117%</b>	0.0244% - 0.451%	0.0322% - 0.315%
All Systems - Combined Ground & Surface Water		0.0000168	<b>0.00947%</b>	0.00188% - 0.0300%	0.00244% - 0.0258%	<b>0.260%</b>	0.176% - 0.389%	0.183% - 0.353%	<b>0.309%</b>	0.211% - 0.514%	0.222% - 0.445%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.5.f. Benzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,000	1,000	3,400	1,200	3,200
	501 - 3,300	10,600	3,600	18,600	5,800	17,600
	3,301 - 10,000	6,800	0	27,800	0	27,800
	10,001 - 50,000	0	0	36,600	0	36,600
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>17,500</b>	<b>3,500</b>	<b>53,900</b>	<b>4,700</b>	<b>47,700</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	3,700	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	37,500	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>800</b>	<b>0</b>	<b>28,000</b>	<b>0</b>	<b>2,100</b>
<b>Total Ground &amp; Surface Water</b>		<b>20,200</b>	<b>4,000</b>	<b>63,800</b>	<b>5,200</b>	<b>54,800</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.5.g. Benzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	14,400	8,800	21,300	9,600	20,100
	501 - 3,300	54,900	33,600	78,200	36,600	74,200
	3,301 - 10,000	142,200	92,400	188,500	102,300	185,100
	10,001 - 50,000	235,200	165,500	321,200	165,500	307,200
	> 50,000	0	0	82,300	0	69,800
	<b>GW Total</b>	412,100	291,700	541,300	308,000	527,500
Surface Water	≤ 500	100	0	1,200	0	500
	501 - 3,300	6,000	0	23,000	0	18,500
	3,301 - 10,000	8,200	0	46,700	0	38,300
	10,001 - 50,000	88,400	33,000	226,400	33,000	201,400
	> 50,000	25,600	0	275,000	0	137,200
	<b>SW Total</b>	102,500	24,700	359,800	26,700	262,000
<b>Total Ground &amp; Surface Water</b>		553,400	374,000	828,800	389,800	750,900

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.5.h. Benzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	18,000	11,000	26,200	12,100	24,700
	501 - 3,300	67,000	42,300	96,300	45,700	92,200
	3,301 - 10,000	160,300	110,900	215,800	118,000	204,600
	10,001 - 50,000	256,900	165,500	345,100	165,500	332,200
	> 50,000	0	0	110,200	0	93,800
	<b>GW Total</b>	<b>468,200</b>	<b>341,800</b>	<b>649,200</b>	<b>356,900</b>	<b>605,600</b>
Surface Water	≤ 500	100	0	1,900	0	1,200
	501 - 3,300	8,700	0	29,700	0	24,200
	3,301 - 10,000	13,000	0	62,900	0	52,800
	10,001 - 50,000	114,700	33,000	262,400	33,000	243,200
	> 50,000	45,400	0	434,300	0	256,100
	<b>SW Total</b>	<b>148,500</b>	<b>31,100</b>	<b>574,200</b>	<b>40,900</b>	<b>401,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>658,000</b>	<b>449,900</b>	<b>1,095,300</b>	<b>472,500</b>	<b>948,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.6.a. Benzo(a)pyrene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
				Threshold = 0.0002 mg/L			Threshold = 0.0001 mg/L	
Ground Water	≤ 500	0.00000730	<b>0.000307%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000307%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000540	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000887%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000420	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000650	<b>0.0000200%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000220%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.00000173	<b>0.000858%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000858%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000103	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000542%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000441	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000716	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000103	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000970	<b>0.000156%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000313%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000686	<b>0.0000354%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000230%</b>	0.000% - 0.00886%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
				Threshold = 0.00005 mg/L			Threshold = 0.00002 mg/L	
Ground Water	≤ 500	0.00000730	<b>0.00234%</b>	0.000% - 0.0154%	0.000% - 0.0154%	<b>0.0329%</b>	0.000% - 0.108%	0.000% - 0.0922%
	501 - 3,300	0.00000540	<b>0.00266%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00789%</b>	0.000% - 0.0443%	0.000% - 0.0443%
	3,301 - 10,000	0.00000420	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00241%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000116	<b>0.00458%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0992%</b>	0.000% - 0.763%	0.000% - 0.763%
	Total	0.00000650	<b>0.00164%</b>	0.000% - 0.0100%	0.000% - 0.0100%	<b>0.0247%</b>	0.000% - 0.0699%	0.000% - 0.0599%
Surface Water	≤ 500	0.00000173	<b>0.00773%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.303%</b>	0.000% - 1.72%	0.000% - 1.29%
	501 - 3,300	0.00000103	<b>0.00542%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0916%</b>	0.000% - 0.542%	0.000% - 0.542%
	3,301 - 10,000	0.00000441	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00407%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000716	<b>0.00269%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0377%</b>	0.000% - 0.337%	0.000% - 0.337%
	> 50,000	0.00000103	<b>0.00296%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0504%</b>	0.000% - 0.741%	0.000% - 0.741%
	Total	0.00000970	<b>0.00391%</b>	0.000% - 0.0781%	0.000% - 0.000%	<b>0.0964%</b>	0.000% - 0.313%	0.000% - 0.313%
All Systems - Combined Ground & Surface Water		0.00000686	<b>0.00190%</b>	0.000% - 0.0177%	0.000% - 0.00886%	<b>0.0328%</b>	0.000% - 0.0886%	0.000% - 0.0797%

All mean concentration and percentage estimates are expressed to three significant figures



**Table C.6.b. Benzo(a)pyrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.6.c. Benzo(a)pyrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.6.d. Benzo(a)pyrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1	0	7	0	7
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>6</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>1</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>6</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.6.e. Benzo(a)pyrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	14	0	47	0	40
	501 - 3,300	1	0	5	0	5
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>15</b>	<b>0</b>	<b>42</b>	<b>0</b>	<b>36</b>
Surface Water	≤ 500	5	0	26	0	20
	501 - 3,300	2	0	9	0	9
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	1	0	3	0	3
	> 50,000	0	0	3	0	3
	<b>SW Total</b>	<b>5</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>17</b>
<b>Total Ground &amp; Surface Water</b>		<b>21</b>	<b>0</b>	<b>58</b>	<b>0</b>	<b>52</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.6.f. Benzo(a)pyrene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.0002 mg/L			Threshold = 0.0001 mg/L		
Ground Water	≤ 500	0.000000730	<b>0.0000176%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000305%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000540	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000162%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000420	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000650	<b>0.000000514%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000226%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.00000173	<b>0.00226%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00226%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000103	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000766%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000441	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000716	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000103	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000970	<b>0.00000188%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000111%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000000686	<b>0.00000134%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000157%</b>	0.000% - 0.000102%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.00005 mg/L			Threshold = 0.00002 mg/L		
Ground Water	≤ 500	0.000000730	<b>0.00263%</b>	0.000% - 0.0274%	0.000% - 0.0245%	<b>0.0383%</b>	0.000% - 0.129%	0.000% - 0.108%
	501 - 3,300	0.000000540	<b>0.000274%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00675%</b>	0.000% - 0.0683%	0.000% - 0.0442%
	3,301 - 10,000	0.000000420	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00162%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000116	<b>0.00298%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0677%</b>	0.000% - 0.580%	0.000% - 0.492%
	Total	0.000000650	<b>0.00156%</b>	0.000% - 0.00100%	0.000% - 0.000713%	<b>0.0352%</b>	0.000% - 0.285%	0.000% - 0.242%
Surface Water	≤ 500	0.00000173	<b>0.0117%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.404%</b>	0.000% - 2.31%	0.000% - 1.85%
	501 - 3,300	0.00000103	<b>0.00760%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.106%</b>	0.000% - 0.703%	0.000% - 0.514%
	3,301 - 10,000	0.000000441	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00300%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000716	<b>0.00203%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0315%</b>	0.000% - 0.254%	0.000% - 0.254%
	> 50,000	0.00000103	<b>0.000802%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0393%</b>	0.000% - 0.277%	0.000% - 0.165%
	Total	0.000000970	<b>0.00103%</b>	0.000% - 0.00462%	0.000% - 0.000%	<b>0.0384%</b>	0.000% - 0.243%	0.000% - 0.140%
All Systems - Combined Ground & Surface Water		0.000000686	<b>0.00124%</b>	0.000% - 0.00289%	0.000% - 0.000527%	<b>0.0371%</b>	0.000% - 0.230%	0.000% - 0.147%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.6.g. Benzo(a)pyrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.6.h. Benzo(a)pyrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>200</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.6.i. Benzo(a)pyrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	200	0	1,800	0	1,600
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	1,300	0	900	0	600
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1,300	0	5,900	0	0
<b>Total Ground &amp; Surface Water</b>		2,600	0	6,200	0	1,100

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.6.j. Benzo(a)pyrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,500	0	8,400	0	7,000
	501 - 3,300	1,000	0	10,600	0	6,900
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	147,600	0	125,100
	<b>GW Total</b>	<b>30,100</b>	<b>0</b>	<b>244,500</b>	<b>0</b>	<b>207,200</b>
Surface Water	≤ 500	1,200	0	6,700	0	5,400
	501 - 3,300	3,000	0	19,800	0	14,500
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	10,000	0	55,400	0	55,400
	> 50,000	0	0	266,400	0	159,200
	<b>SW Total</b>	<b>48,900</b>	<b>0</b>	<b>309,500</b>	<b>0</b>	<b>178,400</b>
<b>Total Ground &amp; Surface Water</b>		<b>79,000</b>	<b>0</b>	<b>488,900</b>	<b>0</b>	<b>312,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.7.a. Beryllium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.01 mg/L			Threshold = 0.004 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.0000797	<b>0.00956%</b>	0.000% - 0.0335%	0.000% - 0.0251%	<b>0.0878%</b>	0.0335% - 0.151%	0.0418% - 0.142%	<b>1.16%</b>	0.929% - 1.39%	0.962% - 1.36%
	501 - 3,300	0.0000638	<b>0.00481%</b>	0.000% - 0.0261%	0.000% - 0.0261%	<b>0.0666%</b>	0.000% - 0.157%	0.000% - 0.131%	<b>0.875%</b>	0.575% - 1.23%	0.627% - 1.15%
	3,301 - 10,000	0.0000662	<b>0.0181%</b>	0.000% - 0.102%	0.000% - 0.102%	<b>0.129%</b>	0.000% - 0.306%	0.000% - 0.306%	<b>0.894%</b>	0.510% - 1.43%	0.510% - 1.33%
	10,001 - 50,000	0.0000911	<b>0.00308%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0408%</b>	0.000% - 0.343%	0.000% - 0.171%	<b>1.62%</b>	0.856% - 2.57%	1.03% - 2.40%
	> 50,000	0.0000940	<b>0.00121%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0277%</b>	0.000% - 0.602%	0.000% - 0.000%	<b>1.27%</b>	0.000% - 3.01%	0.000% - 2.41%
	Total	0.0000760	<b>0.00870%</b>	0.000% - 0.0229%	0.000% - 0.0229%	<b>0.0833%</b>	0.0400% - 0.137%	0.0514% - 0.126%	<b>1.10%</b>	0.908% - 1.29%	0.942% - 1.26%
Surface Water	≤ 500	0.0000446	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0117%</b>	0.000% - 0.325%	0.000% - 0.000%	<b>0.439%</b>	0.000% - 1.30%	0.000% - 1.30%
	501 - 3,300	0.0000530	<b>0.000481%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0111%</b>	0.000% - 0.240%	0.000% - 0.000%	<b>0.734%</b>	0.240% - 1.44%	0.240% - 1.44%
	3,301 - 10,000	0.0000699	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0107%</b>	0.000% - 0.380%	0.000% - 0.000%	<b>0.639%</b>	0.000% - 1.90%	0.000% - 1.52%
	10,001 - 50,000	0.0000778	<b>0.00202%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0303%</b>	0.000% - 0.337%	0.000% - 0.337%	<b>1.07%</b>	0.000% - 2.36%	0.337% - 2.02%
	> 50,000	0.0000627	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.823%</b>	0.000% - 2.14%	0.000% - 2.14%
	Total	0.0000604	<b>0.000562%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0140%</b>	0.000% - 0.0702%	0.000% - 0.0702%	<b>0.731%</b>	0.351% - 1.19%	0.421% - 1.12%
All Systems - Combined Ground & Surface Water		0.0000748	<b>0.00809%</b>	0.000% - 0.0211%	0.000% - 0.0211%	<b>0.0781%</b>	0.0370% - 0.127%	0.0475% - 0.116%	<b>1.07%</b>	0.882% - 1.25%	0.914% - 1.23%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.7.b. Beryllium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.01 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	4	0	15	0	11
	501 - 3,300	1	0	3	0	3
	3,301 - 10,000	1	0	2	0	2
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>5</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>14</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>5</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>14</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.7.c. Beryllium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	38	15	66	18	62
	501 - 3,300	8	0	19	0	16
	3,301 - 10,000	3	0	7	0	7
	10,001 - 50,000	1	0	4	0	2
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>50</b>	<b>24</b>	<b>81</b>	<b>31</b>	<b>75</b>
Surface Water	≤ 500	0	0	5	0	0
	501 - 3,300	1	0	4	0	0
	3,301 - 10,000	0	0	4	0	0
	10,001 - 50,000	1	0	3	0	3
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>51</b>	<b>24</b>	<b>82</b>	<b>31</b>	<b>76</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.7.d. Beryllium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	505	404	604	419	590
	501 - 3,300	106	70	149	76	140
	3,301 - 10,000	21	12	34	12	32
	10,001 - 50,000	19	10	31	12	29
	> 50,000	2	0	6	0	5
	<b>GW Total</b>	<b>653</b>	<b>540</b>	<b>764</b>	<b>560</b>	<b>750</b>
Surface Water	≤ 500	7	0	20	0	20
	501 - 3,300	13	4	25	4	25
	3,301 - 10,000	6	0	19	0	15
	10,001 - 50,000	10	0	22	3	19
	> 50,000	3	0	9	0	9
	<b>SW Total</b>	<b>41</b>	<b>20</b>	<b>67</b>	<b>24</b>	<b>63</b>
<b>Total Ground &amp; Surface Water</b>		<b>696</b>	<b>574</b>	<b>814</b>	<b>594</b>	<b>801</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.7.e. Beryllium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.01 mg/L			Threshold = 0.004 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.0000797	<b>0.0112%</b>	0.000% - 0.0449%	0.000% - 0.0387%	<b>0.0985%</b>	0.0304% - 0.187%	0.0380% - 0.162%	<b>1.25%</b>	0.949% - 1.54%	1.02% - 1.51%
	501 - 3,300	0.0000638	<b>0.00506%</b>	0.000% - 0.0445%	0.000% - 0.0437%	<b>0.0658%</b>	0.000% - 0.167%	0.000% - 0.150%	<b>0.869%</b>	0.551% - 1.22%	0.610% - 1.18%
	3,301 - 10,000	0.0000662	<b>0.0165%</b>	0.000% - 0.114%	0.000% - 0.114%	<b>0.121%</b>	0.000% - 0.304%	0.000% - 0.284%	<b>0.799%</b>	0.408% - 1.31%	0.469% - 1.22%
	10,001 - 50,000	0.0000911	<b>0.00260%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0372%</b>	0.000% - 0.335%	0.000% - 0.210%	<b>1.68%</b>	0.680% - 2.87%	0.844% - 2.64%
	> 50,000	0.0000940	<b>0.000603%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0146%</b>	0.000% - 0.301%	0.000% - 0.000%	<b>1.02%</b>	0.000% - 2.58%	0.000% - 2.35%
	Total	0.0000760	<b>0.00403%</b>	0.000% - 0.0255%	0.000% - 0.0153%	<b>0.0430%</b>	0.00586% - 0.174%	0.00787% - 0.142%	<b>1.17%</b>	0.595% - 1.96%	0.646% - 1.89%
Surface Water	≤ 500	0.0000446	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0106%</b>	0.000% - 0.130%	0.000% - 0.000%	<b>0.408%</b>	0.000% - 1.44%	0.000% - 1.21%
	501 - 3,300	0.0000530	<b>0.000830%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0151%</b>	0.000% - 0.357%	0.000% - 0.000%	<b>0.989%</b>	0.357% - 2.02%	0.357% - 1.82%
	3,301 - 10,000	0.0000699	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0101%</b>	0.000% - 0.225%	0.000% - 0.000%	<b>0.633%</b>	0.000% - 1.93%	0.000% - 1.66%
	10,001 - 50,000	0.0000778	<b>0.00187%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0254%</b>	0.000% - 0.368%	0.000% - 0.241%	<b>1.06%</b>	0.000% - 2.26%	0.169% - 2.09%
	> 50,000	0.0000627	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.210%</b>	0.000% - 0.885%	0.000% - 0.793%
	Total	0.0000604	<b>0.000227%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00341%</b>	0.000% - 0.0427%	0.000% - 0.0280%	<b>0.330%</b>	0.0558% - 0.911%	0.0854% - 0.808%
All Systems - Combined Ground & Surface Water		0.0000748	<b>0.00190%</b>	0.000% - 0.0128%	0.000% - 0.00720%	<b>0.0208%</b>	0.00278% - 0.0781%	0.00380% - 0.0632%	<b>0.699%</b>	0.356% - 1.18%	0.417% - 1.07%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.7.f. Beryllium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds(Threshold = 0.01 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	700	0	2,900	0	2,500
	501 - 3,300	800	0	6,900	0	6,800
	3,301 - 10,000	3,300	0	15,800	0	15,800
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3,500</b>	<b>0</b>	<b>21,900</b>	<b>0</b>	<b>13,100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>4,100</b>	<b>0</b>	<b>27,200</b>	<b>0</b>	<b>15,300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.7.g. Beryllium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	6,400	2,000	12,100	2,500	10,600
	501 - 3,300	10,200	0	25,900	0	23,300
	3,301 - 10,000	16,700	0	41,900	0	39,100
	10,001 - 50,000	10,000	0	81,900	0	51,400
	> 50,000	0	0	76,700	0	0
	<b>GW Total</b>	<b>36,800</b>	<b>5,000</b>	<b>148,700</b>	<b>6,700</b>	<b>121,700</b>
Surface Water	≤ 500	0	0	400	0	0
	501 - 3,300	500	0	10,100	0	0
	3,301 - 10,000	0	0	13,700	0	0
	10,001 - 50,000	10,000	0	80,500	0	52,700
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>4,300</b>	<b>0</b>	<b>54,400</b>	<b>0</b>	<b>35,600</b>
<b>Total Ground &amp; Surface Water</b>		<b>44,400</b>	<b>5,900</b>	<b>166,300</b>	<b>8,100</b>	<b>134,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.7.h. Beryllium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds(Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	81,000	61,600	100,000	66,100	98,000
	501 - 3,300	134,900	85,500	188,800	94,700	182,900
	3,301 - 10,000	110,100	56,200	180,100	64,600	168,400
	10,001 - 50,000	410,600	166,200	701,200	206,300	645,500
	> 50,000	260,000	0	657,400	0	598,200
	<b>GW Total</b>	<b>1,002,500</b>	<b>509,700</b>	<b>1,681,900</b>	<b>553,100</b>	<b>1,616,800</b>
Surface Water	≤ 500	1,200	0	4,200	0	3,500
	501 - 3,300	27,900	10,100	56,900	10,100	51,300
	3,301 - 10,000	38,500	0	117,200	0	100,900
	10,001 - 50,000	231,400	0	494,100	37,000	455,600
	> 50,000	201,900	0	851,900	0	763,100
	<b>SW Total</b>	<b>419,500</b>	<b>71,000</b>	<b>1,159,600</b>	<b>108,700</b>	<b>1,028,400</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,489,600</b>	<b>758,500</b>	<b>2,519,900</b>	<b>887,400</b>	<b>2,283,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.8.a. Bis(2-ethylhexyl)adipate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%		
				Credible Interval			Credible Interval		Credible Interval	
				Threshold = 0.4 mg/L				Threshold = 0.2 mg/L		
Ground Water	≤ 500	0.0000922	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	501 - 3,300	0.0000648	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	3,301 - 10,000	0.0000878	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	10,001 - 50,000	0.0000381	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	> 50,000	0.0000250	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	Total	0.0000832	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
Surface Water	≤ 500	0.000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	501 - 3,300	0.000180	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	3,301 - 10,000	0.000296	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	10,001 - 50,000	0.000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	> 50,000	0.0000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
	Total	0.000203	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
All Systems - Combined Ground & Surface Water		0.0000968	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%		
				Credible Interval			Credible Interval		Credible Interval	
				Threshold = 0.1 mg/L				Threshold = 0.0006 mg/L		
Ground Water	≤ 500	0.0000922	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.76%</b>	2.30% - 3.23%	2.37% - 3.17%		
	501 - 3,300	0.0000648	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.65%</b>	1.13% - 2.21%	1.22% - 2.12%		
	3,301 - 10,000	0.0000878	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.52%</b>	1.36% - 3.75%	1.53% - 3.75%		
	10,001 - 50,000	0.0000381	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.426%</b>	0.000% - 1.15%	0.000% - 1.15%		
	> 50,000	0.0000250	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.311%</b>	0.000% - 1.27%	0.000% - 1.27%		
	Total	0.0000832	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.39%</b>	2.02% - 2.77%	2.08% - 2.71%		
Surface Water	≤ 500	0.000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>8.77%</b>	5.29% - 12.8%	5.29% - 11.9%		
	501 - 3,300	0.000180	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>7.00%</b>	4.43% - 9.97%	4.71% - 9.42%		
	3,301 - 10,000	0.000296	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>13.1%</b>	9.54% - 17.0%	9.96% - 16.2%		
	10,001 - 50,000	0.000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>6.49%</b>	3.96% - 8.99%	4.68% - 8.63%		
	> 50,000	0.0000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.82%</b>	0.000% - 4.26%	0.000% - 3.19%		
	Total	0.000203	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>8.03%</b>	6.66% - 9.41%	6.83% - 9.24%		
All Systems - Combined Ground & Surface Water		0.0000968	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.03%</b>	2.66% - 3.39%	2.71% - 3.34%		

All mean concentration and percentage estimates are expressed to three significant figures

**Table C.8.b. Bis(2-ethylhexyl)adipate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.4 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.8.c. Bis(2-ethylhexyl)adipate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.8.d. Bis(2-ethylhexyl)adipate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.8.e. Bis(2-ethylhexyl)adipate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0006 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,201	1,001	1,405	1,029	1,377
	501 - 3,300	200	137	269	149	257
	3,301 - 10,000	60	33	90	37	90
	10,001 - 50,000	5	0	14	0	14
	> 50,000	1	0	2	0	2
	<b>GW Total</b>	<b>1,418</b>	<b>1,202</b>	<b>1,645</b>	<b>1,233</b>	<b>1,613</b>
Surface Water	≤ 500	135	81	196	81	183
	501 - 3,300	119	76	170	80	161
	3,301 - 10,000	132	97	172	101	164
	10,001 - 50,000	61	37	84	44	81
	> 50,000	7	0	17	0	13
	<b>SW Total</b>	<b>449</b>	<b>372</b>	<b>526</b>	<b>382</b>	<b>517</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,968</b>	<b>1,730</b>	<b>2,203</b>	<b>1,761</b>	<b>2,173</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.8.f. Bis(2-ethylhexyl)adipate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.4 mg/L			Threshold = 0.2 mg/L		
Ground Water	≤ 500	0.0000922	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000648	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000878	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000381	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000250	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000832	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Surface Water	≤ 500	0.000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.000180	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.000296	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.000203	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.0000968	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.1 mg/L			Threshold = 0.0006 mg/L		
Ground Water	≤ 500	0.0000922	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.89%</b>	2.36% - 3.46%	2.42% - 3.37%	
	501 - 3,300	0.0000648	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.66%</b>	1.05% - 2.25%	1.16% - 2.16%	
	3,301 - 10,000	0.0000878	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.35%</b>	1.28% - 3.77%	1.42% - 3.53%	
	10,001 - 50,000	0.0000381	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.382%</b>	0.000% - 1.31%	0.000% - 1.07%	
	> 50,000	0.0000250	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.267%</b>	0.000% - 1.16%	0.000% - 0.837%	
	Total	0.0000832	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.814%</b>	0.483% - 1.35%	0.517% - 1.24%	
Surface Water	≤ 500	0.000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>9.31%</b>	5.42% - 13.8%	5.90% - 13.0%	
	501 - 3,300	0.000180	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>6.80%</b>	3.87% - 10.1%	4.46% - 9.56%	
	3,301 - 10,000	0.000296	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>12.6%</b>	8.93% - 16.5%	9.30% - 16.1%	
	10,001 - 50,000	0.000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>5.90%</b>	3.33% - 8.47%	3.79% - 8.14%	
	> 50,000	0.0000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.02%</b>	0.000% - 4.11%	0.000% - 2.13%	
	Total	0.000203	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.54%</b>	1.57% - 4.86%	1.67% - 3.74%	
All Systems - Combined Ground & Surface Water		0.0000968	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.78%</b>	1.20% - 3.28%	1.24% - 2.57%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.8.g. Bis(2-ethylhexyl)adipate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.4 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.8.h. Bis(2-ethylhexyl)adipate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.8.i. Bis(2-ethylhexyl)adipate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.8.j. Bis(2-ethylhexyl)adipate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0006 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	187,600	153,200	224,800	157,000	219,200
	501 - 3,300	257,900	162,300	349,700	180,000	336,000
	3,301 - 10,000	324,000	176,800	518,700	195,000	486,500
	10,001 - 50,000	93,400	0	319,200	0	260,800
	> 50,000	68,000	0	295,100	0	212,900
	<b>GW Total</b>	<b>697,800</b>	<b>414,200</b>	<b>1,155,800</b>	<b>443,100</b>	<b>1,059,900</b>
Surface Water	≤ 500	27,200	15,900	40,400	17,200	38,100
	501 - 3,300	191,700	108,900	285,800	125,600	269,400
	3,301 - 10,000	768,500	543,000	1,004,500	565,800	979,000
	10,001 - 50,000	1,290,200	728,600	1,851,300	828,600	1,778,600
	> 50,000	977,200	0	3,960,900	0	2,045,900
	<b>SW Total</b>	<b>3,237,900</b>	<b>1,993,900</b>	<b>6,183,000</b>	<b>2,126,400</b>	<b>4,760,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,800,100</b>	<b>2,558,200</b>	<b>6,986,700</b>	<b>2,647,700</b>	<b>5,476,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.9.a. Bis(2-ethylhexyl)phthalate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.006 mg/L			Threshold = 0.003 mg/L			Threshold = 0.0006 mg/L		
Ground Water	≤ 500	0.000287	<b>0.305%</b>	0.147% - 0.479%	0.166% - 0.442%	<b>1.05%</b>	0.681% - 1.40%	0.773% - 1.36%	<b>10.5%</b>	9.30% - 11.7%	9.43% - 11.5%
	501 - 3,300	0.000231	<b>0.155%</b>	0.000% - 0.343%	0.0490% - 0.294%	<b>0.715%</b>	0.392% - 1.13%	0.441% - 1.03%	<b>8.50%</b>	7.20% - 9.99%	7.39% - 9.74%
	3,301 - 10,000	0.000251	<b>0.155%</b>	0.000% - 0.525%	0.000% - 0.525%	<b>0.719%</b>	0.175% - 1.58%	0.175% - 1.40%	<b>9.98%</b>	7.71% - 12.4%	8.06% - 12.1%
	10,001 - 50,000	0.000276	<b>0.443%</b>	0.000% - 0.969%	0.000% - 0.726%	<b>1.07%</b>	0.484% - 1.70%	0.484% - 1.70%	<b>9.22%</b>	6.78% - 11.6%	7.26% - 11.4%
	> 50,000	0.000208	<b>0.121%</b>	0.000% - 0.758%	0.000% - 0.758%	<b>0.785%</b>	0.000% - 2.27%	0.000% - 1.52%	<b>6.64%</b>	3.03% - 10.6%	3.79% - 9.85%
	Total	0.000269	<b>0.263%</b>	0.151% - 0.396%	0.163% - 0.373%	<b>0.944%</b>	0.698% - 1.23%	0.722% - 1.20%	<b>9.85%</b>	8.93% - 10.8%	9.07% - 10.7%
Surface Water	≤ 500	0.000382	<b>0.350%</b>	0.000% - 1.23%	0.000% - 1.23%	<b>1.42%</b>	0.000% - 3.68%	0.000% - 3.07%	<b>16.3%</b>	9.82% - 23.9%	11.0% - 22.1%
	501 - 3,300	0.000274	<b>0.107%</b>	0.000% - 0.995%	0.000% - 0.498%	<b>0.705%</b>	0.000% - 1.99%	0.000% - 1.99%	<b>11.5%</b>	6.97% - 16.4%	7.96% - 15.4%
	3,301 - 10,000	0.000226	<b>0.0323%</b>	0.000% - 0.769%	0.000% - 0.000%	<b>0.277%</b>	0.000% - 1.54%	0.000% - 1.54%	<b>9.44%</b>	4.62% - 14.6%	5.39% - 13.9%
	10,001 - 50,000	0.000333	<b>0.262%</b>	0.000% - 0.926%	0.000% - 0.926%	<b>1.41%</b>	0.463% - 2.78%	0.463% - 2.32%	<b>13.8%</b>	10.2% - 17.6%	10.7% - 17.1%
	> 50,000	0.000351	<b>0.111%</b>	0.000% - 0.855%	0.000% - 0.855%	<b>0.889%</b>	0.000% - 3.42%	0.000% - 2.56%	<b>15.6%</b>	10.3% - 22.2%	10.3% - 21.4%
	Total	0.000314	<b>0.184%</b>	0.000% - 0.484%	0.000% - 0.484%	<b>0.988%</b>	0.363% - 1.69%	0.484% - 1.57%	<b>13.3%</b>	10.8% - 15.7%	11.4% - 15.4%
All Systems - Combined Ground & Surface Water		0.000273	<b>0.256%</b>	0.149% - 0.393%	0.159% - 0.372%	<b>0.948%</b>	0.690% - 1.24%	0.733% - 1.20%	<b>10.2%</b>	9.22% - 11.1%	9.45% - 11.0%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.9.b. Bis(2-ethylhexyl)phthalate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	132	64	208	72	192
	501 - 3,300	19	0	42	6	36
	3,301 - 10,000	4	0	13	0	13
	10,001 - 50,000	5	0	12	0	9
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	156	90	235	97	221
Surface Water	≤ 500	5	0	19	0	19
	501 - 3,300	2	0	17	0	8
	3,301 - 10,000	1	0	8	0	0
	10,001 - 50,000	2	0	9	0	9
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	10	0	27	0	27
<b>Total Ground &amp; Surface Water</b>		166	97	256	104	242

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.9.c. Bis(2-ethylhexyl)phthalate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	456	296	609	336	592
	501 - 3,300	87	48	137	54	125
	3,301 - 10,000	17	4	38	4	34
	10,001 - 50,000	13	6	20	6	20
	> 50,000	1	0	4	0	3
	<b>GW Total</b>	<b>561</b>	<b>415</b>	<b>733</b>	<b>429</b>	<b>713</b>
Surface Water	≤ 500	22	0	57	0	47
	501 - 3,300	12	0	34	0	34
	3,301 - 10,000	3	0	16	0	16
	10,001 - 50,000	13	4	26	4	22
	> 50,000	4	0	14	0	10
	<b>SW Total</b>	<b>55</b>	<b>20</b>	<b>95</b>	<b>27</b>	<b>88</b>
<b>Total Ground &amp; Surface Water</b>		<b>616</b>	<b>449</b>	<b>808</b>	<b>476</b>	<b>780</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.9.d. Bis(2-ethylhexyl)phthalate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0006 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	4,554	4,044	5,085	4,100	5,020
	501 - 3,300	1,033	875	1,214	899	1,184
	3,301 - 10,000	240	185	299	194	291
	10,001 - 50,000	110	81	138	86	135
	> 50,000	13	6	20	7	19
	<b>GW Total</b>	<b>5,856</b>	<b>5,307</b>	<b>6,420</b>	<b>5,390</b>	<b>6,354</b>
Surface Water	≤ 500	251	151	368	170	340
	501 - 3,300	196	119	280	136	263
	3,301 - 10,000	96	47	148	54	140
	10,001 - 50,000	129	95	164	99	160
	> 50,000	63	41	89	41	86
	<b>SW Total</b>	<b>745</b>	<b>601</b>	<b>879</b>	<b>636</b>	<b>859</b>
<b>Total Ground &amp; Surface Water</b>		<b>6,607</b>	<b>5,993</b>	<b>7,199</b>	<b>6,145</b>	<b>7,147</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.9.e. Bis(2-ethylhexyl)phthalate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%			
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval			
			Threshold = 0.006 mg/L				Threshold = 0.003 mg/L				Threshold = 0.0006 mg/L			
Ground Water	≤ 500	0.000287	<b>0.299%</b>	0.133% - 0.524%	0.160% - 0.452%	<b>1.00%</b>	0.647% - 1.38%	0.702% - 1.31%	<b>10.2%</b>	8.91% - 11.6%	9.15% - 11.4%			
	501 - 3,300	0.000231	<b>0.164%</b>	0.000% - 0.378%	0.0217% - 0.339%	<b>0.720%</b>	0.399% - 1.17%	0.432% - 1.06%	<b>8.89%</b>	7.47% - 10.4%	7.68% - 10.2%			
	3,301 - 10,000	0.000251	<b>0.151%</b>	0.000% - 0.515%	0.000% - 0.459%	<b>0.688%</b>	0.119% - 1.58%	0.166% - 1.40%	<b>10.2%</b>	7.97% - 12.7%	8.26% - 12.4%			
	10,001 - 50,000	0.000276	<b>0.407%</b>	0.000% - 0.998%	0.000% - 0.938%	<b>1.09%</b>	0.280% - 1.84%	0.394% - 1.75%	<b>9.25%</b>	6.67% - 12.0%	7.07% - 11.4%			
	> 50,000	0.000208	<b>0.0678%</b>	0.000% - 0.409%	0.000% - 0.342%	<b>0.410%</b>	0.000% - 1.28%	0.000% - 0.999%	<b>4.98%</b>	1.69% - 9.72%	2.17% - 8.88%			
	Total	0.000269	<b>0.189%</b>	0.0215% - 0.463%	0.0411% - 0.414%	<b>0.676%</b>	0.326% - 1.19%	0.369% - 1.02%	<b>7.22%</b>	5.45% - 9.92%	5.69% - 9.27%			
Surface Water	≤ 500	0.000382	<b>0.510%</b>	0.000% - 2.36%	0.000% - 1.85%	<b>1.84%</b>	0.000% - 4.76%	0.000% - 4.19%	<b>17.7%</b>	10.5% - 25.7%	11.6% - 24.5%			
	501 - 3,300	0.000274	<b>0.0839%</b>	0.000% - 0.757%	0.000% - 0.591%	<b>0.558%</b>	0.000% - 1.96%	0.000% - 1.59%	<b>11.3%</b>	6.70% - 16.1%	7.45% - 15.5%			
	3,301 - 10,000	0.000226	<b>0.0278%</b>	0.000% - 0.477%	0.000% - 0.000%	<b>0.251%</b>	0.000% - 1.32%	0.000% - 1.25%	<b>9.16%</b>	4.60% - 14.1%	5.45% - 13.3%			
	10,001 - 50,000	0.000333	<b>0.182%</b>	0.000% - 0.997%	0.000% - 0.760%	<b>1.00%</b>	0.222% - 2.50%	0.222% - 2.21%	<b>12.3%</b>	8.17% - 17.0%	8.94% - 16.1%			
	> 50,000	0.000351	<b>0.0575%</b>	0.000% - 0.475%	0.000% - 0.356%	<b>0.595%</b>	0.000% - 3.19%	0.000% - 2.15%	<b>11.6%</b>	5.07% - 19.3%	6.32% - 18.2%			
	Total	0.000314	<b>0.0712%</b>	0.000% - 0.426%	0.000% - 0.311%	<b>0.634%</b>	0.0312% - 3.00%	0.0461% - 2.03%	<b>11.6%</b>	5.81% - 18.2%	7.01% - 17.2%			
All Systems - Combined Ground & Surface Water		0.000273	<b>0.119%</b>	0.0186% - 0.363%	0.0230% - 0.304%	<b>0.652%</b>	0.220% - 2.02%	0.241% - 1.50%	<b>9.82%</b>	6.20% - 13.9%	7.00% - 13.3%			

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.9.f. Bis(2-ethylhexyl)phthalate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	19,400	8,600	34,100	10,400	29,400
	501 - 3,300	25,400	0	58,700	3,400	52,700
	3,301 - 10,000	20,800	0	71,000	0	63,200
	10,001 - 50,000	99,600	0	243,900	0	229,100
	> 50,000	0	0	104,100	0	87,000
	<b>GW Total</b>	<b>161,500</b>	<b>18,400</b>	<b>396,400</b>	<b>35,200</b>	<b>354,800</b>
Surface Water	≤ 500	1,500	0	6,900	0	5,400
	501 - 3,300	2,400	0	21,300	0	16,600
	3,301 - 10,000	3,300	0	29,000	0	0
	10,001 - 50,000	39,700	0	217,900	0	166,100
	> 50,000	55,300	0	457,300	0	342,600
	<b>SW Total</b>	<b>90,600</b>	<b>0</b>	<b>542,400</b>	<b>0</b>	<b>395,900</b>
<b>Total Ground &amp; Surface Water</b>		<b>254,100</b>	<b>39,700</b>	<b>774,100</b>	<b>49,100</b>	<b>647,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.9.g. Bis(2-ethylhexyl)phthalate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	65,100	42,100	89,600	45,600	85,000
	501 - 3,300	111,800	61,900	181,200	67,000	164,100
	3,301 - 10,000	94,700	16,400	218,000	22,800	192,400
	10,001 - 50,000	266,200	68,500	450,700	96,400	428,500
	> 50,000	104,300	0	324,400	0	254,100
	<b>GW Total</b>	<b>579,600</b>	<b>278,900</b>	<b>1,019,600</b>	<b>316,100</b>	<b>876,500</b>
Surface Water	≤ 500	5,400	0	13,900	0	12,200
	501 - 3,300	15,700	0	55,300	0	44,700
	3,301 - 10,000	15,300	0	80,300	0	75,800
	10,001 - 50,000	218,500	48,400	547,000	48,400	482,500
	> 50,000	572,500	0	3,067,400	0	2,073,800
	<b>SW Total</b>	<b>807,500</b>	<b>39,700</b>	<b>3,824,900</b>	<b>58,700</b>	<b>2,583,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,387,700</b>	<b>468,600</b>	<b>4,300,600</b>	<b>513,100</b>	<b>3,184,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.9.h. Bis(2-ethylhexyl)phthalate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0006 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	665,500	578,800	755,100	594,600	740,200
	501 - 3,300	1,380,100	1,160,500	1,619,500	1,193,100	1,583,800
	3,301 - 10,000	1,407,300	1,097,800	1,754,300	1,136,900	1,702,000
	10,001 - 50,000	2,261,600	1,630,500	2,942,800	1,726,800	2,796,200
	> 50,000	1,267,300	429,500	2,471,800	552,900	2,260,400
	<b>GW Total</b>	<b>6,187,900</b>	<b>4,668,800</b>	<b>8,498,800</b>	<b>4,878,700</b>	<b>7,939,300</b>
Surface Water	≤ 500	51,700	30,600	75,200	34,000	71,800
	501 - 3,300	319,100	189,000	453,500	209,800	436,300
	3,301 - 10,000	557,500	279,600	859,700	331,400	808,600
	10,001 - 50,000	2,696,600	1,785,300	3,706,200	1,952,500	3,522,600
	> 50,000	11,149,100	4,881,300	18,543,300	6,080,000	17,503,500
	<b>SW Total</b>	<b>14,795,300</b>	<b>7,391,300</b>	<b>23,198,900</b>	<b>8,919,200</b>	<b>21,900,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>20,911,000</b>	<b>13,202,200</b>	<b>29,522,900</b>	<b>14,904,200</b>	<b>28,223,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.10.a. Cadmium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L		
Ground Water	≤ 500	0.000291	<b>0.502%</b>	0.376% - 0.637%	0.405% - 0.608%	<b>1.73%</b>	1.48% - 1.97%	1.52% - 1.93%	
	501 - 3,300	0.000234	<b>0.322%</b>	0.147% - 0.530%	0.177% - 0.471%	<b>1.36%</b>	1.00% - 1.74%	1.06% - 1.68%	
	3,301 - 10,000	0.000222	<b>0.467%</b>	0.106% - 0.951%	0.211% - 0.846%	<b>1.76%</b>	1.16% - 2.43%	1.27% - 2.33%	
	10,001 - 50,000	0.000179	<b>0.147%</b>	0.000% - 0.535%	0.000% - 0.357%	<b>0.878%</b>	0.178% - 1.60%	0.357% - 1.43%	
	> 50,000	0.0000977	<b>0.0708%</b>	0.000% - 0.680%	0.000% - 0.680%	<b>0.429%</b>	0.000% - 1.36%	0.000% - 1.36%	
	Total	0.000269	<b>0.443%</b>	0.344% - 0.558%	0.357% - 0.532%	<b>1.61%</b>	1.42% - 1.80%	1.43% - 1.78%	
Surface Water	≤ 500	0.000163	<b>0.183%</b>	0.000% - 0.557%	0.000% - 0.557%	<b>0.714%</b>	0.000% - 1.67%	0.000% - 1.39%	
	501 - 3,300	0.0000978	<b>0.0442%</b>	0.000% - 0.230%	0.000% - 0.230%	<b>0.366%</b>	0.000% - 0.922%	0.000% - 0.922%	
	3,301 - 10,000	0.000186	<b>0.166%</b>	0.000% - 0.752%	0.000% - 0.752%	<b>0.940%</b>	0.000% - 1.88%	0.376% - 1.88%	
	10,001 - 50,000	0.000100	<b>0.0336%</b>	0.000% - 0.336%	0.000% - 0.336%	<b>0.280%</b>	0.000% - 1.01%	0.000% - 0.671%	
	> 50,000	0.0000773	<b>0.0247%</b>	0.000% - 0.649%	0.000% - 0.000%	<b>0.210%</b>	0.000% - 0.649%	0.000% - 0.649%	
	Total	0.000127	<b>0.0945%</b>	0.000% - 0.265%	0.000% - 0.199%	<b>0.517%</b>	0.265% - 0.860%	0.265% - 0.794%	
All Systems - Combined Ground & Surface Water		0.000256	<b>0.412%</b>	0.325% - 0.508%	0.337% - 0.490%	<b>1.51%</b>	1.33% - 1.70%	1.36% - 1.67%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.00125 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.000291	<b>4.76%</b>	4.36% - 5.16%	4.43% - 5.10%	<b>6.31%</b>	5.87% - 6.81%	5.92% - 6.73%	
	501 - 3,300	0.000234	<b>3.96%</b>	3.42% - 4.57%	3.48% - 4.48%	<b>5.23%</b>	4.57% - 5.92%	4.71% - 5.80%	
	3,301 - 10,000	0.000222	<b>4.11%</b>	3.17% - 4.97%	3.38% - 4.86%	<b>5.08%</b>	4.12% - 6.03%	4.23% - 5.92%	
	10,001 - 50,000	0.000179	<b>3.06%</b>	1.96% - 4.28%	2.14% - 3.92%	<b>4.13%</b>	3.03% - 5.35%	3.03% - 5.17%	
	> 50,000	0.0000977	<b>1.19%</b>	0.000% - 2.04%	0.680% - 2.04%	<b>1.51%</b>	0.680% - 2.72%	0.680% - 2.72%	
	Total	0.000269	<b>4.45%</b>	4.15% - 4.80%	4.19% - 4.72%	<b>5.88%</b>	5.51% - 6.24%	5.59% - 6.19%	
Surface Water	≤ 500	0.000163	<b>2.23%</b>	0.836% - 3.62%	1.11% - 3.62%	<b>3.04%</b>	1.67% - 4.74%	1.67% - 4.46%	
	501 - 3,300	0.0000978	<b>1.34%</b>	0.691% - 2.07%	0.691% - 2.07%	<b>1.82%</b>	0.922% - 2.77%	1.15% - 2.54%	
	3,301 - 10,000	0.000186	<b>2.89%</b>	1.50% - 4.51%	1.50% - 4.14%	<b>3.83%</b>	2.26% - 5.64%	2.63% - 5.26%	
	10,001 - 50,000	0.000100	<b>1.23%</b>	0.336% - 2.35%	0.336% - 2.01%	<b>1.78%</b>	0.671% - 3.02%	1.01% - 2.69%	
	> 50,000	0.0000773	<b>0.944%</b>	0.000% - 1.95%	0.000% - 1.95%	<b>1.38%</b>	0.649% - 2.60%	0.649% - 2.60%	
	Total	0.000127	<b>1.76%</b>	1.19% - 2.25%	1.32% - 2.18%	<b>2.41%</b>	1.79% - 3.04%	1.92% - 2.91%	
All Systems - Combined Ground & Surface Water		0.000256	<b>4.21%</b>	3.94% - 4.52%	3.98% - 4.47%	<b>5.57%</b>	5.24% - 5.89%	5.28% - 5.86%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.10.b. Cadmium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	218	164	277	176	264
	501 - 3,300	39	18	64	21	57
	3,301 - 10,000	11	3	23	5	20
	10,001 - 50,000	2	0	6	0	4
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>263</b>	<b>204</b>	<b>332</b>	<b>212</b>	<b>316</b>
Surface Water	≤ 500	3	0	9	0	9
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	2	0	8	0	8
	10,001 - 50,000	0	0	3	0	3
	> 50,000	0	0	3	0	0
	<b>SW Total</b>	<b>5</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>11</b>
<b>Total Ground &amp; Surface Water</b>		<b>268</b>	<b>211</b>	<b>330</b>	<b>219</b>	<b>319</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.10.c. Cadmium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	750	642	856	659	840
	501 - 3,300	166	122	211	129	204
	3,301 - 10,000	42	28	58	30	56
	10,001 - 50,000	10	2	19	4	17
	> 50,000	1	0	3	0	3
	<b>GW Total</b>	<b>954</b>	<b>845</b>	<b>1,068</b>	<b>852</b>	<b>1,057</b>
Surface Water	≤ 500	11	0	26	0	21
	501 - 3,300	6	0	16	0	16
	3,301 - 10,000	10	0	19	4	19
	10,001 - 50,000	3	0	9	0	6
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>29</b>	<b>15</b>	<b>48</b>	<b>15</b>	<b>44</b>
<b>Total Ground &amp; Surface Water</b>		<b>980</b>	<b>864</b>	<b>1,103</b>	<b>884</b>	<b>1,083</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.10.d. Cadmium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00125 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,072	1,897	2,245	1,926	2,220
	501 - 3,300	481	416	555	423	544
	3,301 - 10,000	99	76	119	81	117
	10,001 - 50,000	36	23	51	25	47
	> 50,000	2	0	4	1	4
	<b>GW Total</b>	<b>2,645</b>	<b>2,468</b>	<b>2,854</b>	<b>2,491</b>	<b>2,807</b>
Surface Water	≤ 500	34	13	56	17	56
	501 - 3,300	23	12	35	12	35
	3,301 - 10,000	29	15	46	15	42
	10,001 - 50,000	11	3	22	3	19
	> 50,000	4	0	8	0	8
	<b>SW Total</b>	<b>99</b>	<b>67</b>	<b>126</b>	<b>74</b>	<b>122</b>
<b>Total Ground &amp; Surface Water</b>		<b>2,738</b>	<b>2,559</b>	<b>2,939</b>	<b>2,586</b>	<b>2,909</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.10.e. Cadmium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,746	2,552	2,963	2,577	2,929
	501 - 3,300	636	555	720	573	706
	3,301 - 10,000	122	99	145	102	142
	10,001 - 50,000	49	36	64	36	62
	> 50,000	3	1	5	1	5
	<b>GW Total</b>	<b>3,492</b>	<b>3,274</b>	<b>3,710</b>	<b>3,320</b>	<b>3,679</b>
Surface Water	≤ 500	47	26	73	26	69
	501 - 3,300	31	16	47	20	43
	3,301 - 10,000	39	23	57	27	53
	10,001 - 50,000	17	6	28	9	25
	> 50,000	6	3	10	3	10
	<b>SW Total</b>	<b>135</b>	<b>100</b>	<b>170</b>	<b>107</b>	<b>163</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,620</b>	<b>3,404</b>	<b>3,831</b>	<b>3,435</b>	<b>3,808</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "S

System estimates are rounded to the nearest whole number.



**Table C.10.f. Cadmium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%		
				Credible Interval			Credible Interval		Credible Interval	
				Threshold = 0.005 mg/L				Threshold = 0.0025 mg/L		
Ground Water	≤ 500	0.000291	<b>0.529%</b>	0.379% - 0.694%	0.401% - 0.670%	<b>1.79%</b>	1.51% - 2.11%	1.55% - 2.06%		
	501 - 3,300	0.000234	<b>0.302%</b>	0.101% - 0.511%	0.149% - 0.482%	<b>1.28%</b>	0.892% - 1.69%	0.952% - 1.65%		
	3,301 - 10,000	0.000222	<b>0.474%</b>	0.128% - 0.985%	0.155% - 0.873%	<b>1.77%</b>	1.19% - 2.44%	1.23% - 2.37%		
	10,001 - 50,000	0.000179	<b>0.112%</b>	0.000% - 0.403%	0.000% - 0.319%	<b>0.676%</b>	0.176% - 1.24%	0.257% - 1.17%		
	> 50,000	0.0000977	<b>0.0359%</b>	0.000% - 0.346%	0.000% - 0.346%	<b>0.212%</b>	0.000% - 0.697%	0.000% - 0.627%		
	Total	0.000269	<b>0.162%</b>	0.0698% - 0.316%	0.0785% - 0.289%	<b>0.726%</b>	0.495% - 1.00%	0.517% - 0.955%		
Surface Water	≤ 500	0.000163	<b>0.188%</b>	0.000% - 0.804%	0.000% - 0.765%	<b>0.777%</b>	0.000% - 2.00%	0.000% - 1.75%		
	501 - 3,300	0.0000978	<b>0.0474%</b>	0.000% - 0.272%	0.000% - 0.272%	<b>0.399%</b>	0.000% - 1.10%	0.000% - 0.949%		
	3,301 - 10,000	0.000186	<b>0.145%</b>	0.000% - 0.764%	0.000% - 0.649%	<b>0.843%</b>	0.000% - 1.82%	0.250% - 1.73%		
	10,001 - 50,000	0.000100	<b>0.0178%</b>	0.000% - 0.161%	0.000% - 0.161%	<b>0.166%</b>	0.000% - 0.666%	0.000% - 0.617%		
	> 50,000	0.0000773	<b>0.0103%</b>	0.000% - 0.291%	0.000% - 0.000%	<b>0.0852%</b>	0.000% - 0.406%	0.000% - 0.291%		
	Total	0.000127	<b>0.0154%</b>	0.000% - 0.247%	0.000% - 0.0412%	<b>0.119%</b>	0.0128% - 0.377%	0.0166% - 0.321%		
All Systems - Combined Ground & Surface Water		0.000256	<b>0.0752%</b>	0.0297% - 0.207%	0.0338% - 0.153%	<b>0.366%</b>	0.232% - 0.555%	0.244% - 0.529%		
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%		
				Credible Interval			Credible Interval		Credible Interval	
				Threshold = 0.00125 mg/L				Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.000291	<b>4.93%</b>	4.44% - 5.46%	4.50% - 5.35%	<b>6.52%</b>	6.00% - 7.11%	6.09% - 7.01%		
	501 - 3,300	0.000234	<b>3.77%</b>	3.13% - 4.37%	3.27% - 4.29%	<b>4.97%</b>	4.31% - 5.64%	4.41% - 5.57%		
	3,301 - 10,000	0.000222	<b>4.07%</b>	3.11% - 4.98%	3.31% - 4.85%	<b>5.03%</b>	4.06% - 6.01%	4.18% - 5.93%		
	10,001 - 50,000	0.000179	<b>2.54%</b>	1.65% - 3.49%	1.77% - 3.35%	<b>3.46%</b>	2.40% - 4.55%	2.54% - 4.35%		
	> 50,000	0.0000977	<b>0.604%</b>	0.000% - 1.33%	0.281% - 1.04%	<b>0.814%</b>	0.281% - 2.83%	0.346% - 1.67%		
	Total	0.000269	<b>2.13%</b>	1.74% - 2.54%	1.80% - 2.47%	<b>2.80%</b>	2.32% - 3.61%	2.43% - 3.25%		
Surface Water	≤ 500	0.000163	<b>2.52%</b>	0.827% - 4.66%	1.14% - 4.23%	<b>3.46%</b>	1.46% - 5.81%	1.93% - 5.44%		
	501 - 3,300	0.0000978	<b>1.48%</b>	0.660% - 2.38%	0.733% - 2.27%	<b>2.00%</b>	1.07% - 2.94%	1.16% - 2.84%		
	3,301 - 10,000	0.000186	<b>2.81%</b>	1.21% - 4.54%	1.51% - 4.18%	<b>3.80%</b>	2.06% - 5.75%	2.28% - 5.42%		
	10,001 - 50,000	0.000100	<b>0.931%</b>	0.152% - 1.90%	0.208% - 1.79%	<b>1.40%</b>	0.435% - 2.51%	0.521% - 2.30%		
	> 50,000	0.0000773	<b>0.420%</b>	0.000% - 1.92%	0.000% - 1.08%	<b>0.736%</b>	0.109% - 2.32%	0.142% - 2.09%		
	Total	0.000127	<b>0.557%</b>	0.139% - 1.87%	0.183% - 1.21%	<b>0.910%</b>	0.292% - 2.24%	0.378% - 2.11%		
All Systems - Combined Ground & Surface Water		0.000256	<b>1.20%</b>	0.888% - 1.97%	0.931% - 1.70%	<b>1.68%</b>	1.28% - 2.55%	1.32% - 2.40%		

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.10.g. Cadmium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	34,400	24,600	45,100	26,000	43,500
	501 - 3,300	46,900	15,700	79,300	23,200	74,800
	3,301 - 10,000	65,300	17,600	135,700	21,300	120,300
	10,001 - 50,000	27,300	0	98,500	0	78,100
	> 50,000	0	0	88,000	0	88,000
	<b>GW Total</b>	<b>139,000</b>	<b>59,800</b>	<b>270,600</b>	<b>67,200</b>	<b>247,200</b>
Surface Water	≤ 500	600	0	2,400	0	2,200
	501 - 3,300	1,300	0	7,700	0	7,700
	3,301 - 10,000	8,800	0	46,500	0	39,500
	10,001 - 50,000	0	0	35,200	0	35,200
	> 50,000	0	0	280,200	0	0
	<b>SW Total</b>	<b>19,600</b>	<b>0</b>	<b>314,200</b>	<b>0</b>	<b>52,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>160,100</b>	<b>63,300</b>	<b>440,900</b>	<b>72,000</b>	<b>326,800</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.10.h. Cadmium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	116,600	98,300	136,900	100,800	133,600
	501 - 3,300	199,100	138,600	263,000	147,800	255,600
	3,301 - 10,000	243,200	163,600	335,600	169,500	326,100
	10,001 - 50,000	165,300	42,900	302,600	62,900	286,900
	> 50,000	54,000	0	177,300	0	159,500
	<b>GW Total</b>	<b>621,600</b>	<b>423,700</b>	<b>858,500</b>	<b>443,200</b>	<b>818,600</b>
Surface Water	≤ 500	2,300	0	5,800	0	5,100
	501 - 3,300	11,200	0	30,900	0	26,700
	3,301 - 10,000	51,300	0	110,400	15,200	105,000
	10,001 - 50,000	36,200	0	145,600	0	134,900
	> 50,000	82,100	0	390,400	0	280,200
	<b>SW Total</b>	<b>151,500</b>	<b>16,300</b>	<b>479,800</b>	<b>21,100</b>	<b>409,000</b>
<b>Total Ground &amp; Surface Water</b>		<b>779,600</b>	<b>494,600</b>	<b>1,181,800</b>	<b>520,600</b>	<b>1,127,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.10.i. Cadmium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00125 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	320,200	288,500	354,800	292,400	347,700
	501 - 3,300	584,600	485,700	678,200	507,000	666,000
	3,301 - 10,000	559,800	428,100	686,300	456,100	667,300
	10,001 - 50,000	620,600	403,800	852,300	432,100	819,300
	> 50,000	153,700	0	337,400	71,500	265,600
	<b>GW Total</b>	<b>1,821,600</b>	<b>1,494,300</b>	<b>2,179,700</b>	<b>1,544,800</b>	<b>2,119,800</b>
Surface Water	≤ 500	7,400	2,400	13,600	3,300	12,400
	501 - 3,300	41,800	18,600	67,000	20,700	64,000
	3,301 - 10,000	171,200	73,800	276,000	91,600	254,400
	10,001 - 50,000	203,400	33,300	415,400	45,400	390,300
	> 50,000	404,400	0	1,847,600	0	1,039,800
	<b>SW Total</b>	<b>708,800</b>	<b>176,300</b>	<b>2,382,300</b>	<b>233,300</b>	<b>1,545,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>2,547,600</b>	<b>1,892,200</b>	<b>4,189,900</b>	<b>1,983,100</b>	<b>3,621,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.10.j. Cadmium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	423,500	389,700	461,900	395,400	455,600
	501 - 3,300	771,600	668,500	875,300	685,200	864,400
	3,301 - 10,000	693,100	559,300	828,000	575,200	816,700
	10,001 - 50,000	845,900	585,400	1,113,100	620,600	1,063,200
	> 50,000	207,100	71,500	720,500	88,000	425,900
	<b>GW Total</b>	<b>2,401,700</b>	<b>1,983,500</b>	<b>3,093,100</b>	<b>2,078,600</b>	<b>2,784,700</b>
Surface Water	≤ 500	10,100	4,300	17,000	5,600	15,900
	501 - 3,300	56,400	30,100	82,800	32,600	80,100
	3,301 - 10,000	231,000	125,500	349,700	138,700	329,600
	10,001 - 50,000	305,100	95,100	547,800	113,900	501,700
	> 50,000	708,300	104,600	2,237,500	136,300	2,011,300
	<b>SW Total</b>	<b>1,159,100</b>	<b>372,300</b>	<b>2,850,800</b>	<b>480,800</b>	<b>2,685,300</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,580,700</b>	<b>2,730,800</b>	<b>5,429,600</b>	<b>2,801,100</b>	<b>5,112,200</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.11.a. Carbofuran - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.040 mg/L			Threshold = 0.007 mg/L			Threshold = 0.004 mg/L		
Ground Water	≤ 500	0.0000142	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000172%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000223	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000175	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000725	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000311	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000162	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000112%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000292	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000500	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000490%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000191	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000429	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000349	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000144%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000181	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000115%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.11.b. Carbofuran - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.040 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.11.c. Carbofuran - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.11.d. Carbofuran - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.11.e. Carbofuran - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.040 mg/L			Threshold = 0.007 mg/L			Threshold = 0.004 mg/L		
Ground Water	≤ 500	0.0000142	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000247%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000223	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000175	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000725	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000311	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000162	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000806%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000292	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000500	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000171%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000191	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000429	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000349	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000217%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000181	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000461%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.11.f. Carbofuran - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.040 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.11.g. Carbofuran - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.11.h. Carbofuran - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.12.a. Carbon Tetrachloride - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000126	<b>0.00820%</b>	0.00672% - 0.0135%	0.00672% - 0.0135%	<b>0.0142%</b>	0.00672% - 0.0269%	0.00672% - 0.0269%	<b>0.106%</b>	0.0605% - 0.161%	0.0672% - 0.155%
	501 - 3,300	0.0000239	<b>0.0367%</b>	0.0218% - 0.0435%	0.0218% - 0.0435%	<b>0.0535%</b>	0.0435% - 0.0871%	0.0435% - 0.0871%	<b>0.316%</b>	0.174% - 0.457%	0.218% - 0.435%
	3,301 - 10,000	0.0000179	<b>0.000690%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0192%</b>	0.000% - 0.0863%	0.000% - 0.0863%	<b>0.324%</b>	0.173% - 0.604%	0.173% - 0.518%
	10,001 - 50,000	0.0000324	<b>0.112%</b>	0.000% - 0.151%	0.000% - 0.151%	<b>0.161%</b>	0.151% - 0.301%	0.151% - 0.301%	<b>0.708%</b>	0.602% - 0.904%	0.602% - 0.904%
	> 50,000	0.0000310	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.67%</b>	1.23% - 2.45%	1.23% - 1.84%
	Total	0.0000160	<b>0.0171%</b>	0.00932% - 0.0233%	0.00932% - 0.0233%	<b>0.0273%</b>	0.0186% - 0.0373%	0.0186% - 0.0373%	<b>0.193%</b>	0.140% - 0.242%	0.149% - 0.238%
Surface Water	≤ 500	0.0000134	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00175%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0566%</b>	0.000% - 0.292%	0.000% - 0.292%
	501 - 3,300	0.0000309	<b>0.000452%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00406%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.410%</b>	0.000% - 0.903%	0.000% - 0.903%
	3,301 - 10,000	0.0000289	<b>0.000683%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00137%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.230%</b>	0.000% - 1.02%	0.000% - 0.683%
	10,001 - 50,000	0.0000253	<b>0.000606%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00303%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.320%</b>	0.000% - 0.909%	0.000% - 0.909%
	> 50,000	0.0000486	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00242%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.94%</b>	1.21% - 3.03%	1.21% - 2.42%
	Total	0.0000274	<b>0.000381%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00267%</b>	0.000% - 0.0635%	0.000% - 0.000%	<b>0.441%</b>	0.254% - 0.699%	0.254% - 0.635%
All Systems - Combined Ground & Surface Water		0.0000168	<b>0.0159%</b>	0.00869% - 0.0217%	0.00869% - 0.0217%	<b>0.0256%</b>	0.0174% - 0.0347%	0.0174% - 0.0347%	<b>0.210%</b>	0.161% - 0.265%	0.169% - 0.256%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.12.b. Carbon Tetrachloride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	4	3	6	3	6
	501 - 3,300	4	3	5	3	5
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	1	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	10	6	14	6	14
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		10	6	14	6	14

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.12.c. Carbon Tetrachloride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	6	3	12	3	12
	501 - 3,300	6	5	11	5	11
	3,301 - 10,000	1	0	2	0	2
	10,001 - 50,000	2	2	4	2	4
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	16	11	22	11	22
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	4	0	0
<b>Total Ground &amp; Surface Water</b>		17	11	23	11	23

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.12.d. Carbon Tetrachloride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	46	26	70	29	67
	501 - 3,300	38	21	56	26	53
	3,301 - 10,000	8	4	15	4	12
	10,001 - 50,000	8	7	11	7	11
	> 50,000	3	2	5	2	3
	<b>GW Total</b>	<b>115</b>	<b>83</b>	<b>144</b>	<b>89</b>	<b>141</b>
Surface Water	≤ 500	1	0	4	0	4
	501 - 3,300	7	0	15	0	15
	3,301 - 10,000	2	0	10	0	7
	10,001 - 50,000	3	0	8	0	8
	> 50,000	8	5	12	5	10
	<b>SW Total</b>	<b>25</b>	<b>14</b>	<b>39</b>	<b>14</b>	<b>36</b>
<b>Total Ground &amp; Surface Water</b>		<b>137</b>	<b>105</b>	<b>172</b>	<b>110</b>	<b>167</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.12.e. Carbon Tetrachloride - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000126	<b>0.00866%</b>	0.00681% - 0.0159%	0.00681% - 0.0159%	<b>0.0159%</b>	0.00681% - 0.0366%	0.00681% - 0.0321%	<b>0.124%</b>	0.0598% - 0.195%	0.0680% - 0.185%
	501 - 3,300	0.0000239	<b>0.0189%</b>	0.0104% - 0.0220%	0.0104% - 0.0220%	<b>0.0367%</b>	0.0220% - 0.0894%	0.0220% - 0.0828%	<b>0.286%</b>	0.164% - 0.431%	0.191% - 0.408%
	3,301 - 10,000	0.0000179	<b>0.000476%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0133%</b>	0.000% - 0.0608%	0.000% - 0.0608%	<b>0.307%</b>	0.118% - 0.584%	0.118% - 0.552%
	10,001 - 50,000	0.0000324	<b>0.234%</b>	0.000% - 0.313%	0.000% - 0.313%	<b>0.335%</b>	0.313% - 0.626%	0.313% - 0.626%	<b>1.06%</b>	0.962% - 1.34%	0.962% - 1.28%
	> 50,000	0.0000310	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.915%</b>	0.691% - 1.62%	0.691% - 1.22%
	Total	0.0000160	<b>0.0705%</b>	0.00158% - 0.0950%	0.00172% - 0.0942%	<b>0.104%</b>	0.0938% - 0.191%	0.0938% - 0.187%	<b>0.764%</b>	0.627% - 1.05%	0.633% - 0.907%
Surface Water	≤ 500	0.0000134	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00188%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0500%</b>	0.000% - 0.490%	0.000% - 0.382%
	501 - 3,300	0.0000309	<b>0.000263%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00180%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.349%</b>	0.000% - 0.985%	0.000% - 0.870%
	3,301 - 10,000	0.0000289	<b>0.000886%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00183%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.256%</b>	0.000% - 1.03%	0.000% - 0.916%
	10,001 - 50,000	0.0000253	<b>0.000333%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00160%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.201%</b>	0.000% - 0.742%	0.000% - 0.600%
	> 50,000	0.0000486	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00133%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>15.3%</b>	14.9% - 16.7%	14.9% - 15.9%
	Total	0.0000274	<b>0.0000713%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00139%</b>	0.000% - 0.00104%	0.000% - 0.000%	<b>12.7%</b>	12.4% - 13.9%	12.4% - 13.2%
All Systems - Combined Ground & Surface Water		0.0000168	<b>0.0316%</b>	0.000707% - 0.0429%	0.000772% - 0.0422%	<b>0.0474%</b>	0.0420% - 0.0865%	0.0420% - 0.0842%	<b>7.37%</b>	7.16% - 8.00%	7.18% - 7.71%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.12.f. Carbon Tetrachloride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	600	400	1,000	400	1,000
	501 - 3,300	2,900	1,600	3,400	1,600	3,400
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	57,100	0	76,500	0	76,500
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>60,400</b>	<b>1,400</b>	<b>81,400</b>	<b>1,500</b>	<b>80,700</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>67,400</b>	<b>1,500</b>	<b>91,400</b>	<b>1,600</b>	<b>89,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.12.g. Carbon Tetrachloride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,000	400	2,400	400	2,100
	501 - 3,300	5,700	3,400	13,900	3,400	12,900
	3,301 - 10,000	3,300	0	8,400	0	8,400
	10,001 - 50,000	81,900	76,500	153,100	76,500	153,100
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	89,300	80,400	163,300	80,400	160,000
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1,800	0	1,300	0	0
<b>Total Ground &amp; Surface Water</b>		101,100	89,500	184,300	89,500	179,300

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.12.h. Carbon Tetrachloride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	8,100	3,900	12,700	4,400	12,000
	501 - 3,300	44,500	25,500	66,900	29,700	63,300
	3,301 - 10,000	42,200	16,200	80,400	16,200	76,000
	10,001 - 50,000	259,800	235,100	327,300	235,100	312,400
	> 50,000	232,800	175,700	410,900	175,700	310,900
	<b>GW Total</b>	654,600	537,200	902,200	542,700	777,000
Surface Water	≤ 500	100	0	1,400	0	1,100
	501 - 3,300	9,800	0	27,800	0	24,500
	3,301 - 10,000	15,600	0	62,700	0	55,800
	10,001 - 50,000	43,900	0	162,100	0	131,100
	> 50,000	14,711,400	14,355,200	16,078,600	14,355,200	15,298,700
	<b>SW Total</b>	16,221,400	15,788,500	17,698,400	15,801,200	16,832,600
<b>Total Ground &amp; Surface Water</b>		15,705,100	15,245,000	17,042,800	15,298,200	16,414,400

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.13.a. Chlordane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L			Threshold = 0.0002 mg/L		
Ground Water	≤ 500	0.00000334	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000158%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0563%</b>	0.0394% - 0.0920%	0.0394% - 0.0788%
	501 - 3,300	0.00000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0149%</b>	0.000% - 0.0732%	0.000% - 0.0732%
	3,301 - 10,000	0.00000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0100%</b>	0.000% - 0.125%	0.000% - 0.125%
	10,001 - 50,000	0.00000338	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000711%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000331	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000337	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000101%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0403%</b>	0.0253% - 0.0591%	0.0253% - 0.0591%
Surface Water	≤ 500	0.00000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000810%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000917	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000497	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000211	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000680%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000222	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000143	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000301%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000317	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000910%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0363%</b>	0.0228% - 0.0531%	0.0228% - 0.0531%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.13.b. Chlordane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.13.c. Chlordane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.13.d. Chlordane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	25	17	40	17	34
	501 - 3,300	2	0	9	0	9
	3,301 - 10,000	0	0	3	0	3
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	24	15	35	15	35
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		24	15	35	15	35

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.13.e. Chlordane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.002 mg/L			Threshold = 0.001 mg/L			Threshold = 0.0002 mg/L		
Ground Water	≤ 500	0.00000334	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000119%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0485%</b>	0.0322% - 0.0789%	0.0322% - 0.0731%	
	501 - 3,300	0.00000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0111%</b>	0.000% - 0.0570%	0.000% - 0.0492%	
	3,301 - 10,000	0.00000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00777%</b>	0.000% - 0.103%	0.000% - 0.0728%	
	10,001 - 50,000	0.00000338	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000463%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.00000331	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.00000337	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000350%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00346%</b>	0.000945% - 0.0166%	0.000945% - 0.0116%	
Surface Water	≤ 500	0.00000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000555%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.000000917	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.000000497	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.00000211	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000399%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.00000222	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.00000143	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000479%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.00000317	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000146%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00147%</b>	0.000394% - 0.00701%	0.000394% - 0.00486%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.13.f. Chlordane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.13.g. Chlordane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.13.h. Chlordane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3,200	2,100	5,100	2,100	4,800
	501 - 3,300	1,700	0	8,900	0	7,600
	3,301 - 10,000	0	0	14,200	0	10,000
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3,000</b>	<b>800</b>	<b>14,200</b>	<b>800</b>	<b>9,900</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,100</b>	<b>800</b>	<b>14,900</b>	<b>800</b>	<b>10,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.14.a. Chromium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval			Credible Interval			Credible Interval	
				Threshold = 0.1 mg/L						Threshold = 0.07 mg/L	
Ground Water	≤ 500	0.00124	<b>0.00376%</b>	0.000% - 0.0157%	0.000% - 0.0157%	<b>0.0117%</b>	0.000% - 0.0315%	0.000% - 0.0315%	<b>0.0312%</b>	0.00787% - 0.0630%	0.00787% - 0.0551%
	501 - 3,300	0.00189	<b>0.00754%</b>	0.000% - 0.0535%	0.000% - 0.0268%	<b>0.0245%</b>	0.000% - 0.0802%	0.000% - 0.0802%	<b>0.0721%</b>	0.000% - 0.161%	0.000% - 0.161%
	3,301 - 10,000	0.00119	<b>0.00607%</b>	0.000% - 0.101%	0.000% - 0.101%	<b>0.0176%</b>	0.000% - 0.101%	0.000% - 0.101%	<b>0.0388%</b>	0.000% - 0.202%	0.000% - 0.101%
	10,001 - 50,000	0.000819	<b>0.00242%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00727%</b>	0.000% - 0.173%	0.000% - 0.000%	<b>0.0177%</b>	0.000% - 0.173%	0.000% - 0.173%
	> 50,000	0.000676	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00135	<b>0.00459%</b>	0.000% - 0.0165%	0.000% - 0.0165%	<b>0.0144%</b>	0.000% - 0.0385%	0.000% - 0.0275%	<b>0.0393%</b>	0.0110% - 0.0716%	0.0165% - 0.0661%
Surface Water	≤ 500	0.000759	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00114%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00456%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000997	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00136%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00680%</b>	0.000% - 0.227%	0.000% - 0.000%
	3,301 - 10,000	0.000994	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00444%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000763	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000641%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00128%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000617	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000856	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000786%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00406%</b>	0.000% - 0.0655%	0.000% - 0.0655%
All Systems - Combined Ground & Surface Water		0.00132	<b>0.00424%</b>	0.000% - 0.0152%	0.000% - 0.0152%	<b>0.0133%</b>	0.000% - 0.0355%	0.000% - 0.0254%	<b>0.0366%</b>	0.0152% - 0.0660%	0.0152% - 0.0609%

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval			Credible Interval	
				Threshold = 0.02 mg/L				Threshold = 0.01 mg/L
Ground Water	≤ 500	0.00124	<b>0.310%</b>	0.205% - 0.417%	0.228% - 0.401%	<b>1.35%</b>	1.10% - 1.60%	1.13% - 1.55%
	501 - 3,300	0.00189	<b>0.759%</b>	0.508% - 1.07%	0.535% - 0.990%	<b>2.98%</b>	2.35% - 3.61%	2.49% - 3.50%
	3,301 - 10,000	0.00119	<b>0.310%</b>	0.000% - 0.607%	0.101% - 0.607%	<b>1.27%</b>	0.607% - 1.92%	0.708% - 1.82%
	10,001 - 50,000	0.000819	<b>0.213%</b>	0.000% - 0.519%	0.000% - 0.519%	<b>0.764%</b>	0.346% - 1.38%	0.346% - 1.21%
	> 50,000	0.000676	<b>0.00886%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.220%</b>	0.000% - 0.633%	0.000% - 0.633%
	Total	0.00135	<b>0.396%</b>	0.292% - 0.501%	0.308% - 0.479%	<b>1.65%</b>	1.40% - 1.89%	1.45% - 1.85%
Surface Water	≤ 500	0.000759	<b>0.0803%</b>	0.000% - 0.570%	0.000% - 0.285%	<b>0.526%</b>	0.000% - 1.43%	0.000% - 1.14%
	501 - 3,300	0.000997	<b>0.129%</b>	0.000% - 0.454%	0.000% - 0.454%	<b>0.713%</b>	0.000% - 1.59%	0.227% - 1.36%
	3,301 - 10,000	0.000994	<b>0.0511%</b>	0.000% - 0.370%	0.000% - 0.370%	<b>0.433%</b>	0.000% - 1.48%	0.000% - 1.11%
	10,001 - 50,000	0.000763	<b>0.0212%</b>	0.000% - 0.321%	0.000% - 0.321%	<b>0.296%</b>	0.000% - 0.962%	0.000% - 0.962%
	> 50,000	0.000617	<b>0.00395%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0974%</b>	0.000% - 0.658%	0.000% - 0.658%
	Total	0.000856	<b>0.0696%</b>	0.000% - 0.262%	0.000% - 0.197%	<b>0.474%</b>	0.131% - 0.786%	0.197% - 0.721%
All Systems - Combined Ground & Surface Water		0.00132	<b>0.371%</b>	0.274% - 0.467%	0.289% - 0.447%	<b>1.56%</b>	1.33% - 1.78%	1.38% - 1.75%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.14.b. Chromium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2	0	7	0	7
	501 - 3,300	1	0	7	0	3
	3,301 - 10,000	0	0	2	0	2
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>10</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>3</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>10</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.14.c. Chromium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.07 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5	0	14	0	14
	501 - 3,300	3	0	10	0	10
	3,301 - 10,000	1	0	2	0	2
	10,001 - 50,000	0	0	2	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>9</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>16</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>9</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>17</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.14.d. Chromium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	14	3	27	3	24
	501 - 3,300	9	0	20	0	20
	3,301 - 10,000	1	0	5	0	2
	10,001 - 50,000	1	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>23</b>	<b>7</b>	<b>43</b>	<b>10</b>	<b>39</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>24</b>	<b>10</b>	<b>43</b>	<b>10</b>	<b>40</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.14.e. Chromium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.02 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	135	89	181	99	175
	501 - 3,300	92	62	130	65	120
	3,301 - 10,000	7	0	15	2	15
	10,001 - 50,000	3	0	6	0	6
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>236</b>	<b>173</b>	<b>298</b>	<b>183</b>	<b>285</b>
Surface Water	≤ 500	1	0	9	0	4
	501 - 3,300	2	0	8	0	8
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	0	0	3	0	3
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>4</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>11</b>
<b>Total Ground &amp; Surface Water</b>		<b>241</b>	<b>178</b>	<b>304</b>	<b>188</b>	<b>291</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.14.f. Chromium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.01 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	585	479	695	493	675
	501 - 3,300	362	286	439	302	426
	3,301 - 10,000	30	15	46	17	44
	10,001 - 50,000	9	4	16	4	14
	> 50,000	1	0	1	0	1
	<b>GW Total</b>	<b>980</b>	<b>834</b>	<b>1,122</b>	<b>864</b>	<b>1,099</b>
Surface Water	≤ 500	8	0	22	0	18
	501 - 3,300	12	0	27	4	23
	3,301 - 10,000	4	0	15	0	11
	10,001 - 50,000	3	0	9	0	9
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>26</b>	<b>7</b>	<b>44</b>	<b>11</b>	<b>40</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,013</b>	<b>865</b>	<b>1,156</b>	<b>895</b>	<b>1,139</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.14.g. Chromium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.1 mg/L			Threshold = 0.07 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.00124	<b>0.00427%</b>	0.000% - 0.0266%	0.000% - 0.0215%	<b>0.0120%</b>	0.000% - 0.0438%	0.000% - 0.0374%	<b>0.0326%</b>	0.00140% - 0.0768%	0.00323% - 0.0685%
	501 - 3,300	0.00189	<b>0.00748%</b>	0.000% - 0.0607%	0.000% - 0.0455%	<b>0.0234%</b>	0.000% - 0.0963%	0.000% - 0.0804%	<b>0.0680%</b>	0.000% - 0.175%	0.000% - 0.161%
	3,301 - 10,000	0.00119	<b>0.00666%</b>	0.000% - 0.124%	0.000% - 0.0745%	<b>0.0188%</b>	0.000% - 0.124%	0.000% - 0.124%	<b>0.0397%</b>	0.000% - 0.198%	0.000% - 0.143%
	10,001 - 50,000	0.000819	<b>0.00493%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0156%</b>	0.000% - 0.394%	0.000% - 0.000%	<b>0.0383%</b>	0.000% - 0.394%	0.000% - 0.394%
	> 50,000	0.000676	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00135	<b>0.00325%</b>	0.000% - 0.0186%	0.000% - 0.0157%	<b>0.00987%</b>	0.000% - 0.113%	0.000% - 0.0281%	<b>0.0248%</b>	0.00124% - 0.130%	0.00254% - 0.125%
Surface Water	≤ 500	0.000759	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00120%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00568%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00100	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000727%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00425%</b>	0.000% - 0.0744%	0.000% - 0.000%
	3,301 - 10,000	0.000994	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00436%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000763	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000785%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00133%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000617	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000856	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000104%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000336%</b>	0.000% - 0.00182%	0.000% - 0.000655%
All Systems - Combined Ground & Surface Water		0.00132	<b>0.00139%</b>	0.000% - 0.00793%	0.000% - 0.00670%	<b>0.00427%</b>	0.000% - 0.0481%	0.000% - 0.0125%	<b>0.0108%</b>	0.000580% - 0.0559%	0.00113% - 0.0536%

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.02 mg/L			Threshold = 0.01 mg/L		
Ground Water	≤ 500	0.00124	<b>0.323%</b>	0.187% - 0.473%	0.215% - 0.445%	<b>1.38%</b>	1.09% - 1.67%	1.14% - 1.63%
	501 - 3,300	0.00189	<b>0.746%</b>	0.462% - 1.09%	0.486% - 1.04%	<b>3.00%</b>	2.35% - 3.70%	2.48% - 3.57%
	3,301 - 10,000	0.00119	<b>0.283%</b>	0.000% - 0.618%	0.0650% - 0.564%	<b>1.18%</b>	0.550% - 1.84%	0.675% - 1.75%
	10,001 - 50,000	0.000819	<b>0.325%</b>	0.000% - 0.665%	0.000% - 0.638%	<b>0.868%</b>	0.458% - 1.48%	0.493% - 1.31%
	> 50,000	0.000676	<b>0.00984%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.242%</b>	0.000% - 0.812%	0.000% - 0.812%
	Total	0.00135	<b>0.228%</b>	0.0959% - 0.357%	0.109% - 0.337%	<b>0.893%</b>	0.635% - 1.32%	0.664% - 1.27%
Surface Water	≤ 500	0.000759	<b>0.0767%</b>	0.000% - 0.625%	0.000% - 0.545%	<b>0.516%</b>	0.000% - 1.64%	0.000% - 1.45%
	501 - 3,300	0.000997	<b>0.124%</b>	0.000% - 0.637%	0.000% - 0.510%	<b>0.691%</b>	0.000% - 1.62%	0.0714% - 1.51%
	3,301 - 10,000	0.000994	<b>0.0535%</b>	0.000% - 0.497%	0.000% - 0.394%	<b>0.448%</b>	0.000% - 1.43%	0.000% - 1.31%
	10,001 - 50,000	0.000763	<b>0.0221%</b>	0.000% - 0.358%	0.000% - 0.190%	<b>0.313%</b>	0.000% - 1.16%	0.000% - 0.975%
	> 50,000	0.000617	<b>0.00112%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0333%</b>	0.000% - 0.363%	0.000% - 0.184%
	Total	0.000856	<b>0.00667%</b>	0.000% - 0.0532%	0.000% - 0.0335%	<b>0.0866%</b>	0.00604% - 0.358%	0.00981% - 0.221%
All Systems - Combined Ground & Surface Water		0.00132	<b>0.101%</b>	0.0447% - 0.159%	0.0479% - 0.149%	<b>0.431%</b>	0.298% - 0.649%	0.307% - 0.611%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.14.h. Chromium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	300	0	1,700	0	1,400
	501 - 3,300	1,200	0	9,400	0	7,100
	3,301 - 10,000	0	0	17,100	0	10,300
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	2,800	0	15,900	0	13,500
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		3,000	0	16,900	0	14,300

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.14.i. Chromium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.07 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	800	0	2,800	0	2,400
	501 - 3,300	3,600	0	15,000	0	12,500
	3,301 - 10,000	3,300	0	17,100	0	17,100
	10,001 - 50,000	0	0	96,400	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	8,500	0	96,600	0	24,100
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	100	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		9,100	0	102,400	0	26,600

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.14.j. Chromium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,100	100	5,000	200	4,500
	501 - 3,300	10,600	0	27,200	0	25,000
	3,301 - 10,000	5,500	0	27,300	0	19,600
	10,001 - 50,000	10,000	0	96,400	0	96,400
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>21,200</b>	<b>1,100</b>	<b>111,600</b>	<b>2,200</b>	<b>107,300</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	2,100	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>400</b>	<b>0</b>	<b>2,300</b>	<b>0</b>	<b>800</b>
<b>Total Ground &amp; Surface Water</b>		<b>22,900</b>	<b>1,200</b>	<b>119,000</b>	<b>2,400</b>	<b>114,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.14.k. Chromium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.02 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	21,000	12,100	30,800	14,000	28,900
	501 - 3,300	115,800	71,700	169,700	75,400	161,000
	3,301 - 10,000	39,000	0	85,100	9,000	77,700
	10,001 - 50,000	79,400	0	162,500	0	156,000
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>195,500</b>	<b>82,200</b>	<b>306,000</b>	<b>93,500</b>	<b>288,700</b>
Surface Water	≤ 500	200	0	1,800	0	1,600
	501 - 3,300	3,500	0	17,900	0	14,400
	3,301 - 10,000	3,300	0	30,300	0	24,000
	10,001 - 50,000	0	0	78,200	0	41,600
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>8,500</b>	<b>0</b>	<b>67,700</b>	<b>0</b>	<b>42,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>215,600</b>	<b>95,200</b>	<b>338,900</b>	<b>102,100</b>	<b>316,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.14.I. Chromium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.01 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	89,900	70,800	108,500	74,100	105,900
	501 - 3,300	466,300	364,900	574,800	385,400	554,200
	3,301 - 10,000	162,900	75,700	253,500	92,900	241,500
	10,001 - 50,000	212,200	112,000	362,000	120,500	321,200
	> 50,000	61,600	0	206,500	0	206,500
	<b>GW Total</b>	<b>764,900</b>	<b>544,200</b>	<b>1,129,300</b>	<b>568,800</b>	<b>1,083,900</b>
Surface Water	≤ 500	1,500	0	4,800	0	4,300
	501 - 3,300	19,500	0	45,800	2,000	42,600
	3,301 - 10,000	27,200	0	87,100	0	79,400
	10,001 - 50,000	68,300	0	252,600	0	213,000
	> 50,000	50,000	0	349,800	0	176,800
	<b>SW Total</b>	<b>110,200</b>	<b>7,700</b>	<b>455,400</b>	<b>12,500</b>	<b>281,800</b>
<b>Total Ground &amp; Surface Water</b>		<b>917,000</b>	<b>634,100</b>	<b>1,382,400</b>	<b>653,300</b>	<b>1,301,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.15.a. Cyanide - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.2 mg/L			Threshold = 0.1 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.00834	<b>0.103%</b>	0.0346% - 0.173%	0.0519% - 0.156%	<b>0.493%</b>	0.346% - 0.675%	0.363% - 0.640%	<b>2.25%</b>	1.85% - 2.65%	1.94% - 2.58%
	501 - 3,300	0.00793	<b>0.0425%</b>	0.000% - 0.158%	0.000% - 0.106%	<b>0.440%</b>	0.158% - 0.738%	0.211% - 0.686%	<b>2.33%</b>	1.74% - 2.95%	1.85% - 2.85%
	3,301 - 10,000	0.00627	<b>0.0269%</b>	0.000% - 0.198%	0.000% - 0.198%	<b>0.311%</b>	0.000% - 0.792%	0.000% - 0.792%	<b>1.69%</b>	0.792% - 2.77%	0.990% - 2.38%
	10,001 - 50,000	0.00707	<b>0.0812%</b>	0.000% - 0.242%	0.000% - 0.242%	<b>0.435%</b>	0.000% - 0.966%	0.242% - 0.725%	<b>1.84%</b>	0.966% - 2.90%	0.966% - 2.66%
	> 50,000	0.00606	<b>0.00320%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0928%</b>	0.000% - 0.800%	0.000% - 0.800%	<b>1.69%</b>	0.000% - 3.20%	0.000% - 3.20%
	Total	0.00804	<b>0.0827%</b>	0.0344% - 0.126%	0.0459% - 0.126%	<b>0.463%</b>	0.321% - 0.596%	0.356% - 0.585%	<b>2.21%</b>	1.93% - 2.51%	1.97% - 2.48%
Surface Water	≤ 500	0.00159	<b>0.00127%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00255%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0242%</b>	0.000% - 0.637%	0.000% - 0.000%
	501 - 3,300	0.00227	<b>0.0106%</b>	0.000% - 0.407%	0.000% - 0.000%	<b>0.0740%</b>	0.000% - 0.407%	0.000% - 0.407%	<b>0.316%</b>	0.000% - 0.813%	0.000% - 0.813%
	3,301 - 10,000	0.00225	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00263%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0934%</b>	0.000% - 0.658%	0.000% - 0.658%
	10,001 - 50,000	0.00289	<b>0.00106%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00952%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.278%</b>	0.000% - 1.06%	0.000% - 1.06%
	> 50,000	0.00182	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00417%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0708%</b>	0.000% - 1.04%	0.000% - 1.04%
	Total	0.00223	<b>0.00357%</b>	0.000% - 0.119%	0.000% - 0.000%	<b>0.0252%</b>	0.000% - 0.119%	0.000% - 0.119%	<b>0.185%</b>	0.000% - 0.476%	0.000% - 0.357%
All Systems - Combined Ground & Surface Water		0.00753	<b>0.0757%</b>	0.0314% - 0.115%	0.0419% - 0.115%	<b>0.424%</b>	0.293% - 0.555%	0.324% - 0.534%	<b>2.03%</b>	1.77% - 2.32%	1.80% - 2.27%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.15.b. Cyanide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	45	15	75	23	68
	501 - 3,300	5	0	19	0	13
	3,301 - 10,000	1	0	5	0	5
	10,001 - 50,000	1	0	3	0	3
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>49</b>	<b>20</b>	<b>75</b>	<b>27</b>	<b>75</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	7	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>49</b>	<b>20</b>	<b>75</b>	<b>27</b>	<b>75</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.15.c. Cyanide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	215	151	294	158	278
	501 - 3,300	53	19	90	26	83
	3,301 - 10,000	7	0	19	0	19
	10,001 - 50,000	5	0	11	3	9
	> 50,000	0	0	2	0	2
	<b>GW Total</b>	<b>275</b>	<b>191</b>	<b>355</b>	<b>211</b>	<b>348</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	1	0	7	0	7
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>
<b>Total Ground &amp; Surface Water</b>		<b>276</b>	<b>190</b>	<b>361</b>	<b>211</b>	<b>347</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.15.d. Cyanide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	978	806	1,152	843	1,121
	501 - 3,300	283	212	359	224	346
	3,301 - 10,000	41	19	67	24	57
	10,001 - 50,000	22	11	34	11	32
	> 50,000	3	0	6	0	6
	<b>GW Total</b>	<b>1,311</b>	<b>1,145</b>	<b>1,493</b>	<b>1,173</b>	<b>1,472</b>
Surface Water	≤ 500	1	0	10	0	0
	501 - 3,300	5	0	14	0	14
	3,301 - 10,000	1	0	7	0	7
	10,001 - 50,000	3	0	10	0	10
	> 50,000	0	0	4	0	4
	<b>SW Total</b>	<b>10</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>20</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,319</b>	<b>1,150</b>	<b>1,510</b>	<b>1,170</b>	<b>1,476</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.15.e. Cyanide - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.2 mg/L			Threshold = 0.1 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.00834	<b>0.152%</b>	0.0851% - 0.247%	0.0880% - 0.230%	<b>0.541%</b>	0.340% - 0.760%	0.382% - 0.740%	<b>2.31%</b>	1.83% - 2.81%	1.91% - 2.74%	
	501 - 3,300	0.00793	<b>0.0378%</b>	0.000% - 0.159%	0.000% - 0.141%	<b>0.395%</b>	0.141% - 0.705%	0.178% - 0.652%	<b>2.19%</b>	1.54% - 2.98%	1.67% - 2.82%	
	3,301 - 10,000	0.00627	<b>0.0333%</b>	0.000% - 0.290%	0.000% - 0.290%	<b>0.350%</b>	0.000% - 0.977%	0.000% - 0.832%	<b>1.80%</b>	0.755% - 3.00%	1.04% - 2.70%	
	10,001 - 50,000	0.00707	<b>0.0482%</b>	0.000% - 0.320%	0.000% - 0.205%	<b>0.307%</b>	0.000% - 0.847%	0.121% - 0.730%	<b>1.71%</b>	0.662% - 3.10%	0.777% - 2.80%	
	> 50,000	0.00606	<b>0.00157%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0536%</b>	0.000% - 0.531%	0.000% - 0.446%	<b>0.905%</b>	0.000% - 2.37%	0.000% - 2.06%	
	Total	0.00804	<b>0.0260%</b>	0.00301% - 0.103%	0.00340% - 0.0741%	<b>0.201%</b>	0.0680% - 0.488%	0.0776% - 0.422%	<b>1.38%</b>	0.797% - 2.23%	0.882% - 2.05%	
Surface Water	≤ 500	0.00159	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000978%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0272%</b>	0.000% - 0.326%	0.000% - 0.000%	
	501 - 3,300	0.00227	<b>0.00839%</b>	0.000% - 0.312%	0.000% - 0.000%	<b>0.0579%</b>	0.000% - 0.312%	0.000% - 0.312%	<b>0.275%</b>	0.000% - 0.771%	0.000% - 0.771%	
	3,301 - 10,000	0.00225	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00173%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0847%</b>	0.000% - 0.775%	0.000% - 0.691%	
	10,001 - 50,000	0.00289	<b>0.000725%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00610%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.215%</b>	0.000% - 0.946%	0.000% - 0.861%	
	> 50,000	0.00182	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000542%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0165%</b>	0.000% - 0.209%	0.000% - 0.136%	
	Total	0.00223	<b>0.000160%</b>	0.000% - 0.00317%	0.000% - 0.000%	<b>0.00173%</b>	0.000% - 0.00948%	0.000% - 0.00317%	<b>0.0412%</b>	0.000% - 0.194%	0.000% - 0.161%	
All Systems - Combined Ground & Surface Water		0.00753	<b>0.0110%</b>	0.00128% - 0.0432%	0.00143% - 0.0310%	<b>0.0849%</b>	0.0294% - 0.204%	0.0332% - 0.177%	<b>0.602%</b>	0.350% - 0.949%	0.382% - 0.897%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.15.f. Cyanide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	9,800	5,500	16,100	5,700	14,900
	501 - 3,300	5,900	0	24,800	0	21,900
	3,301 - 10,000	4,600	0	39,900	0	39,900
	10,001 - 50,000	11,800	0	78,200	0	50,200
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>22,300</b>	<b>2,600</b>	<b>88,600</b>	<b>2,900</b>	<b>63,500</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	8,800	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>200</b>	<b>0</b>	<b>4,000</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>23,300</b>	<b>2,700</b>	<b>92,100</b>	<b>3,100</b>	<b>66,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.15.g. Cyanide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	35,200	22,100	49,400	24,800	48,100
	501 - 3,300	61,300	21,900	109,400	27,600	101,300
	3,301 - 10,000	48,300	0	134,500	0	114,500
	10,001 - 50,000	74,900	0	207,000	29,600	178,500
	> 50,000	0	0	135,200	0	113,500
	<b>GW Total</b>	<b>171,900</b>	<b>58,200</b>	<b>418,300</b>	<b>66,500</b>	<b>361,900</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	1,600	0	8,800	0	8,800
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>2,200</b>	<b>0</b>	<b>12,100</b>	<b>0</b>	<b>4,000</b>
<b>Total Ground &amp; Surface Water</b>		<b>180,900</b>	<b>62,600</b>	<b>435,000</b>	<b>70,700</b>	<b>376,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.15.h. Cyanide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	150,300	119,200	182,700	123,900	178,100
	501 - 3,300	340,500	238,700	462,300	258,800	438,300
	3,301 - 10,000	248,400	104,000	413,400	142,700	371,400
	10,001 - 50,000	417,700	161,800	758,200	189,900	683,400
	> 50,000	230,200	0	601,700	0	523,400
	<b>GW Total</b>	<b>1,183,300</b>	<b>682,500</b>	<b>1,914,100</b>	<b>755,400</b>	<b>1,753,900</b>
Surface Water	≤ 500	100	0	1,000	0	0
	501 - 3,300	7,700	0	21,700	0	21,700
	3,301 - 10,000	5,200	0	47,100	0	42,000
	10,001 - 50,000	47,000	0	206,700	0	188,200
	> 50,000	0	0	201,100	0	130,600
	<b>SW Total</b>	<b>52,400</b>	<b>0</b>	<b>247,000</b>	<b>0</b>	<b>205,400</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,281,200</b>	<b>746,200</b>	<b>2,022,300</b>	<b>813,700</b>	<b>1,910,000</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.16.a. 2,4-D - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
Ground Water	≤ 500	0.0000220	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000480	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000554	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000270	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000256	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000299	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000290	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000378	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000219	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000126	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000271	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000263	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000518	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
Ground Water	≤ 500	0.0000220	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0334%</b>	0.000% - 0.0940%	0.000% - 0.0836%
	501 - 3,300	0.0000480	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.188%</b>	0.0322% - 0.516%	0.0322% - 0.451%
	3,301 - 10,000	0.0000554	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.273%</b>	0.000% - 0.710%	0.000% - 0.710%
	10,001 - 50,000	0.0000270	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0541%</b>	0.000% - 0.366%	0.000% - 0.183%
	> 50,000	0.0000256	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0293%</b>	0.000% - 0.667%	0.000% - 0.000%
	Total	0.0000299	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0820%</b>	0.0211% - 0.183%	0.0281% - 0.162%
Surface Water	≤ 500	0.0000290	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>5.59%</b>	1.77% - 11.3%	2.12% - 10.6%
	501 - 3,300	0.0000378	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>8.05%</b>	3.76% - 13.2%	4.46% - 12.2%
	3,301 - 10,000	0.0000219	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.54%</b>	1.07% - 7.14%	1.43% - 6.79%
	10,001 - 50,000	0.0000126	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.41%</b>	0.000% - 3.66%	0.305% - 3.35%
	> 50,000	0.0000271	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>5.11%</b>	1.28% - 10.3%	1.92% - 8.97%
	Total	0.0000263	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>4.93%</b>	2.99% - 7.54%	3.26% - 7.13%
All Systems - Combined Ground & Surface Water		0.0000518	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.537%</b>	0.332% - 0.854%	0.357% - 0.797%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.16.b. 2,4-D - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.07 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.16.c. 2,4-D - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.035 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.16.d. 2,4-D - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0175 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.16.e. 2,4-D - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	15	0	41	0	36
	501 - 3,300	23	4	63	4	55
	3,301 - 10,000	7	0	17	0	17
	10,001 - 50,000	1	0	4	0	2
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>49</b>	<b>13</b>	<b>109</b>	<b>17</b>	<b>96</b>
Surface Water	≤ 500	86	27	174	33	163
	501 - 3,300	137	64	224	76	208
	3,301 - 10,000	36	11	72	14	69
	10,001 - 50,000	13	0	34	3	31
	> 50,000	21	5	41	8	36
	<b>SW Total</b>	<b>276</b>	<b>167</b>	<b>421</b>	<b>182</b>	<b>398</b>
<b>Total Ground &amp; Surface Water</b>		<b>349</b>	<b>216</b>	<b>555</b>	<b>232</b>	<b>518</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.16.f. 2,4-D - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
				Threshold = 0.07 mg/L			Threshold = 0.035 mg/L	
Ground Water	≤ 500	0.0000220	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000480	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000554	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000270	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000256	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000299	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000290	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000378	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000219	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000126	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000271	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000263	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000518	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
				Threshold = 0.0175 mg/L			Threshold = 0.0001 mg/L	
Ground Water	≤ 500	0.0000220	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0318%</b>	0.000% - 0.101%	0.000% - 0.0859%
	501 - 3,300	0.0000480	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.193%</b>	0.0132% - 0.508%	0.0231% - 0.440%
	3,301 - 10,000	0.0000554	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.275%</b>	0.000% - 0.780%	0.000% - 0.685%
	10,001 - 50,000	0.0000270	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0554%</b>	0.000% - 0.356%	0.000% - 0.280%
	> 50,000	0.0000256	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0289%</b>	0.000% - 0.370%	0.000% - 0.000%
	Total	0.0000299	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0817%</b>	0.00651% - 0.315%	0.0115% - 0.192%
Surface Water	≤ 500	0.0000290	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>5.80%</b>	1.39% - 12.7%	1.86% - 11.4%
	501 - 3,300	0.0000378	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>7.69%</b>	3.39% - 13.1%	4.26% - 11.8%
	3,301 - 10,000	0.0000219	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.70%</b>	1.23% - 7.96%	1.53% - 6.96%
	10,001 - 50,000	0.0000126	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.50%</b>	0.000% - 3.71%	0.136% - 3.41%
	> 50,000	0.0000271	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.45%</b>	0.399% - 16.4%	0.578% - 12.7%
	Total	0.0000263	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.28%</b>	0.622% - 14.2%	0.840% - 11.1%
All Systems - Combined Ground & Surface Water		0.0000518	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.04%</b>	0.408% - 8.70%	0.551% - 6.86%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.16.g. 2,4-D - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.07 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.16.h. 2,4-D - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.035 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.16.i. 2,4-D - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0175 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.16.j. 2,4-D - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,100	0	6,600	0	5,600
	501 - 3,300	29,900	2,100	78,800	3,600	68,300
	3,301 - 10,000	37,800	0	107,300	0	94,300
	10,001 - 50,000	13,500	0	86,900	0	68,500
	> 50,000	0	0	94,200	0	0
	<b>GW Total</b>	<b>70,000</b>	<b>5,600</b>	<b>269,700</b>	<b>9,900</b>	<b>164,700</b>
Surface Water	≤ 500	17,000	4,100	37,100	5,400	33,300
	501 - 3,300	216,600	95,600	368,400	120,100	332,900
	3,301 - 10,000	225,400	74,900	484,600	93,100	423,300
	10,001 - 50,000	327,800	0	810,900	29,800	745,200
	> 50,000	3,325,500	383,700	15,809,000	556,200	12,198,500
	<b>SW Total</b>	<b>4,180,100</b>	<b>791,700</b>	<b>18,105,800</b>	<b>1,069,500</b>	<b>14,120,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>4,336,800</b>	<b>869,100</b>	<b>18,527,500</b>	<b>1,174,500</b>	<b>14,616,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.17.a. Dalapon - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.2 mg/L			Threshold = 0.1 mg/L		
Ground Water	≤ 500	0.0000287	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000386	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000300	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000251	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000366	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000311	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000788	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000211	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00116%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000791	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000899	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000337	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000113	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000325%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000398	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000344%</b>	0.000% - 0.000%	0.000% - 0.000%
			Threshold = 0.05 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.0000287	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.188%</b>	0.0911% - 0.319%	0.0911% - 0.304%
	501 - 3,300	0.0000386	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.289%</b>	0.0807% - 0.605%	0.121% - 0.525%
	3,301 - 10,000	0.0000300	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.236%</b>	0.000% - 0.550%	0.000% - 0.550%
	10,001 - 50,000	0.0000251	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.215%</b>	0.000% - 0.615%	0.000% - 0.410%
	> 50,000	0.0000366	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.329%</b>	0.000% - 1.47%	0.000% - 1.47%
	Total	0.0000311	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.219%</b>	0.125% - 0.346%	0.134% - 0.317%
Surface Water	≤ 500	0.0000788	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.06%</b>	0.000% - 2.78%	0.000% - 2.78%
	501 - 3,300	0.000211	<b>0.00116%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>4.12%</b>	1.74% - 6.96%	2.03% - 6.38%
	3,301 - 10,000	0.0000791	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.06%</b>	0.000% - 2.48%	0.000% - 2.07%
	10,001 - 50,000	0.0000899	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.38%</b>	0.692% - 2.77%	0.692% - 2.42%
	> 50,000	0.0000337	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.332%</b>	0.000% - 1.44%	0.000% - 1.44%
	Total	0.000113	<b>0.000325%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.91%</b>	1.14% - 2.76%	1.22% - 2.68%
All Systems - Combined Ground & Surface Water		0.0000398	<b>0.0000344%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.397%</b>	0.275% - 0.533%	0.301% - 0.515%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.17.b. Dalapon - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.17.c. Dalapon - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.17.d. Dalapon - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.17.e. Dalapon - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	82	40	139	40	132
	501 - 3,300	35	10	74	15	64
	3,301 - 10,000	6	0	13	0	13
	10,001 - 50,000	3	0	7	0	5
	> 50,000	1	0	3	0	3
	<b>GW Total</b>	<b>130</b>	<b>74</b>	<b>205</b>	<b>80</b>	<b>188</b>
Surface Water	≤ 500	16	0	43	0	43
	501 - 3,300	70	30	119	35	109
	3,301 - 10,000	11	0	25	0	21
	10,001 - 50,000	13	6	26	6	23
	> 50,000	1	0	6	0	6
	<b>SW Total</b>	<b>107</b>	<b>64</b>	<b>154</b>	<b>68</b>	<b>150</b>
<b>Total Ground &amp; Surface Water</b>		<b>258</b>	<b>179</b>	<b>346</b>	<b>195</b>	<b>335</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.17.f. Dalapon - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
Ground Water	≤ 500	0.0000287	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000386	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000300	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000251	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000366	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000311	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000788	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000211	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00162%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000791	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000899	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000337	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000113	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000182%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000398	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000107%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
Ground Water	≤ 500	0.0000287	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.244%</b>	0.0953% - 0.428%	0.116% - 0.391%
	501 - 3,300	0.0000386	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.308%</b>	0.0872% - 0.631%	0.0971% - 0.566%
	3,301 - 10,000	0.0000300	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.202%</b>	0.000% - 0.549%	0.000% - 0.459%
	10,001 - 50,000	0.0000251	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.270%</b>	0.000% - 0.712%	0.000% - 0.573%
	> 50,000	0.0000366	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.214%</b>	0.000% - 0.801%	0.000% - 0.736%
	Total	0.0000311	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.238%</b>	0.0343% - 0.524%	0.0495% - 0.505%
Surface Water	≤ 500	0.0000788	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.39%</b>	0.000% - 3.87%	0.000% - 3.44%
	501 - 3,300	0.000211	<b>0.00162%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>4.17%</b>	1.64% - 7.18%	2.07% - 6.59%
	3,301 - 10,000	0.0000791	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.10%</b>	0.000% - 2.70%	0.000% - 2.34%
	10,001 - 50,000	0.0000899	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.40%</b>	0.507% - 2.79%	0.624% - 2.49%
	> 50,000	0.0000337	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.292%</b>	0.000% - 1.05%	0.000% - 0.991%
	Total	0.000113	<b>0.0000182%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.497%</b>	0.144% - 1.23%	0.162% - 1.11%
All Systems - Combined Ground & Surface Water		0.0000398	<b>0.0000107%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.390%</b>	0.144% - 0.860%	0.155% - 0.794%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.17.g. Dalapon - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.17.h. Dalapon - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.17.i. Dalapon - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.17.j. Dalapon - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	15,800	6,200	27,800	7,500	25,400
	501 - 3,300	47,900	13,500	98,000	15,100	87,900
	3,301 - 10,000	27,800	0	75,500	0	63,100
	10,001 - 50,000	66,000	0	174,000	0	140,100
	> 50,000	54,500	0	203,700	0	187,400
	<b>GW Total</b>	<b>204,100</b>	<b>29,400</b>	<b>449,300</b>	<b>42,400</b>	<b>432,300</b>
Surface Water	≤ 500	4,100	0	11,300	0	10,100
	501 - 3,300	117,400	46,100	202,300	58,300	185,800
	3,301 - 10,000	66,700	0	164,200	0	142,400
	10,001 - 50,000	305,700	110,900	609,500	136,400	545,000
	> 50,000	281,000	0	1,008,000	0	954,000
	<b>SW Total</b>	<b>632,800</b>	<b>183,200</b>	<b>1,564,800</b>	<b>206,700</b>	<b>1,414,600</b>
<b>Total Ground &amp; Surface Water</b>		<b>831,600</b>	<b>306,100</b>	<b>1,832,500</b>	<b>330,600</b>	<b>1,691,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.18.a. 1,2-Dibromo-3-chloropropane - 16 Cross-Section States - Mean Concentration, Best Estimate, Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.0002 mg/L			Threshold = 0.0001 mg/L			Threshold = 0.00002 mg/L		
Ground Water	≤ 500	0.000288	<b>1.24%</b>	0.994% - 1.51%	1.02% - 1.48%	<b>1.72%</b>	1.39% - 2.08%	1.46% - 2.01%	<b>3.72%</b>	3.10% - 4.27%	3.20% - 4.20%
	501 - 3,300	0.000182	<b>1.39%</b>	1.03% - 1.83%	1.10% - 1.76%	<b>1.89%</b>	1.41% - 2.52%	1.48% - 2.41%	<b>3.92%</b>	3.03% - 5.41%	3.10% - 5.24%
	3,301 - 10,000	0.0000481	<b>1.92%</b>	1.42% - 2.72%	1.42% - 2.59%	<b>2.54%</b>	1.81% - 3.62%	1.94% - 3.36%	<b>5.03%</b>	3.49% - 6.73%	3.88% - 6.34%
	10,001 - 50,000	0.0000971	<b>2.74%</b>	2.03% - 3.51%	2.22% - 3.33%	<b>3.63%</b>	2.77% - 4.44%	2.96% - 4.25%	<b>6.21%</b>	4.81% - 7.76%	4.99% - 7.58%
	> 50,000	0.000137	<b>3.27%</b>	2.11% - 4.93%	2.11% - 4.23%	<b>4.00%</b>	2.82% - 5.63%	2.82% - 5.63%	<b>6.20%</b>	4.23% - 9.16%	4.23% - 8.45%
	Total	0.000241	<b>1.40%</b>	1.19% - 1.61%	1.22% - 1.59%	<b>1.91%</b>	1.65% - 2.18%	1.68% - 2.15%	<b>3.97%</b>	3.41% - 4.52%	3.52% - 4.44%
Surface Water	≤ 500	0.0000653	<b>2.25%</b>	0.000% - 4.71%	0.588% - 4.71%	<b>3.57%</b>	0.588% - 7.06%	1.18% - 6.47%	<b>8.89%</b>	3.53% - 14.7%	4.12% - 13.5%
	501 - 3,300	0.00000502	<b>0.251%</b>	0.000% - 1.07%	0.000% - 1.07%	<b>0.490%</b>	0.000% - 1.79%	0.000% - 1.43%	<b>1.76%</b>	0.357% - 4.29%	0.357% - 3.57%
	3,301 - 10,000	0.0000239	<b>1.63%</b>	0.500% - 3.50%	0.500% - 3.00%	<b>2.32%</b>	1.00% - 4.00%	1.00% - 4.00%	<b>4.91%</b>	2.00% - 8.00%	2.50% - 7.50%
	10,001 - 50,000	0.0000133	<b>1.18%</b>	0.389% - 2.34%	0.389% - 2.34%	<b>1.93%</b>	0.778% - 3.50%	0.778% - 3.50%	<b>6.16%</b>	3.11% - 9.34%	3.89% - 8.56%
	> 50,000	0.000739	<b>4.83%</b>	3.94% - 6.30%	3.94% - 6.30%	<b>5.53%</b>	3.94% - 7.87%	3.94% - 7.87%	<b>9.29%</b>	5.51% - 13.4%	6.30% - 12.6%
	Total	0.000111	<b>1.64%</b>	1.06% - 2.32%	1.16% - 2.22%	<b>2.33%</b>	1.55% - 3.19%	1.64% - 3.00%	<b>5.56%</b>	4.06% - 7.06%	4.45% - 6.87%
All Systems - Combined Ground & Surface Water		0.000231	<b>1.41%</b>	1.22% - 1.65%	1.25% - 1.60%	<b>1.94%</b>	1.70% - 2.21%	1.72% - 2.17%	<b>4.09%</b>	3.53% - 4.63%	3.66% - 4.55%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.18.b. 1,2-Dibromo-3-chloropropane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	539	432	659	442	644
	501 - 3,300	169	126	222	134	214
	3,301 - 10,000	46	34	65	34	62
	10,001 - 50,000	33	24	42	26	40
	> 50,000	6	4	9	4	8
	<b>GW Total</b>	<b>830</b>	<b>709</b>	<b>959</b>	<b>726</b>	<b>946</b>
Surface Water	≤ 500	35	0	72	9	72
	501 - 3,300	4	0	18	0	18
	3,301 - 10,000	17	5	35	5	30
	10,001 - 50,000	11	4	22	4	22
	> 50,000	19	16	25	16	25
	<b>SW Total</b>	<b>92</b>	<b>59</b>	<b>130</b>	<b>65</b>	<b>124</b>
<b>Total Ground &amp; Surface Water</b>		<b>920</b>	<b>792</b>	<b>1,070</b>	<b>810</b>	<b>1,042</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.18.c. 1,2-Dibromo-3-chloropropane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	749	603	905	633	875
	501 - 3,300	230	172	306	180	293
	3,301 - 10,000	61	44	87	47	81
	10,001 - 50,000	43	33	53	35	51
	> 50,000	8	5	11	5	11
	<b>GW Total</b>	1,136	978	1,298	1,001	1,275
Surface Water	≤ 500	55	9	108	18	99
	501 - 3,300	8	0	30	0	24
	3,301 - 10,000	23	10	40	10	40
	10,001 - 50,000	18	7	33	7	33
	> 50,000	22	16	32	16	32
	<b>SW Total</b>	130	86	178	92	168
<b>Total Ground &amp; Surface Water</b>		1,263	1,102	1,436	1,120	1,408

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.18.d. 1,2-Dibromo-3-chloropropane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,616	1,348	1,855	1,393	1,825
	501 - 3,300	477	369	658	377	637
	3,301 - 10,000	121	84	162	93	152
	10,001 - 50,000	74	57	92	59	90
	> 50,000	12	8	17	8	16
	<b>GW Total</b>	<b>2,360</b>	<b>2,025</b>	<b>2,687</b>	<b>2,093</b>	<b>2,641</b>
Surface Water	≤ 500	137	54	226	63	208
	501 - 3,300	30	6	73	6	61
	3,301 - 10,000	50	20	81	25	76
	10,001 - 50,000	57	29	87	36	80
	> 50,000	37	22	54	25	51
	<b>SW Total</b>	<b>311</b>	<b>227</b>	<b>395</b>	<b>249</b>	<b>384</b>
<b>Total Ground &amp; Surface Water</b>		<b>2,658</b>	<b>2,297</b>	<b>3,010</b>	<b>2,380</b>	<b>2,960</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.18.e. 1,2-Dibromo-3-chloropropane - 16 Cross-Section States - Mean Concentration, Best Estimate, Credible Intervals Based on the Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.0002 mg/L			Threshold = 0.0001 mg/L			Threshold = 0.00002 mg/L		
Ground Water	≤ 500	0.000288	<b>1.21%</b>	0.905% - 1.55%	0.940% - 1.49%	<b>1.70%</b>	1.34% - 2.13%	1.39% - 2.03%	<b>3.68%</b>	2.99% - 4.35%	3.08% - 4.24%
	501 - 3,300	0.000182	<b>1.48%</b>	1.11% - 1.96%	1.17% - 1.88%	<b>1.97%</b>	1.52% - 2.63%	1.56% - 2.49%	<b>3.99%</b>	3.07% - 5.54%	3.14% - 5.30%
	3,301 - 10,000	0.0000481	<b>2.21%</b>	1.63% - 3.02%	1.72% - 2.90%	<b>2.82%</b>	2.10% - 3.89%	2.16% - 3.64%	<b>5.25%</b>	3.78% - 6.85%	4.03% - 6.64%
	10,001 - 50,000	0.0000971	<b>2.82%</b>	1.94% - 3.80%	2.09% - 3.62%	<b>3.94%</b>	3.12% - 4.78%	3.27% - 4.63%	<b>6.35%</b>	4.93% - 7.93%	5.10% - 7.69%
	> 50,000	0.000137	<b>4.41%</b>	3.48% - 6.41%	3.48% - 5.62%	<b>5.04%</b>	3.97% - 8.17%	3.97% - 6.93%	<b>7.05%</b>	4.57% - 15.9%	4.84% - 14.7%
	Total	0.000241	<b>3.27%</b>	2.71% - 4.20%	2.77% - 3.80%	<b>4.03%</b>	3.40% - 5.38%	3.45% - 4.96%	<b>6.21%</b>	4.92% - 9.98%	5.06% - 9.46%
Surface Water	≤ 500	0.0000653	<b>2.31%</b>	0.000% - 5.69%	0.0971% - 5.18%	<b>3.61%</b>	0.410% - 8.32%	0.771% - 7.16%	<b>8.87%</b>	3.17% - 15.2%	3.84% - 14.5%
	501 - 3,300	0.00000502	<b>0.255%</b>	0.000% - 1.20%	0.000% - 0.926%	<b>0.503%</b>	0.000% - 1.76%	0.000% - 1.59%	<b>1.77%</b>	0.206% - 4.12%	0.374% - 3.66%
	3,301 - 10,000	0.0000239	<b>1.83%</b>	0.330% - 3.59%	0.596% - 3.29%	<b>2.55%</b>	1.10% - 4.41%	1.10% - 4.16%	<b>5.21%</b>	2.41% - 8.38%	2.98% - 7.87%
	10,001 - 50,000	0.0000133	<b>0.910%</b>	0.197% - 2.14%	0.197% - 1.97%	<b>1.63%</b>	0.409% - 3.25%	0.547% - 3.05%	<b>5.81%</b>	3.03% - 8.95%	3.45% - 8.29%
	> 50,000	0.000739	<b>2.26%</b>	1.71% - 4.49%	1.71% - 4.08%	<b>2.75%</b>	1.71% - 5.90%	1.71% - 4.82%	<b>5.37%</b>	2.24% - 15.7%	2.55% - 10.9%
	Total	0.000111	<b>2.07%</b>	1.51% - 3.97%	1.52% - 3.56%	<b>2.58%</b>	1.60% - 5.24%	1.66% - 4.33%	<b>5.39%</b>	2.74% - 14.2%	2.97% - 9.85%
All Systems - Combined Ground & Surface Water		0.000231	<b>2.60%</b>	2.11% - 3.77%	2.16% - 3.46%	<b>3.22%</b>	2.49% - 4.96%	2.53% - 4.60%	<b>5.75%</b>	3.99% - 10.4%	4.18% - 8.84%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.18.f. 1,2-Dibromo-3-chloropropane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	78,699	58,813	100,730	61,114	96,701
	501 - 3,300	229,033	172,357	304,653	182,140	291,765
	3,301 - 10,000	304,737	223,767	416,276	236,574	399,890
	10,001 - 50,000	688,287	473,198	929,041	511,083	885,779
	> 50,000	1,121,018	884,907	1,631,200	884,907	1,428,878
	<b>GW Total</b>	<b>2,799,221</b>	<b>2,319,404</b>	<b>3,600,345</b>	<b>2,371,669</b>	<b>3,251,620</b>
Surface Water	≤ 500	6,761	0	16,645	284	15,136
	501 - 3,300	7,173	0	33,936	0	26,106
	3,301 - 10,000	111,223	20,066	218,552	36,233	200,299
	10,001 - 50,000	198,747	42,984	466,547	42,984	430,272
	> 50,000	2,179,751	1,642,516	4,323,879	1,642,516	3,928,173
	<b>SW Total</b>	<b>2,630,565</b>	<b>1,920,083</b>	<b>5,052,315</b>	<b>1,939,182</b>	<b>4,530,276</b>
<b>Total Ground &amp; Surface Water</b>		<b>5,531,822</b>	<b>4,500,863</b>	<b>8,030,408</b>	<b>4,594,586</b>	<b>7,376,473</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.18.g. 1,2-Dibromo-3-chloropropane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	110,543	86,953	138,487	90,137	131,924
	501 - 3,300	305,740	235,710	408,223	241,921	386,018
	3,301 - 10,000	388,185	288,488	535,803	297,439	501,652
	10,001 - 50,000	963,505	762,591	1,168,818	798,032	1,132,643
	> 50,000	1,283,344	1,009,323	2,077,419	1,009,323	1,764,216
	<b>GW Total</b>	<b>3,454,686</b>	<b>2,912,321</b>	<b>4,607,962</b>	<b>2,952,591</b>	<b>4,246,385</b>
Surface Water	≤ 500	10,551	1,198	24,330	2,254	20,923
	501 - 3,300	14,186	0	49,551	0	44,844
	3,301 - 10,000	155,152	66,807	268,018	66,807	253,111
	10,001 - 50,000	355,319	89,354	710,856	119,423	667,151
	> 50,000	2,646,703	1,642,516	5,680,446	1,642,516	4,635,822
	<b>SW Total</b>	<b>3,290,116</b>	<b>2,034,677</b>	<b>6,674,454</b>	<b>2,112,346</b>	<b>5,513,237</b>
<b>Total Ground &amp; Surface Water</b>		<b>6,867,384</b>	<b>5,299,644</b>	<b>10,571,596</b>	<b>5,382,717</b>	<b>9,802,637</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.18.h. 1,2-Dibromo-3-chloropropane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	239,347	193,986	282,629	200,030	275,740
	501 - 3,300	618,933	476,700	860,699	488,035	822,656
	3,301 - 10,000	722,252	519,829	943,679	555,356	914,761
	10,001 - 50,000	1,552,313	1,205,725	1,937,764	1,245,566	1,878,370
	> 50,000	1,793,221	1,163,762	4,047,978	1,230,423	3,729,941
	<b>GW Total</b>	5,321,690	4,212,969	8,546,749	4,338,921	8,104,632
Surface Water	≤ 500	25,944	9,264	44,507	11,214	42,285
	501 - 3,300	50,002	5,798	116,210	10,539	103,216
	3,301 - 10,000	316,754	146,878	509,569	181,194	479,086
	10,001 - 50,000	1,268,964	662,562	1,955,783	753,031	1,811,339
	> 50,000	5,173,057	2,157,607	15,086,881	2,451,257	10,475,128
	<b>SW Total</b>	6,861,624	3,486,199	18,029,430	3,777,777	12,542,932
<b>Total Ground &amp; Surface Water</b>		12,252,231	8,507,547	22,216,753	8,903,742	18,829,923

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.19.a. 1,4-Dichlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.075 mg/L			Threshold = 0.005 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000400%</b>	0.000% - 0.00833%	0.000% - 0.000%	<b>0.153%</b>	0.100% - 0.225%	0.108% - 0.208%
	501 - 3,300	0.0000209	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0356%</b>	0.000% - 0.0995%	0.000% - 0.0746%
	3,301 - 10,000	0.0000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0129%</b>	0.000% - 0.101%	0.000% - 0.101%
	10,001 - 50,000	0.0000223	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.118%</b>	0.000% - 0.400%	0.000% - 0.400%
	> 50,000	0.0000302	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0268%</b>	0.000% - 1.03%	0.000% - 0.000%
	Total	0.0000229	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000273%</b>	0.000% - 0.00568%	0.000% - 0.000%	<b>0.117%</b>	0.0738% - 0.170%	0.0795% - 0.153%
Surface Water	≤ 500	0.0000195	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0216%</b>	0.000% - 0.338%	0.000% - 0.338%
	501 - 3,300	0.0000301	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.197%</b>	0.000% - 0.514%	0.000% - 0.514%
	3,301 - 10,000	0.0000277	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0233%</b>	0.000% - 0.388%	0.000% - 0.388%
	10,001 - 50,000	0.0000181	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0128%</b>	0.000% - 0.338%	0.000% - 0.000%
	> 50,000	0.0000364	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0692%</b>	0.000% - 0.935%	0.000% - 0.935%
	Total	0.0000252	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0746%</b>	0.000% - 0.223%	0.000% - 0.149%
All Systems - Combined Ground & Surface Water		0.0000231	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000253%</b>	0.000% - 0.00527%	0.000% - 0.000%	<b>0.114%</b>	0.0738% - 0.164%	0.0791% - 0.153%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.19.b. 1,4-Dichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.075 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.19.c. 1,4-Dichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	4	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	3	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	3	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.19.d. 1,4-Dichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	66	43	98	47	91
	501 - 3,300	4	0	12	0	9
	3,301 - 10,000	0	0	2	0	2
	10,001 - 50,000	1	0	5	0	5
	> 50,000	0	0	2	0	0
	<b>GW Total</b>	69	44	101	47	91
Surface Water	≤ 500	1	0	5	0	5
	501 - 3,300	3	0	9	0	9
	3,301 - 10,000	0	0	4	0	4
	10,001 - 50,000	0	0	3	0	0
	> 50,000	0	0	4	0	4
	<b>SW Total</b>	4	0	12	0	8
<b>Total Ground &amp; Surface Water</b>		74	48	106	51	99

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.19.e. 1,4-Dichlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.075 mg/L			Threshold = 0.0050 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000838%</b>	0.000% - 0.00139%	0.000% - 0.000%	<b>0.149%</b>	0.0912% - 0.221%	0.103% - 0.209%	
	501 - 3,300	0.0000209	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0341%</b>	0.000% - 0.119%	0.000% - 0.103%	
	3,301 - 10,000	0.0000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0114%</b>	0.000% - 0.121%	0.000% - 0.0780%	
	10,001 - 50,000	0.0000223	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.107%</b>	0.000% - 0.454%	0.000% - 0.372%	
	> 50,000	0.0000302	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0168%</b>	0.000% - 0.382%	0.000% - 0.000%	
	Total	0.0000229	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000416%</b>	0.000% - 0.0000691%	0.000% - 0.000%	<b>0.0505%</b>	0.00580% - 0.187%	0.00709% - 0.143%	
Surface Water	≤ 500	0.0000195	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0189%</b>	0.000% - 0.377%	0.000% - 0.0755%	
	501 - 3,300	0.0000301	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.162%</b>	0.000% - 0.529%	0.000% - 0.443%	
	3,301 - 10,000	0.0000277	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0237%</b>	0.000% - 0.442%	0.000% - 0.257%	
	10,001 - 50,000	0.0000181	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0107%</b>	0.000% - 0.207%	0.000% - 0.000%	
	> 50,000	0.0000364	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0258%</b>	0.000% - 0.229%	0.000% - 0.229%	
	Total	0.0000252	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0255%</b>	0.000% - 0.193%	0.000% - 0.177%	
All Systems - Combined Ground & Surface Water		0.0000231	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000206%</b>	0.000% - 0.0000343%	0.000% - 0.000%	<b>0.0379%</b>	0.00390% - 0.167%	0.00456% - 0.119%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.19.f. 1,4-Dichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.075 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.19.g. 1,4-Dichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	<100	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	<100	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	<100	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.19.h. 1,4-Dichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	9,664	5,926	14,336	6,720	13,576
	501 - 3,300	5,296	0	18,447	0	16,025
	3,301 - 10,000	0	0	16,648	0	10,738
	10,001 - 50,000	26,177	0	110,893	0	90,900
	> 50,000	0	0	97,116	0	0
	<b>GW Total</b>	43,304	4,969	159,968	6,072	122,353
Surface Water	≤ 500	<100	0	1,103	0	221
	501 - 3,300	4,577	0	14,922	0	12,478
	3,301 - 10,000	0	0	26,881	0	15,643
	10,001 - 50,000	0	0	45,147	0	0
	> 50,000	0	0	220,478	0	220,478
	<b>SW Total</b>	32,443	0	245,358	0	225,877
<b>Total Ground &amp; Surface Water</b>		80,730	8,303	355,511	9,717	254,332

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.20.a. o-Dichlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.6 mg/L			Threshold = 0.3 mg/L		
Ground Water	≤ 500	0.0000150	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000170	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000147	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000245	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000156	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
<hr/>									
Surface Water	≤ 500	0.00000978	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000111	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000260	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000147	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
<hr/>									
All Systems - Combined Ground & Surface Water		0.0000155	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
<hr/>									
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.15 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000150	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0415%</b>	0.0222% - 0.0593%	0.0297% - 0.0593%	
	501 - 3,300	0.0000170	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0473%</b>	0.0236% - 0.0709%	0.0236% - 0.0709%	
	3,301 - 10,000	0.0000147	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00479%</b>	0.000% - 0.100%	0.000% - 0.000%	
	10,001 - 50,000	0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0444%</b>	0.000% - 0.200%	0.000% - 0.200%	
	> 50,000	0.0000245	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000156	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0407%</b>	0.0259% - 0.0621%	0.0259% - 0.0569%	
<hr/>									
Surface Water	≤ 500	0.00000978	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00199%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000111	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000489%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00226%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000260	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0108%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000147	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00186%</b>	0.000% - 0.000%	0.000% - 0.000%	
<hr/>									
All Systems - Combined Ground & Surface Water		0.0000155	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0381%</b>	0.0241% - 0.0579%	0.0241% - 0.0531%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.20.b. o-Dichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.6 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.20.c. o-Dichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.3 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.20.d. o-Dichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.15 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.20.e. o-Dichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	18	10	26	13	26
	501 - 3,300	6	3	9	3	9
	3,301 - 10,000	0	0	2	0	0
	10,001 - 50,000	1	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>24</b>	<b>15</b>	<b>37</b>	<b>15</b>	<b>34</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>25</b>	<b>16</b>	<b>38</b>	<b>16</b>	<b>35</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "S

System estimates are rounded to the nearest whole number.

**Table C.20.f. o-Dichlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.6 mg/L			Threshold = 0.3 mg/L		
Ground Water	≤ 500	0.0000150	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000170	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000147	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000245	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000156	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Surface Water	≤ 500	0.00000978	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000111	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000260	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000147	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000155	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.15 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000150	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0518%</b>	0.0309% - 0.0812%	0.0319% - 0.0745%
	501 - 3,300	0.0000170	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0635%</b>	0.0365% - 0.104%	0.0365% - 0.0967%
	3,301 - 10,000	0.0000147	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00658%</b>	0.000% - 0.149%	0.000% - 0.000%
	10,001 - 50,000	0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0311%</b>	0.000% - 0.179%	0.000% - 0.138%
	> 50,000	0.0000245	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000156	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0221%</b>	0.00731% - 0.0655%	0.00769% - 0.0542%
<hr/>								
Surface Water	≤ 500	0.00000978	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00170%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000111	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000560%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00235%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000260	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00431%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000147	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00336%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000155	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0126%</b>	0.00361% - 0.0417%	0.00380% - 0.0275%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.20.g. o-Dichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.6 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.20.h. o-Dichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.3 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.20.i. o-Dichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.15 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.20.j. o-Dichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3,400	2,000	5,300	2,100	4,800
	501 - 3,300	9,900	5,700	16,100	5,700	15,000
	3,301 - 10,000	0	0	20,600	0	0
	10,001 - 50,000	10,000	0	43,800	0	33,800
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>19,000</b>	<b>6,300</b>	<b>56,100</b>	<b>6,600</b>	<b>46,500</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>4,300</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>26,900</b>	<b>7,700</b>	<b>88,900</b>	<b>8,100</b>	<b>58,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.21.a. 1,2-Dichloroethane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000106	<b>0.00738%</b>	0.000% - 0.0202%	0.000% - 0.0134%	<b>0.0206%</b>	0.00672% - 0.0336%	0.00672% - 0.0336%	<b>0.0976%</b>	0.0672% - 0.141%	0.0672% - 0.128%
	501 - 3,300	0.0000131	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00183%</b>	0.000% - 0.0217%	0.000% - 0.0217%	<b>0.162%</b>	0.0870% - 0.261%	0.109% - 0.239%
	3,301 - 10,000	0.0000156	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000345%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.154%</b>	0.000% - 0.345%	0.000% - 0.345%
	10,001 - 50,000	0.0000255	<b>0.000904%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.130%</b>	0.000% - 0.301%	0.000% - 0.301%	<b>0.711%</b>	0.452% - 0.904%	0.602% - 0.904%
	> 50,000	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00245%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.249%</b>	0.000% - 1.23%	0.000% - 0.614%
	Total	0.0000119	<b>0.00514%</b>	0.000% - 0.0140%	0.000% - 0.00932%	<b>0.0187%</b>	0.00932% - 0.0326%	0.00932% - 0.0280%	<b>0.135%</b>	0.0932% - 0.177%	0.103% - 0.168%
Surface Water	≤ 500	0.00000953	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0245%</b>	0.000% - 0.292%	0.000% - 0.292%
	501 - 3,300	0.00000974	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0262%</b>	0.000% - 0.226%	0.000% - 0.226%
	3,301 - 10,000	0.0000138	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0314%</b>	0.000% - 0.341%	0.000% - 0.341%
	10,001 - 50,000	0.0000137	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000606%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0206%</b>	0.000% - 0.303%	0.000% - 0.303%
	> 50,000	0.0000271	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00602%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.707%</b>	0.602% - 1.21%	0.602% - 1.21%
	Total	0.0000131	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000762%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0974%</b>	0.0635% - 0.191%	0.0635% - 0.191%
All Systems - Combined Ground & Surface Water		0.0000120	<b>0.00479%</b>	0.000% - 0.0130%	0.000% - 0.00868%	<b>0.0175%</b>	0.00868% - 0.0304%	0.00868% - 0.0260%	<b>0.132%</b>	0.0955% - 0.174%	0.100% - 0.165%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.21.b. 1,2-Dichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3	0	9	0	6
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>6</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>3</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>6</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.21.c. 1,2-Dichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	9	3	15	3	15
	501 - 3,300	1	0	3	0	3
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	0	4	0	4
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	11	6	19	6	17
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		11	6	20	6	17

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.21.d. 1,2-Dichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	42	29	61	29	56
	501 - 3,300	20	11	32	13	29
	3,301 - 10,000	4	0	8	0	8
	10,001 - 50,000	8	5	11	7	11
	> 50,000	1	0	2	0	1
	<b>GW Total</b>	<b>80</b>	<b>55</b>	<b>105</b>	<b>61</b>	<b>100</b>
Surface Water	≤ 500	1	0	4	0	4
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	3	0	3
	10,001 - 50,000	0	0	3	0	3
	> 50,000	3	2	5	2	5
	<b>SW Total</b>	<b>5</b>	<b>4</b>	<b>11</b>	<b>4</b>	<b>11</b>
<b>Total Ground &amp; Surface Water</b>		<b>86</b>	<b>62</b>	<b>113</b>	<b>65</b>	<b>107</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.21.e. 1,2-Dichloroethane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000106	<b>0.0132%</b>	0.000% - 0.0348%	0.000% - 0.0257%	<b>0.0334%</b>	0.0150% - 0.0522%	0.0150% - 0.0507%	<b>0.120%</b>	0.0750% - 0.165%	0.0818% - 0.162%
	501 - 3,300	0.0000131	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00216%</b>	0.000% - 0.0273%	0.000% - 0.0273%	<b>0.166%</b>	0.0839% - 0.272%	0.0938% - 0.256%
	3,301 - 10,000	0.0000156	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000383%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.167%</b>	0.000% - 0.406%	0.000% - 0.358%
	10,001 - 50,000	0.0000255	<b>0.000528%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.255%</b>	0.000% - 0.401%	0.000% - 0.401%	<b>0.959%</b>	0.528% - 1.22%	0.674% - 1.15%
	> 50,000	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00107%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.137%</b>	0.000% - 0.697%	0.000% - 0.430%
	Total	0.0000119	<b>0.000740%</b>	0.000% - 0.00155%	0.000% - 0.00124%	<b>0.0760%</b>	0.00107% - 0.118%	0.00114% - 0.117%	<b>0.382%</b>	0.212% - 0.616%	0.272% - 0.563%
Surface Water	≤ 500	0.0000953	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0243%</b>	0.000% - 0.428%	0.000% - 0.163%
	501 - 3,300	0.0000974	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0229%</b>	0.000% - 0.329%	0.000% - 0.178%
	3,301 - 10,000	0.0000138	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0264%</b>	0.000% - 0.333%	0.000% - 0.228%
	10,001 - 50,000	0.0000137	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000371%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0131%</b>	0.000% - 0.188%	0.000% - 0.145%
	> 50,000	0.0000271	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00352%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.352%</b>	0.296% - 0.648%	0.296% - 0.648%
	Total	0.0000131	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00297%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.296%</b>	0.246% - 0.548%	0.246% - 0.539%
All Systems - Combined Ground & Surface Water		0.0000120	<b>0.000331%</b>	0.000% - 0.000692%	0.000% - 0.000553%	<b>0.0357%</b>	0.000478% - 0.0542%	0.000512% - 0.0526%	<b>0.334%</b>	0.231% - 0.518%	0.259% - 0.473%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.21.f. 1,2-Dichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	857	0	2,263	0	1,673
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	634	0	1,326	0	1,060
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		704	0	1,475	0	1,179

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.21.g. 1,2-Dichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,171	974	3,393	974	3,295
	501 - 3,300	501	0	4,234	0	4,234
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	62,205	0	98,061	0	98,061
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	65,152	917	101,019	980	100,419
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	3,783	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		75,937	1,019	115,365	1,090	112,085

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.21.h. 1,2-Dichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	7,766	4,871	10,749	5,313	10,508
	501 - 3,300	25,698	13,023	42,204	14,571	39,673
	3,301 - 10,000	23,010	0	55,880	0	49,353
	10,001 - 50,000	234,326	129,005	298,193	164,813	280,594
	> 50,000	50,001	0	177,287	0	109,303
	<b>GW Total</b>	<b>327,218</b>	<b>181,731</b>	<b>527,371</b>	<b>233,311</b>	<b>482,217</b>
Surface Water	≤ 500	<100	0	1,250	0	477
	501 - 3,300	645	0	9,282	0	5,011
	3,301 - 10,000	0	0	20,267	0	13,842
	10,001 - 50,000	0	0	41,104	0	31,598
	> 50,000	338,901	285,081	623,597	285,081	623,597
	<b>SW Total</b>	<b>376,300</b>	<b>313,605</b>	<b>697,494</b>	<b>313,605</b>	<b>686,417</b>
<b>Total Ground &amp; Surface Water</b>		<b>711,873</b>	<b>492,049</b>	<b>1,102,743</b>	<b>551,904</b>	<b>1,007,955</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.22.a. 1,1-Dichloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.3 mg/L			Threshold = 0.03 mg/L			Threshold = 0.007 mg/L		
Ground Water	≤ 500	0.0000176	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000178%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0209%</b>	0.0081% - 0.0405%	0.0081% - 0.0405%
	501 - 3,300	0.0000146	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000599%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000178	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000427	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0172%</b>	0.000% - 0.162%	0.000% - 0.162%
	> 50,000	0.000073	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Total	0.0000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000124%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0152%</b>	0.00563% - 0.0282%	0.00563% - 0.0282%	
Surface Water	≤ 500	0.0000160	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000367	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000899%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000413	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000680%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000266	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000091	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0361%</b>	0.000% - 0.602%	0.000% - 0.602%
Total	0.0000372	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00427%</b>	0.000% - 0.0647%	0.000% - 0.0647%	
All Systems - Combined Ground & Surface Water		0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000114%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0144%</b>	0.00518% - 0.0311%	0.00518% - 0.0259%

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000176	<b>0.0350%</b>	0.0162% - 0.0567%	0.0162% - 0.0486%	<b>0.136%</b>	0.0891% - 0.194%	0.0972% - 0.186%	<b>0.303%</b>	0.203% - 0.429%	0.219% - 0.405%
	501 - 3,300	0.0000146	<b>0.00196%</b>	0.000% - 0.0272%	0.000% - 0.0272%	<b>0.123%</b>	0.0544% - 0.218%	0.0544% - 0.190%	<b>0.290%</b>	0.163% - 0.463%	0.190% - 0.435%
	3,301 - 10,000	0.0000178	<b>0.000207%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.252%</b>	0.103% - 0.414%	0.207% - 0.414%	<b>0.396%</b>	0.310% - 0.621%	0.310% - 0.517%
	10,001 - 50,000	0.0000427	<b>0.184%</b>	0.000% - 0.324%	0.000% - 0.324%	<b>0.534%</b>	0.486% - 0.810%	0.486% - 0.648%	<b>1.13%</b>	0.810% - 1.62%	0.810% - 1.46%
	> 50,000	0.000073	<b>0.00127%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.32%</b>	1.27% - 1.91%	1.27% - 1.91%	<b>2.50%</b>	1.27% - 3.82%	1.27% - 3.19%
Total	0.0000183	<b>0.0311%</b>	0.0169% - 0.0450%	0.0169% - 0.0450%	<b>0.164%</b>	0.124% - 0.208%	0.130% - 0.208%	<b>0.353%</b>	0.270% - 0.462%	0.282% - 0.439%	
Surface Water	≤ 500	0.0000160	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0431%</b>	0.000% - 0.331%	0.000% - 0.331%	<b>0.183%</b>	0.000% - 0.662%	0.000% - 0.662%
	501 - 3,300	0.0000367	<b>0.00405%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.292%</b>	0.000% - 0.899%	0.000% - 0.674%	<b>0.974%</b>	0.225% - 1.80%	0.449% - 1.80%
	3,301 - 10,000	0.0000413	<b>0.00272%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.154%</b>	0.000% - 0.680%	0.000% - 0.680%	<b>0.817%</b>	0.000% - 2.04%	0.000% - 1.70%
	10,001 - 50,000	0.0000266	<b>0.000590%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.310%</b>	0.295% - 0.590%	0.295% - 0.590%	<b>0.396%</b>	0.295% - 0.885%	0.295% - 0.590%
	> 50,000	0.000091	<b>0.604%</b>	0.602% - 0.602%	0.602% - 0.602%	<b>1.81%</b>	1.21% - 2.41%	1.21% - 2.41%	<b>3.66%</b>	3.01% - 4.82%	3.01% - 4.22%
Total	0.0000372	<b>0.0666%</b>	0.0647% - 0.129%	0.0647% - 0.0647%	<b>0.384%</b>	0.259% - 0.582%	0.259% - 0.518%	<b>0.952%</b>	0.647% - 1.36%	0.647% - 1.29%	
All Systems - Combined Ground & Surface Water		0.0000198	<b>0.0340%</b>	0.0207% - 0.0466%	0.0207% - 0.0466%	<b>0.182%</b>	0.140% - 0.233%	0.145% - 0.223%	<b>0.401%</b>	0.316% - 0.518%	0.326% - 0.502%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.22.b. 1,1-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.3 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.22.c. 1,1-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.03 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.22.d. 1,1-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	9	4	18	4	18
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>9</b>	<b>3</b>	<b>17</b>	<b>3</b>	<b>17</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	2	0	2
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>9</b>	<b>3</b>	<b>20</b>	<b>3</b>	<b>17</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.22.e. 1,1-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	15	7	25	7	21
	501 - 3,300	0	0	3	0	3
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	0	4	0	4
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>18</b>	<b>10</b>	<b>27</b>	<b>10</b>	<b>27</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	2	2	2	2	2
	<b>SW Total</b>	<b>4</b>	<b>4</b>	<b>7</b>	<b>4</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>22</b>	<b>13</b>	<b>30</b>	<b>13</b>	<b>30</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.22.f. 1,1-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	59	39	85	42	81
	501 - 3,300	15	7	26	7	23
	3,301 - 10,000	6	2	10	5	10
	10,001 - 50,000	6	6	10	6	8
	> 50,000	2	2	4	2	4
	<b>GW Total</b>	<b>98</b>	<b>74</b>	<b>124</b>	<b>77</b>	<b>124</b>
Surface Water	≤ 500	1	0	5	0	5
	501 - 3,300	5	0	15	0	11
	3,301 - 10,000	2	0	7	0	7
	10,001 - 50,000	3	3	6	3	6
	> 50,000	7	5	10	5	10
	<b>SW Total</b>	<b>21</b>	<b>14</b>	<b>33</b>	<b>14</b>	<b>29</b>
<b>Total Ground &amp; Surface Water</b>		<b>118</b>	<b>91</b>	<b>152</b>	<b>94</b>	<b>145</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.22.g. 1,1-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	132	88	187	95	176
	501 - 3,300	35	20	56	23	53
	3,301 - 10,000	10	7	15	7	12
	10,001 - 50,000	13	10	19	10	17
	> 50,000	5	2	7	2	6
	<b>GW Total</b>	<b>210</b>	<b>161</b>	<b>274</b>	<b>167</b>	<b>261</b>
Surface Water	≤ 500	3	0	10	0	10
	501 - 3,300	17	4	31	8	31
	3,301 - 10,000	8	0	21	0	17
	10,001 - 50,000	4	3	8	3	6
	> 50,000	15	12	19	12	17
	<b>SW Total</b>	<b>53</b>	<b>36</b>	<b>76</b>	<b>36</b>	<b>72</b>
<b>Total Ground &amp; Surface Water</b>		<b>261</b>	<b>205</b>	<b>337</b>	<b>212</b>	<b>327</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.22.h. 1,1-Dichloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.3 mg/L			Threshold = 0.03 mg/L			Threshold = 0.007 mg/L		
Ground Water	≤ 500	0.0000176	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000128%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0171%</b>	0.00191% - 0.0332%	0.00327% - 0.0315%
	501 - 3,300	0.0000146	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000633%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000178	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000427	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0355%</b>	0.000% - 0.335%	0.000% - 0.335%
	> 50,000	0.000073	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000515%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0112%</b>	0.0000768% - 0.100%	0.000132% - 0.100%
Surface Water	≤ 500	0.0000160	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000367	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000548%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000413	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000538%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000266	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000091	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0184%</b>	0.000% - 0.269%	0.000% - 0.269%
	Total	0.0000372	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0153%</b>	0.000% - 0.223%	0.000% - 0.223%
All Systems - Combined Ground & Surface Water		0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000220%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0135%</b>	0.0000328% - 0.128%	0.0000562% - 0.128%

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000176	<b>0.0283%</b>	0.00873% - 0.0435%	0.0115% - 0.0403%	<b>0.123%</b>	0.0645% - 0.184%	0.0737% - 0.176%	<b>0.278%</b>	0.169% - 0.412%	0.192% - 0.390%
	501 - 3,300	0.0000146	<b>0.00188%</b>	0.000% - 0.0156%	0.000% - 0.0156%	<b>0.187%</b>	0.0634% - 0.320%	0.0780% - 0.294%	<b>0.413%</b>	0.258% - 0.629%	0.280% - 0.594%
	3,301 - 10,000	0.0000178	<b>0.000243%</b>	0.000% - 0.0000%	0.000% - 0.0000%	<b>0.289%</b>	0.122% - 0.485%	0.246% - 0.413%	<b>0.431%</b>	0.335% - 0.671%	0.335% - 0.645%
	10,001 - 50,000	0.0000427	<b>0.360%</b>	0.000% - 0.581%	0.000% - 0.581%	<b>0.707%</b>	0.670% - 0.944%	0.670% - 0.858%	<b>1.40%</b>	1.02% - 1.92%	1.15% - 1.84%
	> 50,000	0.000073	<b>0.000673%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.943%</b>	0.912% - 1.29%	0.912% - 1.22%	<b>1.84%</b>	0.912% - 3.31%	0.912% - 2.56%
	Total	0.0000183	<b>0.108%</b>	0.00101% - 0.173%	0.00211% - 0.173%	<b>0.680%</b>	0.635% - 0.835%	0.641% - 0.790%	<b>1.32%</b>	0.897% - 1.95%	0.960% - 1.65%
Surface Water	≤ 500	0.0000160	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.049%</b>	0.000% - 0.768%	0.000% - 0.453%	<b>0.215%</b>	0.000% - 1.06%	0.000% - 0.881%
	501 - 3,300	0.0000367	<b>0.00357%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.268%</b>	0.000% - 0.847%	0.000% - 0.763%	<b>0.901%</b>	0.131% - 1.92%	0.215% - 1.76%
	3,301 - 10,000	0.0000413	<b>0.00254%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.156%</b>	0.000% - 0.791%	0.000% - 0.695%	<b>0.842%</b>	0.000% - 1.98%	0.000% - 1.81%
	10,001 - 50,000	0.0000266	<b>0.000884%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.455%</b>	0.442% - 0.695%	0.442% - 0.605%	<b>0.532%</b>	0.442% - 1.02%	0.442% - 0.922%
	> 50,000	0.000091	<b>0.273%</b>	0.269% - 0.269%	0.269% - 0.269%	<b>0.688%</b>	0.566% - 1.06%	0.566% - 0.809%	<b>15.6%</b>	15.4% - 16.7%	15.4% - 16.4%
	Total	0.0000372	<b>0.227%</b>	0.223% - 0.224%	0.223% - 0.223%	<b>0.637%</b>	0.531% - 0.942%	0.544% - 0.736%	<b>13.1%</b>	12.8% - 14.0%	12.9% - 13.7%
All Systems - Combined Ground & Surface Water		0.0000198	<b>0.176%</b>	0.128% - 0.202%	0.129% - 0.202%	<b>0.655%</b>	0.586% - 0.873%	0.611% - 0.767%	<b>8.06%</b>	7.81% - 8.66%	7.89% - 8.55%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.22.i. 1,1-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.3 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.22.j. 1,1-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.03 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.22.k. 1,1-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,100	100	2,200	200	2,000
	501 - 3,300	100	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	8,700	0	81,800	0	81,800
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	9,600	100	85,500	100	85,400
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	17,700	0	258,900	0	258,900
	<b>SW Total</b>	19,400	0	283,800	0	283,800
<b>Total Ground &amp; Surface Water</b>		28,800	100	273,500	100	272,700

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.22.I. 1,1-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,800	600	2,800	700	2,600
	501 - 3,300	300	0	2,400	0	2,400
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	88,100	0	141,900	0	141,900
	> 50,000	200	0	0	0	0
	<b>GW Total</b>	92,500	900	148,200	1,800	148,100
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	100	0	0	0	0
	3,301 - 10,000	200	0	0	0	0
	10,001 - 50,000	200	0	0	0	0
	> 50,000	262,800	258,900	258,900	258,900	258,900
	<b>SW Total</b>	288,500	283,800	285,700	283,800	283,800
<b>Total Ground &amp; Surface Water</b>		374,900	273,100	430,500	274,100	429,400

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.22.m. 1,1-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	8,000	4,200	12,000	4,800	11,400
	501 - 3,300	29,100	9,800	49,800	12,100	45,600
	3,301 - 10,000	39,800	16,700	66,800	33,900	56,900
	10,001 - 50,000	172,800	163,700	230,600	163,700	209,600
	> 50,000	240,000	232,000	328,500	232,000	310,700
	<b>GW Total</b>	582,200	544,100	715,300	549,100	677,000
Surface Water	≤ 500	100	0	2,200	0	1,300
	501 - 3,300	7,500	0	23,900	0	21,500
	3,301 - 10,000	9,500	0	48,100	0	42,300
	10,001 - 50,000	99,400	96,600	151,900	96,600	132,200
	> 50,000	662,400	544,900	1,023,400	544,900	778,400
	<b>SW Total</b>	810,600	675,500	1,199,700	692,500	936,500
<b>Total Ground &amp; Surface Water</b>		1,395,000	1,248,000	1,859,100	1,301,100	1,634,000

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.22.n. 1,1-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	18,100	11,000	26,800	12,400	25,400
	501 - 3,300	64,200	40,000	97,700	43,500	92,200
	3,301 - 10,000	59,300	46,100	92,400	46,100	88,900
	10,001 - 50,000	342,200	248,300	469,000	281,600	449,700
	> 50,000	466,900	232,000	842,900	232,000	651,600
	<b>GW Total</b>	<b>1,130,100</b>	<b>768,400</b>	<b>1,667,400</b>	<b>822,300</b>	<b>1,417,200</b>
Surface Water	≤ 500	600	0	3,100	0	2,600
	501 - 3,300	25,400	3,700	54,100	6,100	49,500
	3,301 - 10,000	51,200	0	120,500	0	110,200
	10,001 - 50,000	116,100	96,600	222,000	96,600	201,400
	> 50,000	15,058,000	14,798,000	16,097,800	14,836,600	15,818,600
	<b>SW Total</b>	<b>16,641,600</b>	<b>16,336,000</b>	<b>17,774,800</b>	<b>16,386,900</b>	<b>17,481,900</b>
<b>Total Ground &amp; Surface Water</b>		<b>17,157,800</b>	<b>16,642,300</b>	<b>18,440,100</b>	<b>16,814,900</b>	<b>18,212,200</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.23.a. cis-1,2-Dichloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.07 mg/L			Threshold = 0.035 mg/L		
Ground Water	≤ 500	0.0000154	<b>0.000624%</b>	0.000% - 0.00679%	0.000% - 0.00679%	<b>0.00405%</b>	0.000% - 0.00679%	0.000% - 0.00679%	
	501 - 3,300	0.0000168	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000314	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000173%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.000105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00514%</b>	0.000% - 0.151%	0.000% - 0.000%	
	> 50,000	0.000149	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Total	0.0000204	<b>0.000431%</b>	0.000% - 0.00468%	0.000% - 0.00468%	<b>0.00296%</b>	0.000% - 0.00937%	0.000% - 0.00468%		
Surface Water	≤ 500	0.00000402	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.00000699	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.00000919	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000172	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000667	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Total	0.0000153	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%		
All Systems - Combined Ground & Surface Water		0.0000200	<b>0.000401%</b>	0.000% - 0.00436%	0.000% - 0.00436%	<b>0.00276%</b>	0.000% - 0.00873%	0.000% - 0.00436%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.0175 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000154	<b>0.00791%</b>	0.000% - 0.0136%	0.00679% - 0.0136%	<b>0.263%</b>	0.204% - 0.319%	0.217% - 0.312%	
	501 - 3,300	0.0000168	<b>0.000691%</b>	0.000% - 0.0216%	0.000% - 0.000%	<b>0.374%</b>	0.281% - 0.475%	0.302% - 0.453%	
	3,301 - 10,000	0.0000314	<b>0.000173%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.09%</b>	0.863% - 1.38%	0.863% - 1.38%	
	10,001 - 50,000	0.000105	<b>0.0357%</b>	0.000% - 0.151%	0.000% - 0.151%	<b>4.41%</b>	3.78% - 5.14%	3.93% - 4.99%	
	> 50,000	0.000149	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>7.00%</b>	4.97% - 8.70%	5.59% - 8.70%	
Total	0.0000204	<b>0.00673%</b>	0.000% - 0.0141%	0.00468% - 0.0141%	<b>0.511%</b>	0.454% - 0.572%	0.464% - 0.562%		
Surface Water	≤ 500	0.00000402	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0268%</b>	0.000% - 0.305%	0.000% - 0.305%	
	501 - 3,300	0.00000699	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0463%</b>	0.000% - 0.225%	0.000% - 0.225%	
	3,301 - 10,000	0.00000919	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0433%</b>	0.000% - 0.344%	0.000% - 0.344%	
	10,001 - 50,000	0.0000172	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.458%</b>	0.294% - 0.882%	0.294% - 0.588%	
	> 50,000	0.0000667	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.10%</b>	1.80% - 2.99%	1.80% - 2.99%	
Total	0.0000153	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.349%</b>	0.255% - 0.509%	0.255% - 0.446%		
All Systems - Combined Ground & Surface Water		0.0000200	<b>0.00627%</b>	0.000% - 0.0131%	0.00436% - 0.0131%	<b>0.500%</b>	0.449% - 0.554%	0.454% - 0.545%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.23.b. cis-1,2-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.07 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	3	0	3
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.23.c. cis-1,2-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.035 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2	0	3	0	3
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	2	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>3</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.23.d. cis-1,2-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0175 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3	0	6	3	6
	501 - 3,300	0	0	3	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	1	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>4</b>	<b>0</b>	<b>8</b>	<b>3</b>	<b>8</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>4</b>	<b>0</b>	<b>9</b>	<b>3</b>	<b>9</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.23.e. cis-1,2-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	114	89	139	94	136
	501 - 3,300	46	34	58	37	55
	3,301 - 10,000	26	21	33	21	33
	10,001 - 50,000	52	45	61	47	59
	> 50,000	13	9	16	11	16
	<b>GW Total</b>	<b>304</b>	<b>270</b>	<b>340</b>	<b>276</b>	<b>334</b>
Surface Water	≤ 500	1	0	5	0	5
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	1	0	3	0	3
	10,001 - 50,000	4	3	8	3	5
	> 50,000	8	7	12	7	12
	<b>SW Total</b>	<b>20</b>	<b>14</b>	<b>28</b>	<b>14</b>	<b>25</b>
<b>Total Ground &amp; Surface Water</b>		<b>325</b>	<b>292</b>	<b>360</b>	<b>295</b>	<b>355</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.23.f. cis-1,2-Dichloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.07 mg/L			Threshold = 0.035 mg/L		
Ground Water	≤ 500	0.0000154	<b>0.000225%</b>	0.000% - 0.00245%	0.000% - 0.00245%	<b>0.00166%</b>	0.000% - 0.00835%	0.000% - 0.00245%
	501 - 3,300	0.0000168	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000314	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000151%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00309%</b>	0.000% - 0.0908%	0.000% - 0.000%
	> 50,000	0.000149	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Total	0.0000204	<b>0.0000101%</b>	0.000% - 0.000109%	0.000% - 0.000109%	<b>0.000990%</b>	0.000% - 0.0263%	0.000% - 0.000535%	
Surface Water	≤ 500	0.00000402	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000699	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000919	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000172	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000667	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Total	0.0000153	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.0000200	<b>0.00000449%</b>	0.000% - 0.0000488%	0.000% - 0.0000488%	<b>0.000441%</b>	0.000% - 0.0117%	0.000% - 0.000238%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.0175 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000154	<b>0.00394%</b>	0.000% - 0.0120%	0.00245% - 0.0120%	<b>0.241%</b>	0.180% - 0.311%	0.188% - 0.299%
	501 - 3,300	0.0000168	<b>0.000569%</b>	0.000% - 0.0183%	0.000% - 0.000%	<b>0.459%</b>	0.352% - 0.587%	0.367% - 0.568%
	3,301 - 10,000	0.0000314	<b>0.000151%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.17%</b>	0.911% - 1.47%	0.962% - 1.44%
	10,001 - 50,000	0.000105	<b>0.0214%</b>	0.000% - 0.0908%	0.000% - 0.0908%	<b>5.32%</b>	4.57% - 6.07%	4.68% - 5.93%
	> 50,000	0.000149	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>6.85%</b>	4.25% - 8.78%	4.68% - 8.58%
Total	0.0000204	<b>0.00648%</b>	0.000% - 0.0269%	0.000109% - 0.0265%	<b>4.55%</b>	3.47% - 5.40%	3.59% - 5.31%	
Surface Water	≤ 500	0.00000402	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0328%</b>	0.000% - 0.743%	0.000% - 0.182%
	501 - 3,300	0.00000699	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0461%</b>	0.000% - 0.410%	0.000% - 0.314%
	3,301 - 10,000	0.00000919	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0431%</b>	0.000% - 0.449%	0.000% - 0.371%
	10,001 - 50,000	0.0000172	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.779%</b>	0.473% - 1.21%	0.473% - 1.07%
	> 50,000	0.0000667	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>15.2%</b>	15.0% - 16.4%	15.0% - 15.9%
Total	0.0000153	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>12.7%</b>	12.5% - 13.6%	12.5% - 13.3%	
All Systems - Combined Ground & Surface Water		0.0000200	<b>0.00289%</b>	0.000% - 0.0120%	0.0000488% - 0.0118%	<b>9.07%</b>	8.48% - 9.73%	8.57% - 9.52%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.23.g. cis-1,2-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.07 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	200	0	200
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.23.h. cis-1,2-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.035 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	100	0	500	0	200
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	22,200	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>800</b>	<b>0</b>	<b>22,600</b>	<b>0</b>	<b>500</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>900</b>	<b>0</b>	<b>25,000</b>	<b>0</b>	<b>500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.23.i. cis-1,2-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0175 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	300	0	800	200	800
	501 - 3,300	0	0	2,800	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	10,000	0	22,200	0	22,200
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>5,600</b>	<b>0</b>	<b>23,000</b>	<b>100</b>	<b>22,700</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>6,200</b>	<b>0</b>	<b>25,500</b>	<b>100</b>	<b>25,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.23.j. cis-1,2-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	15,600	11,700	20,200	12,200	19,400
	501 - 3,300	71,300	54,600	91,100	56,900	88,300
	3,301 - 10,000	161,300	125,400	203,000	132,500	198,200
	10,001 - 50,000	1,299,800	1,116,800	1,482,400	1,144,600	1,449,400
	> 50,000	1,743,900	1,080,100	2,234,400	1,191,500	2,181,700
	<b>GW Total</b>	<b>3,901,900</b>	<b>2,971,400</b>	<b>4,623,400</b>	<b>3,074,300</b>	<b>4,552,300</b>
Surface Water	≤ 500	100	0	2,200	0	500
	501 - 3,300	1,300	0	11,500	0	8,800
	3,301 - 10,000	3,300	0	27,300	0	22,600
	10,001 - 50,000	170,200	103,400	263,800	103,400	233,200
	> 50,000	14,634,400	14,412,900	15,741,600	14,412,900	15,279,400
	<b>SW Total</b>	<b>16,170,500</b>	<b>15,864,900</b>	<b>17,341,900</b>	<b>15,864,900</b>	<b>16,921,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>19,317,700</b>	<b>18,069,500</b>	<b>20,715,000</b>	<b>18,252,700</b>	<b>20,282,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.24.a. trans-1,2-Dichloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.1 mg/L					Threshold = 0.05 mg/L			
Ground Water	≤ 500	0.0000992	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000125	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000177	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000234	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000313	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000114	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
Surface Water	≤ 500	0.0000885	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000204	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000138	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000184	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000138	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.0000115	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.025 mg/L					Threshold = 0.0005 mg/L			
Ground Water	≤ 500	0.0000992	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.0114%</b>	0.00640% - 0.0192%	0.00640% - 0.0128%	0.00640% - 0.0128%	
	501 - 3,300	0.0000125	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00206%</b>	0.000% - 0.0219%	0.000% - 0.0219%	0.000% - 0.0219%	
	3,301 - 10,000	0.0000177	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00387%</b>	0.000% - 0.0921%	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000234	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.0781%</b>	0.000% - 0.314%	0.000% - 0.314%	0.000% - 0.314%	
	> 50,000	0.0000313	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.625%</b>	0.621% - 0.621%	0.621% - 0.621%	0.621% - 0.621%	
	Total	0.0000114	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.0155%</b>	0.00906% - 0.0227%	0.00906% - 0.0227%	0.00906% - 0.0227%	
Surface Water	≤ 500	0.0000885	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000459%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000204	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00145%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000138	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000184	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00127%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000138	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000534%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.0000115	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.0145%</b>	0.00849% - 0.0212%	0.00849% - 0.0212%	0.00849% - 0.0212%	

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.24.b. trans-1,2-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.24.c. trans-1,2-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.24.d. trans-1,2-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.24.e. trans-1,2-Dichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5	3	8	3	6
	501 - 3,300	1	0	3	0	3
	3,301 - 10,000	0	0	2	0	0
	10,001 - 50,000	1	0	4	0	4
	> 50,000	1	1	1	1	1
	<b>GW Total</b>	<b>9</b>	<b>5</b>	<b>13</b>	<b>5</b>	<b>13</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>9</b>	<b>6</b>	<b>14</b>	<b>6</b>	<b>14</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.24.f. trans-1,2-Dichloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.1 mg/L					Threshold = 0.05 mg/L			
Ground Water	≤ 500	0.0000992	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000125	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000177	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000234	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000313	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000114	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000885	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000204	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000138	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000184	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000138	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000115	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.025 mg/L					Threshold = 0.0005 mg/L			
Ground Water	≤ 500	0.0000992	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.0128%</b>	0.00267% - 0.0328%	0.00267% - 0.0156%	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000125	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00448%</b>	0.000% - 0.0489%	0.000% - 0.0489%	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000177	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00391%</b>	0.000% - 0.0904%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000234	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.0684%</b>	0.000% - 0.298%	0.000% - 0.249%	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000313	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.281%</b>	0.279% - 0.279%	0.279% - 0.279%	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000114	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.138%</b>	0.116% - 0.202%	0.116% - 0.201%	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000885	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000456%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000204	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00115%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000138	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000184	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00134%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000138	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.00116%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000115	<b>0.000%</b>	0.000%	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.0627%</b>	0.0522% - 0.0910%	0.0522% - 0.0909%	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.24.g. trans-1,2-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.24.h. trans-1,2-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.24.i. trans-1,2-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.24.j. trans-1,2-Dichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	800	200	2,100	200	1,000
	501 - 3,300	700	0	7,600	0	7,600
	3,301 - 10,000	0	0	12,400	0	0
	10,001 - 50,000	16,700	0	72,700	0	60,700
	> 50,000	71,400	70,900	70,900	70,900	70,900
	<b>GW Total</b>	<b>117,800</b>	<b>99,000</b>	<b>172,700</b>	<b>99,000</b>	<b>172,000</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>133,500</b>	<b>111,100</b>	<b>193,800</b>	<b>111,100</b>	<b>193,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.25.a. Dichloromethane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L			Threshold = 0.002 mg/L		
Ground Water	≤ 500	0.0000712	<b>0.0158%</b>	0.00736% - 0.0368%	0.00736% - 0.0295%	<b>0.0568%</b>	0.0221% - 0.0957%	0.0295% - 0.0884%	<b>0.0891%</b>	0.0442% - 0.140%	0.0516% - 0.133%
	501 - 3,300	0.0000686	<b>0.00939%</b>	0.000% - 0.0447%	0.000% - 0.0447%	<b>0.0598%</b>	0.000% - 0.134%	0.000% - 0.112%	<b>0.101%</b>	0.0224% - 0.201%	0.0224% - 0.179%
	3,301 - 10,000	0.0000648	<b>0.00263%</b>	0.000% - 0.0876%	0.000% - 0.000%	<b>0.0303%</b>	0.000% - 0.175%	0.000% - 0.0876%	<b>0.0613%</b>	0.000% - 0.175%	0.000% - 0.175%
	10,001 - 50,000	0.0000603	<b>0.000303%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0200%</b>	0.000% - 0.151%	0.000% - 0.151%	<b>0.0460%</b>	0.000% - 0.303%	0.000% - 0.151%
	> 50,000	0.0000312	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00123%</b>	0.000% - 0.000%	0.000% - 0.000%
Total	0.0000696	<b>0.0130%</b>	0.00500% - 0.0250%	0.00500% - 0.0250%	<b>0.0543%</b>	0.0250% - 0.0899%	0.0300% - 0.0849%	<b>0.0880%</b>	0.0500% - 0.130%	0.0550% - 0.125%	
Surface Water	≤ 500	0.0000867	<b>0.0374%</b>	0.000% - 0.323%	0.000% - 0.323%	<b>0.185%</b>	0.000% - 0.645%	0.000% - 0.645%	<b>0.288%</b>	0.000% - 0.968%	0.000% - 0.968%
	501 - 3,300	0.0000590	<b>0.00615%</b>	0.000% - 0.236%	0.000% - 0.000%	<b>0.0444%</b>	0.000% - 0.236%	0.000% - 0.236%	<b>0.0813%</b>	0.000% - 0.473%	0.000% - 0.236%
	3,301 - 10,000	0.000109	<b>0.0127%</b>	0.000% - 0.352%	0.000% - 0.000%	<b>0.131%</b>	0.000% - 0.704%	0.000% - 0.352%	<b>0.259%</b>	0.000% - 1.06%	0.000% - 0.704%
	10,001 - 50,000	0.000105	<b>0.00365%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.134%</b>	0.000% - 0.608%	0.000% - 0.304%	<b>0.255%</b>	0.000% - 0.608%	0.000% - 0.608%
	> 50,000	0.0000971	<b>0.0182%</b>	0.000% - 0.606%	0.000% - 0.000%	<b>0.301%</b>	0.000% - 1.21%	0.000% - 1.21%	<b>0.544%</b>	0.000% - 1.21%	0.000% - 1.21%
Total	0.0000884	<b>0.0146%</b>	0.000% - 0.0662%	0.000% - 0.0662%	<b>0.137%</b>	0.000% - 0.331%	0.000% - 0.331%	<b>0.245%</b>	0.0662% - 0.463%	0.0662% - 0.463%	
All Systems - Combined Ground & Surface Water	0.0000709	<b>0.0131%</b>	0.00465% - 0.0279%	0.00465% - 0.0232%	<b>0.0601%</b>	0.0325% - 0.0929%	0.0372% - 0.0883%	<b>0.0991%</b>	0.0604% - 0.149%	0.0650% - 0.135%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L			Threshold = 0.00025 mg/L		
Ground Water	≤ 500	0.0000712	<b>0.371%</b>	0.265% - 0.493%	0.287% - 0.471%	<b>1.44%</b>	1.19% - 1.71%	1.23% - 1.66%	<b>4.59%</b>	4.07% - 5.13%	4.14% - 5.05%
	501 - 3,300	0.0000686	<b>0.452%</b>	0.268% - 0.648%	0.291% - 0.626%	<b>1.72%</b>	1.34% - 2.12%	1.41% - 2.03%	<b>5.29%</b>	4.54% - 6.06%	4.65% - 5.95%
	3,301 - 10,000	0.0000648	<b>0.464%</b>	0.175% - 0.788%	0.175% - 0.788%	<b>1.79%</b>	1.14% - 2.45%	1.23% - 2.36%	<b>5.10%</b>	4.03% - 6.22%	4.20% - 6.04%
	10,001 - 50,000	0.0000603	<b>0.369%</b>	0.000% - 0.756%	0.000% - 0.756%	<b>1.64%</b>	0.908% - 2.57%	1.06% - 2.27%	<b>5.15%</b>	3.93% - 6.35%	4.09% - 6.35%
	> 50,000	0.0000312	<b>0.0160%</b>	0.000% - 0.614%	0.000% - 0.000%	<b>0.261%</b>	0.000% - 1.23%	0.000% - 1.23%	<b>1.85%</b>	0.614% - 3.68%	0.614% - 3.07%
Total	0.0000696	<b>0.391%</b>	0.295% - 0.495%	0.310% - 0.480%	<b>1.52%</b>	1.31% - 1.74%	1.34% - 1.71%	<b>4.77%</b>	4.35% - 5.22%	4.41% - 5.14%	
Surface Water	≤ 500	0.0000867	<b>0.896%</b>	0.000% - 1.94%	0.323% - 1.61%	<b>2.59%</b>	1.29% - 4.52%	1.29% - 4.19%	<b>6.85%</b>	3.87% - 10.7%	4.19% - 10.0%
	501 - 3,300	0.0000590	<b>0.353%</b>	0.000% - 0.946%	0.000% - 0.709%	<b>1.29%</b>	0.473% - 2.36%	0.473% - 2.13%	<b>4.14%</b>	2.13% - 6.62%	2.36% - 6.15%
	3,301 - 10,000	0.000109	<b>1.31%</b>	0.352% - 2.47%	0.352% - 2.47%	<b>4.45%</b>	2.47% - 6.69%	2.82% - 6.34%	<b>10.4%</b>	7.04% - 13.7%	7.75% - 13.0%
	10,001 - 50,000	0.000105	<b>0.998%</b>	0.304% - 2.13%	0.304% - 1.82%	<b>3.69%</b>	1.82% - 5.78%	2.13% - 5.47%	<b>9.86%</b>	6.69% - 12.8%	7.30% - 12.5%
	> 50,000	0.0000971	<b>1.64%</b>	0.606% - 3.03%	0.606% - 2.42%	<b>3.92%</b>	2.42% - 5.46%	2.42% - 5.46%	<b>7.99%</b>	5.46% - 10.9%	5.46% - 10.3%
Total	0.0000884	<b>0.925%</b>	0.530% - 1.32%	0.596% - 1.26%	<b>2.96%</b>	2.18% - 3.84%	2.32% - 3.64%	<b>7.53%</b>	6.22% - 8.93%	6.35% - 8.74%	
All Systems - Combined Ground & Surface Water	0.0000709	<b>0.429%</b>	0.334% - 0.530%	0.348% - 0.511%	<b>1.62%</b>	1.41% - 1.84%	1.44% - 1.81%	<b>4.96%</b>	4.55% - 5.39%	4.61% - 5.34%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.25.b. Dichloromethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	7	3	16	3	13
	501 - 3,300	1	0	5	0	5
	3,301 - 10,000	0	0	2	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>8</b>	<b>3</b>	<b>15</b>	<b>3</b>	<b>15</b>
Surface Water	≤ 500	1	0	5	0	5
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	0	0	4	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	1	0	2	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>9</b>	<b>3</b>	<b>18</b>	<b>3</b>	<b>15</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.25.c. Dichloromethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	25	10	42	13	38
	501 - 3,300	7	0	16	0	14
	3,301 - 10,000	1	0	4	0	2
	10,001 - 50,000	0	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>32</b>	<b>15</b>	<b>53</b>	<b>18</b>	<b>50</b>
Surface Water	≤ 500	3	0	10	0	10
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	1	0	7	0	4
	10,001 - 50,000	1	0	6	0	3
	> 50,000	1	0	5	0	5
	<b>SW Total</b>	<b>8</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>18</b>
<b>Total Ground &amp; Surface Water</b>		<b>39</b>	<b>21</b>	<b>60</b>	<b>24</b>	<b>57</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.25.d. Dichloromethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	39	19	61	22	58
	501 - 3,300	12	3	24	3	22
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	1	0	4	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>52</b>	<b>30</b>	<b>77</b>	<b>33</b>	<b>74</b>
Surface Water	≤ 500	4	0	15	0	15
	501 - 3,300	1	0	8	0	4
	3,301 - 10,000	3	0	11	0	7
	10,001 - 50,000	2	0	6	0	6
	> 50,000	2	0	5	0	5
	<b>SW Total</b>	<b>14</b>	<b>4</b>	<b>26</b>	<b>4</b>	<b>26</b>
<b>Total Ground &amp; Surface Water</b>		<b>64</b>	<b>39</b>	<b>97</b>	<b>42</b>	<b>88</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.25.e. Dichloromethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	161	115	215	125	205
	501 - 3,300	55	33	79	35	76
	3,301 - 10,000	11	4	19	4	19
	10,001 - 50,000	4	0	9	0	9
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>232</b>	<b>175</b>	<b>294</b>	<b>184</b>	<b>285</b>
Surface Water	≤ 500	14	0	30	5	25
	501 - 3,300	6	0	16	0	12
	3,301 - 10,000	13	4	25	4	25
	10,001 - 50,000	9	3	20	3	17
	> 50,000	7	2	12	2	10
	<b>SW Total</b>	<b>52</b>	<b>30</b>	<b>74</b>	<b>33</b>	<b>70</b>
<b>Total Ground &amp; Surface Water</b>		<b>279</b>	<b>217</b>	<b>344</b>	<b>227</b>	<b>332</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.25.f. Dichloromethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	626	516	743	535	724
	501 - 3,300	209	163	258	171	247
	3,301 - 10,000	43	27	59	29	57
	10,001 - 50,000	19	11	31	13	27
	> 50,000	1	0	2	0	2
	<b>GW Total</b>	<b>903</b>	<b>778</b>	<b>1,033</b>	<b>796</b>	<b>1,015</b>
Surface Water	≤ 500	40	20	69	20	64
	501 - 3,300	22	8	40	8	36
	3,301 - 10,000	45	25	68	29	64
	10,001 - 50,000	34	17	54	20	51
	> 50,000	16	10	22	10	22
	<b>SW Total</b>	<b>166</b>	<b>122</b>	<b>215</b>	<b>129</b>	<b>203</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,054</b>	<b>918</b>	<b>1,196</b>	<b>939</b>	<b>1,175</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.25.g. Dichloromethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,995	1,768	2,233	1,800	2,198
	501 - 3,300	643	552	736	565	723
	3,301 - 10,000	123	97	150	101	145
	10,001 - 50,000	61	47	76	49	76
	> 50,000	4	1	7	1	6
	<b>GW Total</b>	<b>2,835</b>	<b>2,583</b>	<b>3,100</b>	<b>2,622</b>	<b>3,052</b>
Surface Water	≤ 500	105	59	164	64	154
	501 - 3,300	71	36	113	40	105
	3,301 - 10,000	105	71	139	78	132
	10,001 - 50,000	92	62	119	68	116
	> 50,000	32	22	44	22	41
	<b>SW Total</b>	<b>421</b>	<b>348</b>	<b>499</b>	<b>355</b>	<b>488</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,227</b>	<b>2,957</b>	<b>3,506</b>	<b>2,997</b>	<b>3,471</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.25.h. Dichloromethane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L			Threshold = 0.002 mg/L		
Ground Water	≤ 500	0.0000712	<b>0.0141%</b>	0.00858% - 0.0332%	0.00858% - 0.0307%	<b>0.0447%</b>	0.0137% - 0.0926%	0.0161% - 0.0845%	<b>0.0727%</b>	0.0267% - 0.139%	0.0320% - 0.123%
	501 - 3,300	0.0000686	<b>0.00848%</b>	0.000% - 0.0516%	0.000% - 0.0412%	<b>0.0597%</b>	0.000% - 0.151%	0.000% - 0.134%	<b>0.101%</b>	0.0194% - 0.209%	0.0247% - 0.188%
	3,301 - 10,000	0.0000648	<b>0.00238%</b>	0.000% - 0.0603%	0.000% - 0.000%	<b>0.0282%</b>	0.000% - 0.157%	0.000% - 0.120%	<b>0.0579%</b>	0.000% - 0.212%	0.000% - 0.189%
	10,001 - 50,000	0.0000603	<b>0.000195%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0202%</b>	0.000% - 0.225%	0.000% - 0.225%	<b>0.0486%</b>	0.000% - 0.303%	0.000% - 0.225%
	> 50,000	0.0000312	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00473%</b>	0.000% - 0.000%	0.000% - 0.000%
Total	0.0000696	<b>0.00198%</b>	0.000357% - 0.0090%	0.000357% - 0.00698%	<b>0.0187%</b>	0.00186% - 0.0834%	0.00308% - 0.0692%	<b>0.0391%</b>	0.00707% - 0.110%	0.00852% - 0.102%	
Surface Water	≤ 500	0.0000867	<b>0.0228%</b>	0.000% - 0.264%	0.000% - 0.264%	<b>0.105%</b>	0.000% - 0.476%	0.000% - 0.382%	<b>0.177%</b>	0.000% - 0.952%	0.000% - 0.634%
	501 - 3,300	0.0000590	<b>0.00512%</b>	0.000% - 0.0826%	0.000% - 0.000%	<b>0.0388%</b>	0.000% - 0.207%	0.000% - 0.207%	<b>0.0750%</b>	0.000% - 0.413%	0.000% - 0.331%
	3,301 - 10,000	0.000109	<b>0.0133%</b>	0.000% - 0.378%	0.000% - 0.000%	<b>0.119%</b>	0.000% - 0.606%	0.000% - 0.501%	<b>0.240%</b>	0.000% - 0.937%	0.000% - 0.715%
	10,001 - 50,000	0.000105	<b>0.00384%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.119%</b>	0.000% - 0.648%	0.000% - 0.423%	<b>0.228%</b>	0.000% - 0.897%	0.000% - 0.648%
	> 50,000	0.0000971	<b>0.254%</b>	0.000% - 0.539%	0.000% - 0.000%	<b>3.14%</b>	0.000% - 10.7%	0.000% - 10.7%	<b>5.27%</b>	0.000% - 10.7%	0.000% - 10.7%
Total	0.0000884	<b>0.213%</b>	0.000% - 0.449%	0.000% - 0.0108%	<b>2.64%</b>	0.000% - 8.97%	0.000% - 8.95%	<b>4.43%</b>	0.000% - 9.08%	0.00676% - 9.00%	
All Systems - Combined Ground & Surface Water		0.0000709	<b>0.119%</b>	0.000159% - 0.250%	0.000159% - 0.00872%	<b>1.47%</b>	0.00228% - 4.98%	0.00337% - 4.97%	<b>2.47%</b>	0.0109% - 5.05%	0.0172% - 5.02%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L			Threshold = 0.00025 mg/L		
Ground Water	≤ 500	0.0000712	<b>0.347%</b>	0.231% - 0.508%	0.248% - 0.483%	<b>1.45%</b>	1.17% - 1.76%	1.21% - 1.73%	<b>4.76%</b>	4.15% - 5.37%	4.26% - 5.30%
	501 - 3,300	0.0000686	<b>0.443%</b>	0.240% - 0.678%	0.270% - 0.635%	<b>1.67%</b>	1.29% - 2.08%	1.35% - 2.02%	<b>5.15%</b>	4.35% - 5.96%	4.45% - 5.78%
	3,301 - 10,000	0.0000648	<b>0.468%</b>	0.151% - 0.822%	0.174% - 0.788%	<b>1.81%</b>	1.16% - 2.46%	1.27% - 2.39%	<b>5.11%</b>	3.99% - 6.18%	4.19% - 6.05%
	10,001 - 50,000	0.0000603	<b>0.370%</b>	0.000% - 0.789%	0.000% - 0.689%	<b>1.48%</b>	0.785% - 2.34%	0.906% - 2.22%	<b>4.77%</b>	3.57% - 6.18%	3.71% - 5.97%
	> 50,000	0.0000312	<b>0.0378%</b>	0.000% - 0.255%	0.000% - 0.000%	<b>0.304%</b>	0.000% - 2.36%	0.000% - 1.21%	<b>1.68%</b>	0.326% - 4.60%	0.463% - 3.92%
Total	0.0000696	<b>0.254%</b>	0.119% - 0.452%	0.139% - 0.356%	<b>1.06%</b>	0.731% - 1.92%	0.765% - 1.50%	<b>3.59%</b>	2.83% - 4.84%	2.96% - 4.51%	
Surface Water	≤ 500	0.0000867	<b>0.650%</b>	0.000% - 1.99%	0.079% - 1.57%	<b>2.30%</b>	0.670% - 4.80%	0.853% - 4.25%	<b>6.59%</b>	3.20% - 10.8%	3.72% - 10.11%
	501 - 3,300	0.0000590	<b>0.353%</b>	0.000% - 0.978%	0.000% - 0.868%	<b>1.39%</b>	0.344% - 2.86%	0.450% - 2.53%	<b>4.37%</b>	2.24% - 6.90%	2.48% - 6.55%
	3,301 - 10,000	0.000109	<b>1.29%</b>	0.228% - 2.66%	0.299% - 2.47%	<b>4.53%</b>	2.63% - 6.91%	2.86% - 6.40%	<b>10.6%</b>	7.35% - 14.4%	7.84% - 13.6%
	10,001 - 50,000	0.000105	<b>0.928%</b>	0.248% - 2.10%	0.248% - 1.91%	<b>3.59%</b>	1.77% - 5.86%	1.95% - 5.40%	<b>9.75%</b>	6.57% - 13.4%	7.18% - 12.6%
	> 50,000	0.0000971	<b>9.94%</b>	0.224% - 11.6%	0.377% - 11.5%	<b>12.6%</b>	11.3% - 14.2%	11.3% - 13.9%	<b>15.1%</b>	13.4% - 17.7%	13.6% - 16.9%
Total	0.0000884	<b>8.45%</b>	0.341% - 9.89%	0.472% - 9.76%	<b>11.1%</b>	9.89% - 12.4%	10.0% - 12.2%	<b>14.1%</b>	12.7% - 16.2%	12.9% - 15.7%	
All Systems - Combined Ground & Surface Water		0.0000709	<b>4.80%</b>	0.290% - 5.62%	0.364% - 5.57%	<b>6.61%</b>	5.94% - 7.41%	6.00% - 7.3%	<b>9.44%</b>	8.50% - 10.7%	8.69% - 10.4%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.25.i. Dichloromethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	900	600	2,200	600	2,000
	501 - 3,300	1,300	0	8,000	0	6,400
	3,301 - 10,000	0	0	8,300	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	1,700	300	7,700	300	6,000
Surface Water	≤ 500	100	0	800	0	800
	501 - 3,300	0	0	2,300	0	0
	3,301 - 10,000	0	0	23,000	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	244,700	0	518,600	0	0
	<b>SW Total</b>	271,200	0	572,200	0	13,800
<b>Total Ground &amp; Surface Water</b>		253,500	300	532,300	300	18,600

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.25.j. Dichloromethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,900	900	6,000	1,000	5,500
	501 - 3,300	9,300	0	23,500	0	20,800
	3,301 - 10,000	3,900	0	21,600	0	16,500
	10,001 - 50,000	0	0	54,900	0	54,900
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>16,000</b>	<b>1,600</b>	<b>71,500</b>	<b>2,600</b>	<b>59,300</b>
Surface Water	≤ 500	300	0	1,400	0	1,100
	501 - 3,300	1,100	0	5,800	0	5,800
	3,301 - 10,000	7,200	0	36,900	0	30,500
	10,001 - 50,000	25,900	0	141,700	0	92,300
	> 50,000	3,022,200	0	10,330,700	0	10,330,700
	<b>SW Total</b>	<b>3,357,600</b>	<b>0</b>	<b>11,425,000</b>	<b>0</b>	<b>11,399,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,133,400</b>	<b>4,900</b>	<b>10,614,200</b>	<b>7,200</b>	<b>10,586,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.25.k. Dichloromethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	4,700	1,700	9,000	2,100	8,000
	501 - 3,300	15,700	3,000	32,500	3,800	29,200
	3,301 - 10,000	8,000	0	29,100	0	26,100
	10,001 - 50,000	11,900	0	74,100	0	54,900
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>33,500</b>	<b>6,100</b>	<b>94,500</b>	<b>7,300</b>	<b>87,500</b>
Surface Water	≤ 500	500	0	2,800	0	1,900
	501 - 3,300	2,100	0	11,600	0	9,300
	3,301 - 10,000	14,600	0	57,000	0	43,500
	10,001 - 50,000	49,800	0	195,900	0	141,700
	> 50,000	5,070,000	0	10,340,300	0	10,330,700
	<b>SW Total</b>	<b>5,638,000</b>	<b>100</b>	<b>11,562,500</b>	<b>8,600</b>	<b>11,464,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>5,267,700</b>	<b>23,100</b>	<b>10,748,400</b>	<b>36,500</b>	<b>10,697,300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.25.1. Dichloromethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	22,500	15,000	33,000	16,100	31,400
	501 - 3,300	68,800	37,300	105,200	42,000	98,600
	3,301 - 10,000	64,400	20,800	113,200	24,000	108,400
	10,001 - 50,000	90,500	0	192,700	0	168,300
	> 50,000	0	0	65,000	0	0
	<b>GW Total</b>	<b>217,600</b>	<b>101,900</b>	<b>386,900</b>	<b>119,000</b>	<b>305,100</b>
Surface Water	≤ 500	1,900	0	5,800	200	4,600
	501 - 3,300	10,000	0	27,600	0	24,500
	3,301 - 10,000	78,700	13,900	161,800	18,200	150,000
	10,001 - 50,000	202,900	54,300	459,800	54,300	416,300
	> 50,000	9,570,100	215,400	11,206,800	363,000	11,110,600
	<b>SW Total</b>	<b>10,756,500</b>	<b>433,700</b>	<b>12,591,300</b>	<b>600,700</b>	<b>12,423,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>10,220,100</b>	<b>616,900</b>	<b>11,960,400</b>	<b>776,200</b>	<b>11,858,200</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.25.m. Dichloromethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	94,400	75,900	114,300	78,300	112,100
	501 - 3,300	259,600	199,700	322,800	210,100	314,000
	3,301 - 10,000	249,700	159,600	338,500	175,200	329,200
	10,001 - 50,000	360,500	191,800	572,900	221,300	542,100
	> 50,000	77,300	0	601,200	0	306,600
	<b>GW Total</b>	<b>908,200</b>	<b>626,000</b>	<b>1,645,900</b>	<b>655,600</b>	<b>1,288,700</b>
Surface Water	≤ 500	6,700	2,000	14,000	2,500	12,400
	501 - 3,300	39,100	9,700	80,500	12,700	71,300
	3,301 - 10,000	275,800	160,200	420,300	174,100	389,600
	10,001 - 50,000	785,400	385,900	1,280,500	426,600	1,180,900
	> 50,000	12,083,000	10,850,600	13,633,100	10,850,600	13,334,600
	<b>SW Total</b>	<b>14,082,300</b>	<b>12,597,700</b>	<b>15,763,000</b>	<b>12,758,100</b>	<b>15,546,600</b>
<b>Total Ground &amp; Surface Water</b>		<b>14,071,300</b>	<b>12,659,100</b>	<b>15,777,500</b>	<b>12,780,500</b>	<b>15,498,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.25.n. Dichloromethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	309,200	269,400	349,100	276,800	344,100
	501 - 3,300	799,100	675,000	925,000	690,500	897,700
	3,301 - 10,000	703,100	549,200	851,000	577,100	832,700
	10,001 - 50,000	1,165,200	871,400	1,510,000	906,100	1,458,900
	> 50,000	427,700	83,000	1,170,100	117,900	996,300
	<b>GW Total</b>	<b>3,071,700</b>	<b>2,420,500</b>	<b>4,147,000</b>	<b>2,531,900</b>	<b>3,864,200</b>
Surface Water	≤ 500	19,300	9,400	31,600	10,900	29,600
	501 - 3,300	123,200	63,100	194,400	70,000	184,600
	3,301 - 10,000	643,100	447,100	874,900	476,800	826,300
	10,001 - 50,000	2,130,600	1,435,700	2,928,200	1,569,000	2,749,000
	> 50,000	14,499,600	12,911,000	17,022,100	13,113,200	16,290,400
	<b>SW Total</b>	<b>18,004,000</b>	<b>16,132,300</b>	<b>20,677,800</b>	<b>16,374,200</b>	<b>20,028,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>20,103,700</b>	<b>18,099,300</b>	<b>22,685,400</b>	<b>18,506,200</b>	<b>22,238,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.26.a. 1,2-Dichloropropane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0005 mg/L			Threshold = 0.0004 mg/L		
Ground Water	≤ 500	0.00000978	<b>0.00366%</b>	0.000% - 0.0144%	0.000% - 0.00720%	<b>0.0331%</b>	0.0144% - 0.0576%	0.0216% - 0.0504%	<b>0.0432%</b>	0.0216% - 0.0648%	0.0288% - 0.0648%
	501 - 3,300	0.00000922	<b>0.000441%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0461%</b>	0.0221% - 0.0882%	0.0221% - 0.0662%	<b>0.0545%</b>	0.0221% - 0.0882%	0.0221% - 0.0882%
	3,301 - 10,000	0.0000100	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0231%</b>	0.000% - 0.0867%	0.000% - 0.0867%	<b>0.0447%</b>	0.000% - 0.173%	0.000% - 0.173%
	10,001 - 50,000	0.0000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0182%</b>	0.000% - 0.151%	0.000% - 0.151%	<b>0.0986%</b>	0.000% - 0.303%	0.000% - 0.151%
	> 50,000	0.00000765	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000968	<b>0.00250%</b>	0.000% - 0.00980%	0.000% - 0.00490%	<b>0.0347%</b>	0.0196% - 0.0539%	0.0196% - 0.0490%	<b>0.0472%</b>	0.0245% - 0.0686%	0.0294% - 0.0637%
Surface Water	≤ 500	0.00000612	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00180%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000945	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0661%</b>	0.000% - 0.223%	0.000% - 0.223%	<b>0.0991%</b>	0.000% - 0.223%	0.000% - 0.223%
	3,301 - 10,000	0.0000129	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00405%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00473%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000950	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00299%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00776%</b>	0.000% - 0.299%	0.000% - 0.000%
	> 50,000	0.0000406	<b>0.169%</b>	0.000% - 0.606%	0.000% - 0.606%	<b>0.607%</b>	0.606% - 0.606%	0.606% - 0.606%	<b>0.609%</b>	0.606% - 0.606%	0.606% - 0.606%
	Total	0.0000127	<b>0.0176%</b>	0.000% - 0.0634%	0.000% - 0.0634%	<b>0.0837%</b>	0.0634% - 0.127%	0.0634% - 0.127%	<b>0.0947%</b>	0.0634% - 0.190%	0.0634% - 0.127%
All Systems - Combined Ground & Surface Water		0.00000989	<b>0.00358%</b>	0.000% - 0.00910%	0.000% - 0.00910%	<b>0.0382%</b>	0.0227% - 0.0546%	0.0227% - 0.0546%	<b>0.0506%</b>	0.0318% - 0.0728%	0.0364% - 0.0682%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.26.b. 1,2-Dichloropropane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2	0	6	0	3
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	1	0	2	0	2
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>6</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.26.c. 1,2-Dichloropropane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	14	6	25	9	22
	501 - 3,300	6	3	11	3	8
	3,301 - 10,000	1	0	2	0	2
	10,001 - 50,000	0	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>21</b>	<b>12</b>	<b>32</b>	<b>12</b>	<b>29</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	2	2	2	2	2
	<b>SW Total</b>	<b>5</b>	<b>4</b>	<b>7</b>	<b>4</b>	<b>7</b>
<b>Total Ground &amp; Surface Water</b>		<b>25</b>	<b>15</b>	<b>35</b>	<b>15</b>	<b>35</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.26.d. 1,2-Dichloropropane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	19	9	28	13	28
	501 - 3,300	7	3	11	3	11
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	1	0	4	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	28	15	41	17	38
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	2	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	3	0	0
	> 50,000	2	2	2	2	2
	<b>SW Total</b>	5	4	11	4	7
<b>Total Ground &amp; Surface Water</b>		33	21	47	24	44

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.26.e. 1,2-Dichloropropane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0005 mg/L			Threshold = 0.0004 mg/L		
Ground Water	≤ 500	0.00000978	<b>0.000678%</b>	0.000% - 0.00322%	0.000% - 0.00202%	<b>0.0226%</b>	0.00322% - 0.0533%	0.00490% - 0.0485%	<b>0.0340%</b>	0.00490% - 0.0742%	0.00779% - 0.0650%
	501 - 3,300	0.00000922	<b>0.000938%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0559%</b>	0.0147% - 0.114%	0.0147% - 0.0880%	<b>0.0657%</b>	0.0147% - 0.123%	0.0147% - 0.114%
	3,301 - 10,000	0.00000998	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0276%</b>	0.000% - 0.128%	0.000% - 0.128%	<b>0.0531%</b>	0.000% - 0.226%	0.000% - 0.161%
	10,001 - 50,000	0.0000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0180%</b>	0.000% - 0.147%	0.000% - 0.147%	<b>0.0964%</b>	0.000% - 0.297%	0.000% - 0.150%
	> 50,000	0.00000765	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000968	<b>0.000401%</b>	0.000% - 0.00136%	0.000% - 0.000853%	<b>0.0167%</b>	0.00205% - 0.0649%	0.00235% - 0.0573%	<b>0.0446%</b>	0.00466% - 0.0962%	0.00805% - 0.0824%
Surface Water	≤ 500	0.00000612	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000644%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000945	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0352%</b>	0.000% - 0.119%	0.000% - 0.119%	<b>0.0533%</b>	0.000% - 0.119%	0.000% - 0.119%
	3,301 - 10,000	0.0000129	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00505%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00582%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000950	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00185%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00523%</b>	0.000% - 0.141%	0.000% - 0.000%
	> 50,000	0.0000406	<b>0.0778%</b>	0.000% - 0.280%	0.000% - 0.280%	<b>0.281%</b>	0.280% - 0.280%	0.280% - 0.280%	<b>0.281%</b>	0.280% - 0.280%	0.280% - 0.280%
	Total	0.0000127	<b>0.0645%</b>	0.000% - 0.232%	0.000% - 0.232%	<b>0.234%</b>	0.232% - 0.235%	0.232% - 0.234%	<b>0.235%</b>	0.232% - 0.250%	0.232% - 0.235%
All Systems - Combined Ground & Surface Water		0.00000989	<b>0.0358%</b>	0.000% - 0.129%	0.000% - 0.129%	<b>0.137%</b>	0.130% - 0.158%	0.130% - 0.155%	<b>0.150%</b>	0.131% - 0.179%	0.132% - 0.167%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.26.f. 1,2-Dichloropropane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	<100	0	200	0	100
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<100	0	100	0	<100
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	74,900	0	269,300	0	269,300
	<b>SW Total</b>	82,100	0	295,500	0	295,500
<b>Total Ground &amp; Surface Water</b>		76,200	0	273,900	0	273,900

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.26.g. 1,2-Dichloropropane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,500	200	3,500	300	3,200
	501 - 3,300	8,700	2,300	17,700	2,300	13,700
	3,301 - 10,000	3,800	0	17,700	0	17,700
	10,001 - 50,000	0	0	35,900	0	35,900
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	14,300	1,800	55,600	2,000	49,100
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	1,000	0	3,300	0	3,300
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	270,500	269,300	269,300	269,300	269,300
	<b>SW Total</b>	297,900	295,500	298,600	295,500	297,400
<b>Total Ground &amp; Surface Water</b>		292,000	275,800	337,000	276,500	330,000

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.26.h. 1,2-Dichloropropane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,200	300	4,800	500	4,200
	501 - 3,300	10,200	2,300	19,100	2,300	17,700
	3,301 - 10,000	7,300	0	31,200	0	22,200
	10,001 - 50,000	23,600	0	72,600	0	36,700
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>38,200</b>	<b>4,000</b>	<b>82,400</b>	<b>6,900</b>	<b>70,600</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	1,500	0	3,300	0	3,300
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	30,900	0	0
	> 50,000	270,700	269,300	269,300	269,300	269,300
	<b>SW Total</b>	<b>299,000</b>	<b>295,500</b>	<b>318,300</b>	<b>295,500</b>	<b>299,100</b>
<b>Total Ground &amp; Surface Water</b>		<b>319,500</b>	<b>279,700</b>	<b>380,600</b>	<b>281,600</b>	<b>354,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.27.a. Dinoseb - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.007 mg/L			Threshold = 0.0035 mg/L		
Ground Water	≤ 500	0.00000977	<b>0.00418%</b>	0.000% - 0.0111%	0.000% - 0.0111%	<b>0.00989%</b>	0.000% - 0.0111%	0.000% - 0.0111%
	501 - 3,300	0.00000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000271%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000329	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000251%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000726	<b>0.145%</b>	0.000% - 0.197%	0.000% - 0.197%	<b>0.197%</b>	0.000% - 0.394%	0.000% - 0.394%
	> 50,000	0.0000144	<b>0.0100%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0229%</b>	0.000% - 0.714%	0.000% - 0.000%
	Total	0.00000415	<b>0.00839%</b>	0.000% - 0.0149%	0.000% - 0.0149%	<b>0.0144%</b>	0.00744% - 0.0223%	0.00744% - 0.0223%
<hr/>								
Surface Water	≤ 500	0.00000762	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000223	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000350	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000691	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000895	<b>0.00138%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00414%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000404	<b>0.000149%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000447%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.00000414	<b>0.00765%</b>	0.000% - 0.0135%	0.000% - 0.0135%	<b>0.0132%</b>	0.00677% - 0.0203%	0.00677% - 0.0203%
<hr/>								
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.00175 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.00000977	<b>0.0113%</b>	0.0111% - 0.0111%	0.0111% - 0.0111%	<b>0.0120%</b>	0.0111% - 0.0221%	0.0111% - 0.0221%
	501 - 3,300	0.00000183	<b>0.00129%</b>	0.000% - 0.0339%	0.000% - 0.000%	<b>0.00522%</b>	0.000% - 0.0339%	0.000% - 0.0339%
	3,301 - 10,000	0.00000329	<b>0.00125%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00627%</b>	0.000% - 0.125%	0.000% - 0.000%
	10,001 - 50,000	0.0000726	<b>0.249%</b>	0.000% - 0.591%	0.197% - 0.591%	<b>0.308%</b>	0.197% - 0.787%	0.197% - 0.591%
	> 50,000	0.0000144	<b>0.0600%</b>	0.000% - 0.714%	0.0000% - 0.714%	<b>0.110%</b>	0.000% - 0.714%	0.000% - 0.714%
	Total	0.00000415	<b>0.0180%</b>	0.0149% - 0.0298%	0.0149% - 0.0298%	<b>0.0224%</b>	0.0149% - 0.0447%	0.0149% - 0.0372%
<hr/>								
Surface Water	≤ 500	0.00000762	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000223	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00104%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000350	<b>0.000775%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00310%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000691	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00886%</b>	0.000% - 0.317%	0.000% - 0.000%
	> 50,000	0.00000895	<b>0.0152%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0441%</b>	0.000% - 0.690%	0.000% - 0.690%
	Total	0.00000404	<b>0.00179%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00776%</b>	0.000% - 0.0746%	0.000% - 0.0746%
<hr/>								
All Systems - Combined Ground & Surface Water		0.00000414	<b>0.0165%</b>	0.0135% - 0.0338%	0.0135% - 0.0271%	<b>0.0210%</b>	0.0135% - 0.0406%	0.0135% - 0.0338%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.27.b. Dinoseb - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2	0	5	0	5
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>5</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>5</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.27.c. Dinoseb - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0035 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	4	0	5	0	5
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	0	5	0	5
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>9</b>	<b>4</b>	<b>13</b>	<b>4</b>	<b>13</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>9</b>	<b>4</b>	<b>13</b>	<b>4</b>	<b>13</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.27.d. Dinoseb - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00175 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5	5	5	5	5
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	3	0	7	2	7
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>11</b>	<b>9</b>	<b>18</b>	<b>9</b>	<b>18</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	1	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>11</b>	<b>9</b>	<b>22</b>	<b>9</b>	<b>18</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.27.e. Dinoseb - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5	5	10	5	10
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	3	0	0
	10,001 - 50,000	4	2	9	2	7
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>13</b>	<b>9</b>	<b>27</b>	<b>9</b>	<b>22</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	3	0	0
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>14</b>	<b>9</b>	<b>26</b>	<b>9</b>	<b>22</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.27.f. Dinoseb - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.007 mg/L			Threshold = 0.0035 mg/L		
Ground Water	≤ 500	0.00000977	<b>0.00392%</b>	0.000% - 0.0104%	0.000% - 0.0104%	<b>0.00927%</b>	0.000% - 0.0104%	0.000% - 0.0104%	
	501 - 3,300	0.00000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000189%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.00000329	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000359%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000726	<b>0.104%</b>	0.000% - 0.345%	0.000% - 0.132%	<b>0.153%</b>	0.000% - 0.567%	0.000% - 0.375%	
	> 50,000	0.0000144	<b>0.00758%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0168%</b>	0.000% - 0.542%	0.000% - 0.000%	
	Total	0.00000415	<b>0.0332%</b>	0.000% - 0.124%	0.000% - 0.0684%	<b>0.0515%</b>	0.000370% - 0.279%	0.000370% - 0.162%	
Surface Water	≤ 500	0.00000762	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.00000223	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.00000350	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.00000691	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.00000895	<b>0.000595%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00190%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.00000404	<b>0.000493%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00157%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.00000414	<b>0.0141%</b>	0.000% - 0.0514%	0.000% - 0.0288%	<b>0.0223%</b>	0.000153% - 0.120%	0.000153% - 0.0703%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.00175 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.00000977	<b>0.0106%</b>	0.0104% - 0.0104%	0.0104% - 0.0104%	<b>0.0112%</b>	0.0104% - 0.0236%	0.0104% - 0.0211%	
	501 - 3,300	0.00000183	<b>0.00145%</b>	0.000% - 0.0181%	0.000% - 0.000%	<b>0.00518%</b>	0.000% - 0.0629%	0.000% - 0.0416%	
	3,301 - 10,000	0.00000329	<b>0.00118%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00622%</b>	0.000% - 0.108%	0.000% - 0.000%	
	10,001 - 50,000	0.0000726	<b>0.208%</b>	0.000% - 0.810%	0.132% - 0.567%	<b>0.266%</b>	0.132% - 0.980%	0.132% - 0.810%	
	> 50,000	0.0000144	<b>0.0409%</b>	0.000% - 0.542%	0.0000% - 0.303%	<b>0.0695%</b>	0.000% - 0.750%	0.000% - 0.542%	
	Total	0.00000415	<b>0.0787%</b>	0.0378% - 0.341%	0.0378% - 0.289%	<b>0.109%</b>	0.0378% - 0.426%	0.0378% - 0.364%	
Surface Water	≤ 500	0.00000762	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.00000223	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000626%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.00000350	<b>0.00116%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00344%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.00000691	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00868%</b>	0.000% - 0.186%	0.000% - 0.000%	
	> 50,000	0.00000895	<b>0.0734%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.529%</b>	0.000% - 16.2%	0.000% - 0.298%	
	Total	0.00000404	<b>0.0608%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.440%</b>	0.000% - 13.4%	0.000% - 0.247%	
All Systems - Combined Ground & Surface Water		0.00000414	<b>0.0682%</b>	0.0157% - 0.162%	0.0157% - 0.125%	<b>0.303%</b>	0.0157% - 7.85%	0.0157% - 0.241%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.27.g. Dinoseb - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	300	0	700	0	700
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	25,400	0	84,300	0	32,200
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>28,400</b>	<b>0</b>	<b>105,900</b>	<b>0</b>	<b>58,600</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>29,900</b>	<b>0</b>	<b>109,500</b>	<b>0</b>	<b>61,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.27.h. Dinoseb - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0035 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	600	0	700	0	700
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	37,300	0	138,600	0	91,700
	> 50,000	0	0	137,800	0	0
	<b>GW Total</b>	<b>44,100</b>	<b>300</b>	<b>238,800</b>	<b>300</b>	<b>138,400</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>47,500</b>	<b>300</b>	<b>255,000</b>	<b>300</b>	<b>149,700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.27.i. Dinoseb - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00175 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	700	700	700	700	700
	501 - 3,300	0	0	2,800	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	50,800	0	198,100	32,200	138,600
	> 50,000	0	0	137,800	0	77,000
	<b>GW Total</b>	<b>67,400</b>	<b>32,400</b>	<b>291,900</b>	<b>32,400</b>	<b>247,400</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	70,600	0	0	0	0
	<b>SW Total</b>	<b>77,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>145,300</b>	<b>33,400</b>	<b>345,300</b>	<b>33,400</b>	<b>266,700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.27.j. Dinoseb - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	700	700	1,500	700	1,400
	501 - 3,300	800	0	9,800	0	6,500
	3,301 - 10,000	0	0	14,800	0	0
	10,001 - 50,000	65,000	32,200	239,500	32,200	198,100
	> 50,000	0	0	190,700	0	137,800
	<b>GW Total</b>	<b>93,700</b>	<b>32,400</b>	<b>364,600</b>	<b>32,400</b>	<b>312,000</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	40,700	0	0
	> 50,000	509,500	0	15,558,600	0	286,500
	<b>SW Total</b>	<b>559,900</b>	<b>0</b>	<b>17,049,000</b>	<b>0</b>	<b>313,900</b>
<b>Total Ground &amp; Surface Water</b>		<b>644,800</b>	<b>33,400</b>	<b>16,727,500</b>	<b>33,400</b>	<b>512,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.28.a. Diquat - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.02 mg/L			Threshold = 0.004 mg/L			Threshold = 0.002 mg/L		
Ground Water	≤ 500	0.0000350	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000304%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00666%</b>	0.000% - 0.0380%	0.000% - 0.0380%
	501 - 3,300	0.0000577	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00265%</b>	0.000% - 0.0509%	0.000% - 0.000%	<b>0.0495%</b>	0.000% - 0.153%	0.000% - 0.153%
	3,301 - 10,000	0.0000667	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00106%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0251%</b>	0.000% - 0.177%	0.000% - 0.177%
	10,001 - 50,000	0.0000790	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00239%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0329%</b>	0.000% - 0.239%	0.000% - 0.239%
	> 50,000	0.000111	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0785%</b>	0.000% - 0.769%	0.000% - 0.769%
	Total	0.0000459	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00101%</b>	0.000% - 0.0120%	0.000% - 0.0120%	<b>0.0204%</b>	0.000% - 0.0600%	0.000% - 0.0480%
Surface Water	≤ 500	0.0000234	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00472%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000556	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000905%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0172%</b>	0.000% - 0.453%	0.000% - 0.000%
	3,301 - 10,000	0.0000458	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00122%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00976%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000712	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0369%</b>	0.000% - 0.461%	0.000% - 0.461%
	> 50,000	0.0000668	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00215%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000540	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000487%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0173%</b>	0.000% - 0.122%	0.000% - 0.122%
All Systems - Combined Ground & Surface Water		0.0000466	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000961%</b>	0.000% - 0.0109%	0.000% - 0.0109%	<b>0.0202%</b>	0.000% - 0.0546%	0.000% - 0.0437%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.28.b. Diquat - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.02 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.28.c. Diquat - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	1	0	6	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	1	0	7	0	7
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		1	0	7	0	7

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.28.d. Diquat - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3	0	17	0	17
	501 - 3,300	6	0	19	0	19
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	1	0	3	0	3
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	12	0	36	0	29
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	1	0	8	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	1	0	4	0	4
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	7	0	7
<b>Total Ground &amp; Surface Water</b>		13	0	35	0	28

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.28.e. Diquat - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.02 mg/L			Threshold = 0.004 mg/L			Threshold = 0.002 mg/L		
Ground Water	≤ 500	0.0000350	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000279%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00718%</b>	0.000% - 0.0594%	0.000% - 0.0475%
	501 - 3,300	0.0000577	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00252%</b>	0.000% - 0.0385%	0.000% - 0.000%	<b>0.0534%</b>	0.000% - 0.208%	0.000% - 0.174%
	3,301 - 10,000	0.0000667	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00108%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0224%</b>	0.000% - 0.214%	0.000% - 0.167%
	10,001 - 50,000	0.0000790	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00239%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0309%</b>	0.000% - 0.364%	0.000% - 0.238%
	> 50,000	0.000111	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0589%</b>	0.000% - 0.803%	0.000% - 0.492%
	Total	0.0000459	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00101%</b>	0.000% - 0.00621%	0.000% - 0.00280%	<b>0.0453%</b>	0.000% - 0.404%	0.000% - 0.247%
Surface Water	≤ 500	0.0000234	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00470%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000556	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00101%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0237%</b>	0.000% - 0.553%	0.000% - 0.000%
	3,301 - 10,000	0.0000458	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00170%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0100%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000712	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0240%</b>	0.000% - 0.233%	0.000% - 0.233%
	> 50,000	0.0000668	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000313%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000540	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000503%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00356%</b>	0.000% - 0.0275%	0.000% - 0.0275%
All Systems - Combined Ground & Surface Water		0.0000466	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000470%</b>	0.000% - 0.00295%	0.000% - 0.00136%	<b>0.0218%</b>	0.000% - 0.177%	0.000% - 0.109%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.28.f. Diquat - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.02 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.28.g. Diquat - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	500	0	6,000	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	900	0	5,300	0	2,400
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<100	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		1,000	0	6,300	0	2,900

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.28.h. Diquat - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	500	0	3,900	0	3,100
	501 - 3,300	8,300	0	32,300	0	27,000
	3,301 - 10,000	3,300	0	29,400	0	22,900
	10,001 - 50,000	10,000	0	89,000	0	58,200
	> 50,000	0	0	204,300	0	125,200
	<b>GW Total</b>	<b>38,800</b>	<b>0</b>	<b>346,000</b>	<b>0</b>	<b>212,000</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	700	0	15,600	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	10,000	0	50,900	0	50,900
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>4,500</b>	<b>0</b>	<b>35,100</b>	<b>0</b>	<b>35,100</b>
<b>Total Ground &amp; Surface Water</b>		<b>46,500</b>	<b>0</b>	<b>376,200</b>	<b>0</b>	<b>232,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.29.a. Endothall - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.1 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.0000475	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000619	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000485	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000704	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000520	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000355	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000274	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000357	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00186%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000153	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000135	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000507%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000596	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000464%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.025 mg/L			Threshold = 0.009 mg/L		
Ground Water	≤ 500	0.0000475	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000412%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000619	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000105%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000485	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000704	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000520	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000511%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000355	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000274	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000357	<b>0.00744%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.162%</b>	0.000% - 0.930%	0.000% - 0.465%
	> 50,000	0.000153	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00460%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000135	<b>0.00203%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0446%</b>	0.000% - 0.254%	0.000% - 0.127%
All Systems - Combined Ground & Surface Water		0.0000596	<b>0.000186%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00413%</b>	0.000% - 0.0232%	0.000% - 0.0116%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.29.b. Endothall - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.29.c. Endothall - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.29.d. Endothall - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.29.e. Endothall - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.009 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	0	9	0	4
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>2</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>7</b>
<b>Total Ground &amp; Surface Water</b>		<b>3</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>8</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.29.f. Endothall - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.1 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.0000475	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000619	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000485	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000704	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000520	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Surface Water	≤ 500	0.0000355	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000274	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000357	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00141%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000153	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000135	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000175%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000596	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000982%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.025 mg/L			Threshold = 0.009 mg/L		
Ground Water	≤ 500	0.0000475	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000168%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000619	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000218%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000485	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000704	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000520	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000184%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Surface Water	≤ 500	0.0000355	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000274	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000357	<b>0.00546%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.120%</b>	0.000% - 0.607%	0.000% - 0.354%
	> 50,000	0.000153	<b>0.0000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00124%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000135	<b>0.000675%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0159%</b>	0.000% - 0.0751%	0.000% - 0.0438%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000596	<b>0.000379%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00894%</b>	0.000% - 0.0421%	0.000% - 0.0245%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.29.g. Endothall - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.29.h. Endothall - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.29.i. Endothall - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.29.j. Endothall - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.009 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	26,300	0	132,700	0	77,300
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>20,300</b>	<b>0</b>	<b>95,700</b>	<b>0</b>	<b>55,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>19,000</b>	<b>0</b>	<b>89,800</b>	<b>0</b>	<b>52,300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.30.a. Endrin - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.000000193	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000313	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000255	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000257	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.000000349	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000402	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000659	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000390	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000000237	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.0005 mg/L			Threshold = 0.00001 mg/L		
Ground Water	≤ 500	0.000000193	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000263%</b>	0.000% - 0.0101%	0.000% - 0.000%
	501 - 3,300	0.000000313	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0192%</b>	0.000% - 0.0611%	0.000% - 0.0306%
	3,301 - 10,000	0.000000255	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0105%</b>	0.000% - 0.114%	0.000% - 0.114%
	10,001 - 50,000	0.000000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000257	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0240%</b>	0.000% - 0.667%	0.000% - 0.000%
	Total	0.000000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00531%</b>	0.000% - 0.0136%	0.000% - 0.0136%
Surface Water	≤ 500	0.000000349	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0230%</b>	0.000% - 0.338%	0.000% - 0.338%
	501 - 3,300	0.000000402	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00794%</b>	0.000% - 0.234%	0.000% - 0.000%
	3,301 - 10,000	0.000000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0156%</b>	0.000% - 0.355%	0.000% - 0.000%
	10,001 - 50,000	0.000000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000610%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000659	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.508%</b>	0.000% - 1.28%	0.000% - 1.28%
	Total	0.000000390	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0631%</b>	0.000% - 0.201%	0.000% - 0.134%
All Systems - Combined Ground & Surface Water		0.000000237	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0106%</b>	0.000% - 0.0247%	0.000% - 0.0247%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.30.b. Endrin - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.30.c. Endrin - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.30.d. Endrin - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.30.e. Endrin - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	4	0	0
	501 - 3,300	2	0	7	0	4
	3,301 - 10,000	0	0	3	0	3
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>8</b>
Surface Water	≤ 500	1	0	5	0	5
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	0	0	4	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	2	0	5	0	5
	<b>SW Total</b>	<b>4</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>8</b>
<b>Total Ground &amp; Surface Water</b>		<b>7</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>16</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.30.f. Endrin - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.000000193	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000313	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000255	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000257	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.000000349	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000402	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000659	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000390	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000000237	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
			Threshold = 0.0005 mg/L			Threshold = 0.0001 mg/L		
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
Ground Water	≤ 500	0.000000193	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000207%</b>	0.000% - 0.00311%	0.000% - 0.000%
	501 - 3,300	0.000000313	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0161%</b>	0.000% - 0.0535%	0.000% - 0.0288%
	3,301 - 10,000	0.000000255	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00879%</b>	0.000% - 0.0940%	0.000% - 0.0940%
	10,001 - 50,000	0.000000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000257	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0267%</b>	0.000% - 0.742%	0.000% - 0.000%
	Total	0.000000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0149%</b>	0.000% - 0.341%	0.000% - 0.0140%
Surface Water	≤ 500	0.000000349	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0288%</b>	0.000% - 0.600%	0.000% - 0.143%
	501 - 3,300	0.000000402	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00882%</b>	0.000% - 0.186%	0.000% - 0.000%
	3,301 - 10,000	0.000000421	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0142%</b>	0.000% - 0.275%	0.000% - 0.000%
	10,001 - 50,000	0.000000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000856%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000659	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.127%</b>	0.000% - 0.327%	0.000% - 0.327%
	Total	0.000000390	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.105%</b>	0.000% - 0.280%	0.000% - 0.270%
All Systems - Combined Ground & Surface Water		0.000000237	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0672%</b>	0.000% - 0.211%	0.000% - 0.196%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.30.g. Endrin - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.30.h. Endrin - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.30.i. Endrin - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.30.j. Endrin - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00001 g/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	200	0	0
	501 - 3,300	2,500	0	8,300	0	4,500
	3,301 - 10,000	0	0	12,900	0	12,900
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	188,900	0	0
	<b>GW Total</b>	<b>12,800</b>	<b>0</b>	<b>292,000</b>	<b>0</b>	<b>12,000</b>
Surface Water	≤ 500	100	0	1,800	0	400
	501 - 3,300	0	0	5,200	0	0
	3,301 - 10,000	0	0	16,800	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	122,100	0	315,000	0	315,000
	<b>SW Total</b>	<b>134,200</b>	<b>0</b>	<b>356,400</b>	<b>0</b>	<b>344,000</b>
<b>Total Ground &amp; Surface Water</b>		<b>143,200</b>	<b>0</b>	<b>450,100</b>	<b>0</b>	<b>417,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.31.a. Ethylbenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.7 mg/L			Threshold = 0.35 mg/L		
Ground Water	≤ 500	0.000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000389	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000567	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000220	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000121	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000287	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Surface Water	≤ 500	0.000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000358	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000103	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000210	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000579	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.000306	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.175 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.568%</b>	0.402% - 0.728%	0.428% - 0.702%
	501 - 3,300	0.000389	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.944%</b>	0.636% - 1.29%	0.678% - 1.21%
	3,301 - 10,000	0.000567	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.88%</b>	1.21% - 2.59%	1.29% - 2.50%
	10,001 - 50,000	0.000220	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.48%</b>	0.151% - 0.906%	0.151% - 0.906%
	> 50,000	0.000121	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0469%</b>	0.000% - 0.617%	0.000% - 0.617%
	Total	0.000287	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.709%</b>	0.528% - 0.872%	0.550% - 0.854%
<hr/>								
Surface Water	≤ 500	0.000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.94%</b>	2.13% - 6.10%	2.44% - 5.49%
	501 - 3,300	0.000358	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.763%</b>	0.000% - 1.57%	0.224% - 1.57%
	3,301 - 10,000	0.000103	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.64%</b>	0.687% - 3.09%	0.687% - 2.75%
	10,001 - 50,000	0.000210	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.239%</b>	0.000% - 0.882%	0.000% - 0.882%
	> 50,000	0.000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0946%</b>	0.000% - 0.599%	0.000% - 0.599%
	Total	0.000579	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.40%</b>	0.954% - 2.03%	1.02% - 1.91%
<hr/>								
All Systems - Combined Ground & Surface Water		0.000306	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.754%</b>	0.568% - 0.915%	0.581% - 0.898%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.31.b. Ethylbenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.7 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.31.c. Ethylbenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.35 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.31.d. Ethylbenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.175 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.31.e. Ethylbenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	247	175	317	186	306
	501 - 3,300	115	77	157	82	147
	3,301 - 10,000	45	29	62	31	60
	10,001 - 50,000	6	2	11	2	11
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>421</b>	<b>314</b>	<b>518</b>	<b>327</b>	<b>508</b>
Surface Water	≤ 500	60	33	94	37	84
	501 - 3,300	13	0	27	4	27
	3,301 - 10,000	17	7	31	7	28
	10,001 - 50,000	2	0	8	0	8
	> 50,000	0	0	2	0	2
	<b>SW Total</b>	<b>78</b>	<b>53</b>	<b>114</b>	<b>57</b>	<b>107</b>
<b>Total Ground &amp; Surface Water</b>		<b>491</b>	<b>370</b>	<b>595</b>	<b>378</b>	<b>584</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.31.f. Ethylbenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.7 mg/L			Threshold = 0.35 mg/L		
Ground Water	≤ 500	0.0000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000389	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000567	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000220	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000121	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000287	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
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Surface Water	≤ 500	0.000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000358	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000103	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000210	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000579	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000306	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.175 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.622%</b>	0.437% - 0.808%	0.463% - 0.788%
	501 - 3,300	0.0000389	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.972%</b>	0.636% - 1.34%	0.695% - 1.29%
	3,301 - 10,000	0.0000567	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.75%</b>	1.08% - 2.44%	1.19% - 2.37%
	10,001 - 50,000	0.0000220	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.477%</b>	0.0787% - 1.07%	0.150% - 0.993%
	> 50,000	0.0000121	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0385%</b>	0.000% - 0.688%	0.000% - 0.379%
	Total	0.0000287	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.539%</b>	0.331% - 0.833%	0.354% - 0.741%
<hr/>								
Surface Water	≤ 500	0.000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>4.41%</b>	2.24% - 7.27%	2.59% - 6.65%
	501 - 3,300	0.0000358	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.580%</b>	0.000% - 1.38%	0.102% - 1.21%
	3,301 - 10,000	0.000103	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.74%</b>	0.854% - 2.95%	0.854% - 2.73%
	10,001 - 50,000	0.0000210	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.208%</b>	0.000% - 0.870%	0.000% - 0.706%
	> 50,000	0.0000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0393%</b>	0.000% - 0.531%	0.000% - 0.215%
	Total	0.0000579	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.121%</b>	0.0370% - 0.512%	0.0429% - 0.296%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000306	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.308%</b>	0.180% - 0.514%	0.206% - 0.457%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.31.g. Ethylbenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.7 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.31.h. Ethylbenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.35 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.31.i. Ethylbenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.175 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.31.j. Ethylbenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	40,400	28,400	52,500	30,100	51,200
	501 - 3,300	150,900	98,700	208,400	107,900	200,900
	3,301 - 10,000	241,400	148,300	336,000	163,200	326,800
	10,001 - 50,000	116,700	19,200	262,000	36,700	242,700
	> 50,000	0	0	175,100	0	96,400
	<b>GW Total</b>	<b>461,600</b>	<b>283,800</b>	<b>713,500</b>	<b>303,200</b>	<b>634,600</b>
Surface Water	≤ 500	12,900	6,600	21,300	7,600	19,500
	501 - 3,300	16,400	0	38,900	2,900	34,100
	3,301 - 10,000	105,600	52,000	179,400	52,000	166,200
	10,001 - 50,000	45,400	0	190,200	0	154,300
	> 50,000	0	0	510,800	0	207,300
	<b>SW Total</b>	<b>154,300</b>	<b>47,100</b>	<b>652,000</b>	<b>54,600</b>	<b>376,800</b>
<b>Total Ground &amp; Surface Water</b>		<b>655,600</b>	<b>382,600</b>	<b>1,095,300</b>	<b>439,400</b>	<b>974,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.32.a. Ethylene Dibromide - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.00005 mg/L			Threshold = 0.000025 mg/L		
Ground Water	≤ 500	0.00000896	<b>0.113%</b>	0.0383% - 0.211%	0.0383% - 0.201%	<b>0.303%</b>	0.134% - 0.479%	0.153% - 0.460%
	501 - 3,300	0.00000803	<b>0.0775%</b>	0.000% - 0.190%	0.000% - 0.190%	<b>0.265%</b>	0.0949% - 0.506%	0.127% - 0.443%
	3,301 - 10,000	0.00000918	<b>0.170%</b>	0.000% - 0.498%	0.000% - 0.373%	<b>0.417%</b>	0.124% - 0.871%	0.124% - 0.746%
	10,001 - 50,000	0.00000644	<b>0.0246%</b>	0.000% - 0.184%	0.000% - 0.184%	<b>0.167%</b>	0.000% - 0.552%	0.000% - 0.552%
	> 50,000	0.00000423	<b>0.00704%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0338%</b>	0.000% - 0.704%	0.000% - 0.000%
	Total	0.00000864	<b>0.105%</b>	0.0398% - 0.192%	0.0464% - 0.179%	<b>0.294%</b>	0.146% - 0.451%	0.159% - 0.431%
Surface Water	≤ 500	0.00000139	<b>0.210%</b>	0.000% - 1.15%	0.000% - 1.15%	<b>0.679%</b>	0.000% - 2.30%	0.000% - 2.30%
	501 - 3,300	0.00000926	<b>0.0769%</b>	0.000% - 0.680%	0.000% - 0.340%	<b>0.311%</b>	0.000% - 1.36%	0.000% - 1.02%
	3,301 - 10,000	0.00000116	<b>0.0734%</b>	0.000% - 0.483%	0.000% - 0.483%	<b>0.415%</b>	0.000% - 1.45%	0.000% - 1.45%
	10,001 - 50,000	0.00000226	<b>0.451%</b>	0.000% - 1.50%	0.000% - 1.13%	<b>1.36%</b>	0.000% - 3.01%	0.376% - 2.63%
	> 50,000	0.00000260	<b>0.828%</b>	0.763% - 1.53%	0.763% - 1.53%	<b>0.986%</b>	0.763% - 2.29%	0.763% - 1.53%
	Total	0.00000158	<b>0.283%</b>	0.0933% - 0.653%	0.0933% - 0.560%	<b>0.733%</b>	0.280% - 1.40%	0.280% - 1.31%
All Systems - Combined Ground & Surface Water		0.00000912	<b>0.116%</b>	0.0433% - 0.204%	0.0495% - 0.198%	<b>0.323%</b>	0.161% - 0.501%	0.180% - 0.470%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.00002 mg/L			Threshold = 0.0000125 mg/L		
Ground Water	≤ 500	0.00000896	<b>0.417%</b>	0.201% - 0.652%	0.221% - 0.613%	<b>0.820%</b>	0.460% - 1.22%	0.508% - 1.11%
	501 - 3,300	0.00000803	<b>0.378%</b>	0.158% - 0.632%	0.190% - 0.601%	<b>0.772%</b>	0.443% - 1.17%	0.474% - 1.11%
	3,301 - 10,000	0.00000918	<b>0.553%</b>	0.124% - 1.12%	0.249% - 0.995%	<b>0.951%</b>	0.373% - 1.74%	0.373% - 1.62%
	10,001 - 50,000	0.00000644	<b>0.286%</b>	0.000% - 0.735%	0.000% - 0.735%	<b>0.653%</b>	0.184% - 1.29%	0.184% - 1.29%
	> 50,000	0.00000423	<b>0.0549%</b>	0.000% - 0.704%	0.000% - 0.704%	<b>0.182%</b>	0.000% - 0.704%	0.000% - 0.704%
	Total	0.00000864	<b>0.408%</b>	0.219% - 0.603%	0.239% - 0.577%	<b>0.805%</b>	0.491% - 1.13%	0.544% - 1.06%
Surface Water	≤ 500	0.00000139	<b>0.926%</b>	0.000% - 3.45%	0.000% - 2.87%	<b>1.82%</b>	0.000% - 5.17%	0.000% - 4.60%
	501 - 3,300	0.00000926	<b>0.465%</b>	0.000% - 1.36%	0.000% - 1.36%	<b>1.02%</b>	0.000% - 2.38%	0.000% - 2.04%
	3,301 - 10,000	0.00000116	<b>0.612%</b>	0.000% - 1.93%	0.000% - 1.45%	<b>1.39%</b>	0.000% - 2.90%	0.000% - 2.90%
	10,001 - 50,000	0.00000226	<b>1.88%</b>	0.376% - 3.76%	0.376% - 3.38%	<b>3.42%</b>	1.13% - 5.64%	1.50% - 5.64%
	> 50,000	0.00000260	<b>1.09%</b>	0.763% - 2.29%	0.763% - 2.29%	<b>1.46%</b>	0.763% - 3.05%	0.763% - 3.05%
	Total	0.00000158	<b>0.995%</b>	0.373% - 1.68%	0.466% - 1.59%	<b>1.87%</b>	1.03% - 2.89%	1.119% - 2.80%
All Systems - Combined Ground & Surface Water		0.00000912	<b>0.447%</b>	0.241% - 0.656%	0.260% - 0.625%	<b>0.875%</b>	0.545% - 1.22%	0.588% - 1.15%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.32.b. Ethylene Dibromide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	49	17	92	17	88
	501 - 3,300	9	0	23	0	23
	3,301 - 10,000	4	0	12	0	9
	10,001 - 50,000	1	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>62</b>	<b>24</b>	<b>114</b>	<b>28</b>	<b>106</b>
Surface Water	≤ 500	3	0	18	0	18
	501 - 3,300	1	0	12	0	6
	3,301 - 10,000	1	0	5	0	5
	10,001 - 50,000	4	0	14	0	11
	> 50,000	3	3	6	3	6
	<b>SW Total</b>	<b>16</b>	<b>5</b>	<b>37</b>	<b>5</b>	<b>31</b>
<b>Total Ground &amp; Surface Water</b>		<b>76</b>	<b>28</b>	<b>133</b>	<b>32</b>	<b>129</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.32.c. Ethylene Dibromide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.000025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	132	58	208	67	200
	501 - 3,300	32	12	61	15	54
	3,301 - 10,000	10	3	21	3	18
	10,001 - 50,000	2	0	7	0	7
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>175</b>	<b>87</b>	<b>268</b>	<b>95</b>	<b>256</b>
Surface Water	≤ 500	10	0	35	0	35
	501 - 3,300	5	0	23	0	17
	3,301 - 10,000	4	0	15	0	15
	10,001 - 50,000	13	0	28	4	25
	> 50,000	4	3	9	3	6
	<b>SW Total</b>	<b>41</b>	<b>16</b>	<b>78</b>	<b>16</b>	<b>73</b>
<b>Total Ground &amp; Surface Water</b>		<b>210</b>	<b>105</b>	<b>326</b>	<b>117</b>	<b>306</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.32.d. Ethylene Dibromide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	181	88	284	96	267
	501 - 3,300	46	19	77	23	73
	3,301 - 10,000	13	3	27	6	24
	10,001 - 50,000	3	0	9	0	9
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>243</b>	<b>130</b>	<b>359</b>	<b>142</b>	<b>343</b>
Surface Water	≤ 500	14	0	53	0	44
	501 - 3,300	8	0	23	0	23
	3,301 - 10,000	6	0	20	0	15
	10,001 - 50,000	18	4	35	4	32
	> 50,000	4	3	9	3	9
	<b>SW Total</b>	<b>56</b>	<b>21</b>	<b>94</b>	<b>26</b>	<b>89</b>
<b>Total Ground &amp; Surface Water</b>		<b>291</b>	<b>157</b>	<b>427</b>	<b>169</b>	<b>407</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.32.e. Ethylene Dibromide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0000125 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	356	200	529	221	484
	501 - 3,300	94	54	142	58	135
	3,301 - 10,000	23	9	42	9	39
	10,001 - 50,000	8	2	15	2	15
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>478</b>	<b>292</b>	<b>674</b>	<b>323</b>	<b>631</b>
Surface Water	≤ 500	28	0	79	0	71
	501 - 3,300	17	0	41	0	35
	3,301 - 10,000	14	0	29	0	29
	10,001 - 50,000	32	11	53	14	53
	> 50,000	6	3	12	3	12
	<b>SW Total</b>	<b>104</b>	<b>57</b>	<b>162</b>	<b>63</b>	<b>156</b>
<b>Total Ground &amp; Surface Water</b>		<b>569</b>	<b>354</b>	<b>793</b>	<b>382</b>	<b>745</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.32.f. Ethylene Dibromide - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Se**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.00005 mg/L			Threshold = 0.000025 mg/L		
Ground Water	≤ 500	0.000000896	<b>0.115%</b>	0.0371% - 0.230%	0.0443% - 0.207%	<b>0.304%</b>	0.132% - 0.508%	0.145% - 0.460%
	501 - 3,300	0.000000803	<b>0.0652%</b>	0.000% - 0.203%	0.000% - 0.176%	<b>0.237%</b>	0.0655% - 0.481%	0.0853% - 0.440%
	3,301 - 10,000	0.000000918	<b>0.219%</b>	0.000% - 0.575%	0.000% - 0.447%	<b>0.453%</b>	0.207% - 0.917%	0.207% - 0.861%
	10,001 - 50,000	0.000000644	<b>0.0225%</b>	0.000% - 0.218%	0.000% - 0.154%	<b>0.177%</b>	0.000% - 0.694%	0.000% - 0.619%
	> 50,000	0.000000423	<b>0.00464%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0281%</b>	0.000% - 0.397%	0.000% - 0.000%
	Total	0.000000864	<b>0.0462%</b>	0.00455% - 0.136%	0.00707% - 0.106%	<b>0.156%</b>	0.0479% - 0.364%	0.0542% - 0.328%
Surface Water	≤ 500	0.00000139	<b>0.229%</b>	0.000% - 1.64%	0.000% - 1.47%	<b>0.726%</b>	0.000% - 3.27%	0.000% - 2.71%
	501 - 3,300	0.000000926	<b>0.0836%</b>	0.000% - 0.649%	0.000% - 0.492%	<b>0.347%</b>	0.000% - 1.48%	0.000% - 1.12%
	3,301 - 10,000	0.00000116	<b>0.0836%</b>	0.000% - 0.660%	0.000% - 0.646%	<b>0.458%</b>	0.000% - 1.70%	0.000% - 1.55%
	10,001 - 50,000	0.00000226	<b>0.433%</b>	0.000% - 1.49%	0.000% - 1.31%	<b>1.28%</b>	0.000% - 3.02%	0.170% - 2.57%
	> 50,000	0.00000260	<b>0.193%</b>	0.146% - 0.713%	0.146% - 0.713%	<b>0.320%</b>	0.146% - 1.35%	0.146% - 0.956%
	Total	0.00000158	<b>0.219%</b>	0.122% - 0.740%	0.122% - 0.666%	<b>0.446%</b>	0.142% - 1.25%	0.162% - 1.04%
All Systems - Combined Ground & Surface Water		0.000000912	<b>0.142%</b>	0.0705% - 0.432%	0.0735% - 0.389%	<b>0.317%</b>	0.113% - 0.804%	0.122% - 0.679%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.00002 mg/L			Threshold = 0.0000125 mg/L		
Ground Water	≤ 500	0.000000896	<b>0.419%</b>	0.191% - 0.684%	0.210% - 0.638%	<b>0.824%</b>	0.458% - 1.25%	0.496% - 1.16%
	501 - 3,300	0.000000803	<b>0.347%</b>	0.124% - 0.649%	0.155% - 0.600%	<b>0.732%</b>	0.380% - 1.15%	0.424% - 1.10%
	3,301 - 10,000	0.000000918	<b>0.581%</b>	0.207% - 1.14%	0.284% - 1.03%	<b>0.961%</b>	0.370% - 1.74%	0.452% - 1.59%
	10,001 - 50,000	0.000000644	<b>0.311%</b>	0.000% - 0.931%	0.000% - 0.782%	<b>0.739%</b>	0.126% - 1.51%	0.263% - 1.38%
	> 50,000	0.000000423	<b>0.0464%</b>	0.000% - 0.476%	0.000% - 0.397%	<b>0.144%</b>	0.000% - 0.824%	0.000% - 0.692%
	Total	0.000000864	<b>0.236%</b>	0.0678% - 0.488%	0.0856% - 0.445%	<b>0.509%</b>	0.230% - 0.966%	0.264% - 0.856%
Surface Water	≤ 500	0.00000139	<b>0.986%</b>	0.000% - 3.90%	0.000% - 3.27%	<b>1.95%</b>	0.000% - 5.86%	0.000% - 4.88%
	501 - 3,300	0.000000926	<b>0.513%</b>	0.000% - 1.87%	0.000% - 1.49%	<b>1.11%</b>	0.000% - 2.81%	0.000% - 2.44%
	3,301 - 10,000	0.00000116	<b>0.671%</b>	0.000% - 1.98%	0.000% - 1.78%	<b>1.49%</b>	0.000% - 3.39%	0.000% - 2.94%
	10,001 - 50,000	0.00000226	<b>1.74%</b>	0.278% - 3.93%	0.463% - 3.38%	<b>3.12%</b>	1.10% - 5.49%	1.35% - 5.19%
	> 50,000	0.00000260	<b>0.402%</b>	0.146% - 1.61%	0.146% - 1.17%	<b>0.717%</b>	0.146% - 2.74%	0.146% - 2.02%
	Total	0.00000158	<b>0.581%</b>	0.184% - 1.62%	0.199% - 1.25%	<b>1.05%</b>	0.326% - 2.67%	0.375% - 2.15%
All Systems - Combined Ground & Surface Water		0.000000912	<b>0.427%</b>	0.152% - 1.02%	0.182% - 0.862%	<b>0.808%</b>	0.330% - 1.74%	0.365% - 1.44%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.32.g. Ethylene Dibromide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	7,400	2,400	14,900	2,900	13,400
	501 - 3,300	10,100	0	31,500	0	27,300
	3,301 - 10,000	30,200	0	79,200	0	61,500
	10,001 - 50,000	10,000	0	53,200	0	37,600
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>39,600</b>	<b>3,900</b>	<b>116,300</b>	<b>6,100</b>	<b>90,900</b>
Surface Water	≤ 500	700	0	4,800	0	4,300
	501 - 3,300	2,400	0	18,300	0	13,900
	3,301 - 10,000	5,100	0	40,100	0	39,300
	10,001 - 50,000	94,600	0	325,200	0	285,800
	> 50,000	185,400	140,300	686,600	140,300	686,600
	<b>SW Total</b>	<b>279,200</b>	<b>155,100</b>	<b>942,000</b>	<b>155,100</b>	<b>847,600</b>
<b>Total Ground &amp; Surface Water</b>		<b>302,700</b>	<b>150,100</b>	<b>921,000</b>	<b>156,500</b>	<b>828,800</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.32.h. Ethylene Dibromide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.000025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	19,800	8,600	33,000	9,400	29,900
	501 - 3,300	36,800	10,200	74,600	13,200	68,300
	3,301 - 10,000	62,400	28,500	126,300	28,500	118,600
	10,001 - 50,000	43,300	0	169,700	0	151,300
	> 50,000	0	0	101,100	0	0
	<b>GW Total</b>	<b>133,800</b>	<b>41,000</b>	<b>311,500</b>	<b>46,400</b>	<b>280,700</b>
Surface Water	≤ 500	2,100	0	9,500	0	7,900
	501 - 3,300	9,800	0	41,700	0	31,500
	3,301 - 10,000	27,900	0	103,500	0	94,200
	10,001 - 50,000	280,100	0	660,200	37,100	561,600
	> 50,000	308,100	140,300	1,301,700	140,300	920,600
	<b>SW Total</b>	<b>568,400</b>	<b>181,100</b>	<b>1,587,800</b>	<b>206,400</b>	<b>1,325,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>675,200</b>	<b>240,100</b>	<b>1,711,500</b>	<b>260,700</b>	<b>1,445,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.32.i. Ethylene Dibromide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	27,300	12,400	44,400	13,700	41,500
	501 - 3,300	53,800	19,300	100,800	24,100	93,100
	3,301 - 10,000	80,000	28,500	156,600	39,200	141,400
	10,001 - 50,000	76,000	0	227,500	0	191,100
	> 50,000	0	0	121,100	0	101,100
	<b>GW Total</b>	<b>202,000</b>	<b>58,100</b>	<b>417,700</b>	<b>73,400</b>	<b>381,300</b>
Surface Water	≤ 500	2,900	0	11,400	0	9,500
	501 - 3,300	14,500	0	52,700	0	42,000
	3,301 - 10,000	40,800	0	120,300	0	108,200
	10,001 - 50,000	380,200	60,700	858,100	101,200	738,800
	> 50,000	387,300	140,300	1,552,000	140,300	1,125,500
	<b>SW Total</b>	<b>739,500</b>	<b>233,900</b>	<b>2,066,500</b>	<b>253,400</b>	<b>1,587,800</b>
<b>Total Ground &amp; Surface Water</b>		<b>909,500</b>	<b>323,100</b>	<b>2,170,600</b>	<b>387,900</b>	<b>1,836,300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.32.j. Ethylene Dibromide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0000125 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	53,500	29,800	81,200	32,200	75,300
	501 - 3,300	113,600	59,000	178,100	65,800	170,300
	3,301 - 10,000	132,300	51,000	239,200	62,300	218,900
	10,001 - 50,000	180,700	30,700	369,800	64,200	336,100
	> 50,000	0	0	209,600	0	176,200
	<b>GW Total</b>	<b>435,900</b>	<b>197,200</b>	<b>828,000</b>	<b>226,000</b>	<b>733,400</b>
Surface Water	≤ 500	5,700	0	17,100	0	14,300
	501 - 3,300	31,100	0	79,300	0	68,800
	3,301 - 10,000	90,800	0	206,300	0	179,100
	10,001 - 50,000	682,200	240,600	1,200,300	295,900	1,134,400
	> 50,000	690,600	140,300	2,634,200	140,300	1,941,000
	<b>SW Total</b>	<b>1,334,400</b>	<b>415,100</b>	<b>3,399,600</b>	<b>477,300</b>	<b>2,738,800</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,720,000</b>	<b>702,300</b>	<b>3,702,100</b>	<b>777,500</b>	<b>3,075,800</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.33.a. Fluoride - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
<b>Threshold = 4 mg/L</b>														
Ground Water	≤ 500	0.461	<b>0.590%</b>	0.488% - 0.688%	0.496% - 0.673%	<b>1.25%</b>	1.10% - 1.41%	1.12% - 1.39%	<b>3.08%</b>	2.86% - 3.31%	2.88% - 3.28%	<b>5.44%</b>	5.15% - 5.72%	5.22% - 5.67%
	501 - 3,300	0.521	<b>0.480%</b>	0.328% - 0.631%	0.354% - 0.606%	<b>1.13%</b>	0.909% - 1.39%	0.93% - 1.34%	<b>3.17%</b>	2.83% - 3.54%	2.88% - 3.51%	<b>6.08%</b>	5.53% - 6.57%	5.63% - 6.52%
	3,301 - 10,000	0.556	<b>0.602%</b>	0.299% - 0.896%	0.299% - 0.896%	<b>1.28%</b>	0.896% - 1.69%	1.00% - 1.59%	<b>3.04%</b>	2.39% - 3.79%	2.49% - 3.69%	<b>5.90%</b>	4.98% - 6.97%	5.08% - 6.87%
	10,001 - 50,000	0.545	<b>0.136%</b>	0.00% - 0.348%	0.00% - 0.348%	<b>0.623%</b>	0.174% - 1.22%	0.174% - 1.05%	<b>2.17%</b>	1.39% - 2.96%	1.57% - 2.79%	<b>4.65%</b>	3.48% - 5.92%	3.66% - 5.75%
	> 50,000	0.504	<b>0.0160%</b>	0.00% - 0.00%	0.00% - 0.00%	<b>0.0533%</b>	0.000% - 0.667%	0.000% - 0.667%	<b>0.527%</b>	0.000% - 2.00%	0.000% - 1.33%	<b>1.92%</b>	0.000% - 4.00%	0.667% - 3.33%
	Total	0.482	<b>0.550%</b>	0.469% - 0.635%	0.479% - 0.620%	<b>1.20%</b>	1.07% - 1.33%	1.09% - 1.30%	<b>3.05%</b>	2.85% - 3.23%	2.88% - 3.20%	<b>5.55%</b>	5.29% - 5.78%	5.33% - 5.75%
<b>Threshold = 3 mg/L</b>														
Surface Water	≤ 500	0.272	<b>0.0693%</b>	0.00% - 0.533%	0.00% - 0.267%	<b>0.230%</b>	0.000% - 0.800%	0.000% - 0.533%	<b>0.805%</b>	0.267% - 1.60%	0.267% - 1.33%	<b>1.68%</b>	0.800% - 2.67%	0.800% - 2.40%
	501 - 3,300	0.399	<b>0.0702%</b>	0.00% - 0.439%	0.00% - 0.219%	<b>0.248%</b>	0.000% - 0.658%	0.000% - 0.439%	<b>0.967%</b>	0.439% - 1.75%	0.439% - 1.54%	<b>2.90%</b>	1.75% - 4.17%	1.97% - 3.95%
	3,301 - 10,000	0.658	<b>0.0206%</b>	0.00% - 0.356%	0.00% - 0.356%	<b>0.113%</b>	0.000% - 0.712%	0.000% - 0.712%	<b>1.22%</b>	0.000% - 2.49%	0.356% - 2.14%	<b>5.71%</b>	3.56% - 8.19%	3.56% - 7.83%
	10,001 - 50,000	0.760	<b>0.0417%</b>	0.00% - 0.312%	0.00% - 0.312%	<b>0.216%</b>	0.000% - 0.935%	0.000% - 0.623%	<b>1.88%</b>	0.623% - 3.43%	0.935% - 3.12%	<b>7.03%</b>	4.67% - 9.66%	4.98% - 9.35%
	> 50,000	0.583	<b>0.00625%</b>	0.00% - 0.00%	0.00% - 0.00%	<b>0.0425%</b>	0.000% - 0.625%	0.000% - 0.625%	<b>0.494%</b>	0.000% - 1.88%	0.000% - 1.25%	<b>2.63%</b>	0.625% - 5.63%	1.25% - 5.00%
	Total	0.506	<b>0.0491%</b>	0.00% - 0.188%	0.00% - 0.126%	<b>0.193%</b>	0.000% - 0.377%	0.063% - 0.377%	<b>1.11%</b>	0.691% - 1.51%	0.753% - 1.51%	<b>3.91%</b>	3.08% - 4.77%	3.20% - 4.65%
<b>Threshold = 2 mg/L</b>														
All Systems - Combined Ground & Surface Water		0.483	<b>0.511%</b>	0.437% - 0.591%	0.447% - 0.577%	<b>1.12%</b>	1.01% - 1.23%	1.02% - 1.22%	<b>2.90%</b>	2.72% - 3.08%	2.75% - 3.05%	<b>5.42%</b>	5.19% - 5.63%	5.23% - 5.61%
<b>Threshold = 1.2 mg/L</b>														
Ground Water	≤ 500	0.461	<b>8.10%</b>	7.73% - 8.42%	7.82% - 8.39%	<b>18.0%</b>	17.5% - 18.5%	17.7% - 18.4%	<b>26.7%</b>	26.3% - 27.2%	26.3% - 27.2%	<b>80.9%</b>	80.3% - 81.4%	80.4% - 81.3%
	501 - 3,300	0.521	<b>9.77%</b>	9.12% - 10.4%	9.19% - 10.3%	<b>23.1%</b>	22.3% - 23.9%	22.4% - 23.8%	<b>33.6%</b>	32.7% - 34.4%	32.9% - 34.3%	<b>85.4%</b>	84.6% - 86.1%	84.8% - 86.0%
	3,301 - 10,000	0.556	<b>10.0%</b>	8.87% - 11.4%	9.06% - 11.2%	<b>26.0%</b>	24.2% - 27.6%	24.6% - 27.5%	<b>38.0%</b>	36.4% - 39.9%	36.7% - 39.6%	<b>87.1%</b>	86.0% - 88.3%	86.1% - 88.1%
	10,001 - 50,000	0.545	<b>8.82%</b>	7.14% - 10.5%	7.32% - 10.3%	<b>27.3%</b>	25.4% - 29.3%	25.8% - 28.9%	<b>40.2%</b>	38.5% - 42.3%	38.7% - 42.0%	<b>90.3%</b>	89.0% - 91.5%	89.2% - 91.5%
	> 50,000	0.504	<b>4.52%</b>	2.00% - 7.33%	2.67% - 6.67%	<b>21.4%</b>	18.0% - 25.3%	18.7% - 24.7%	<b>41.5%</b>	38.0% - 45.3%	38.7% - 44.7%	<b>92.8%</b>	91.3% - 94.7%	91.3% - 94.0%
	Total	0.482	<b>8.54%</b>	8.24% - 8.80%	8.30% - 8.78%	<b>19.8%</b>	19.4% - 20.2%	19.5% - 20.1%	<b>29.3%</b>	28.8% - 29.7%	28.9% - 29.6%	<b>82.5%</b>	82.1% - 82.9%	82.1% - 82.9%
<b>Threshold = 0.7 mg/L</b>														
Surface Water	≤ 500	0.272	<b>3.09%</b>	1.87% - 4.53%	2.13% - 4.27%	<b>9.52%</b>	7.73% - 11.2%	8.00% - 10.9%	<b>14.4%</b>	12.5% - 16.3%	12.8% - 16.0%	<b>62.2%</b>	58.9% - 65.6%	59.5% - 65.1%
	501 - 3,300	0.399	<b>6.59%</b>	4.83% - 8.55%	5.04% - 8.11%	<b>21.0%</b>	18.9% - 22.8%	19.1% - 22.6%	<b>28.1%</b>	26.1% - 29.8%	26.5% - 29.6%	<b>71.8%</b>	69.3% - 74.6%	69.5% - 74.1%
	3,301 - 10,000	0.658	<b>14.1%</b>	11.0% - 17.4%	11.7% - 16.7%	<b>43.5%</b>	40.2% - 47.0%	40.9% - 46.3%	<b>56.0%</b>	53.7% - 58.4%	54.1% - 58.0%	<b>87.4%</b>	85.1% - 89.3%	85.8% - 89.0%
	10,001 - 50,000	0.760	<b>17.3%</b>	13.7% - 20.6%	14.6% - 20.3%	<b>52.4%</b>	49.2% - 55.5%	50.2% - 55.1%	<b>65.3%</b>	62.9% - 67.6%	63.6% - 67.3%	<b>94.2%</b>	92.8% - 95.3%	93.2% - 95.3%
	> 50,000	0.583	<b>7.61%</b>	4.38% - 11.3%	5.00% - 10.6%	<b>37.0%</b>	33.1% - 41.3%	33.8% - 40.0%	<b>51.1%</b>	48.1% - 53.8%	48.8% - 53.1%	<b>89.5%</b>	87.5% - 91.9%	87.5% - 91.3%
	Total	0.506	<b>9.37%</b>	8.22% - 10.5%	8.48% - 10.4%	<b>30.2%</b>	29.0% - 31.3%	29.3% - 31.1%	<b>39.6%</b>	38.6% - 40.6%	38.7% - 40.4%	<b>78.6%</b>	77.4% - 79.9%	77.6% - 79.6%
<b>Threshold = 0.5 mg/L</b>														
All Systems - Combined Ground & Surface Water		0.483	<b>8.60%</b>	8.32% - 8.89%	8.36% - 8.86%	<b>20.6%</b>	20.2% - 21.0%	20.3% - 20.9%	<b>30.0%</b>	29.7% - 30.5%	29.7% - 30.4%	<b>82.2%</b>	81.8% - 82.6%	81.9% - 82.5%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.33.b. Fluoride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 4.0 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	256	212	299	216	293
	501 - 3,300	58	40	77	43	74
	3,301 - 10,000	14	7	22	7	22
	10,001 - 50,000	2	0	4	0	4
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>327</b>	<b>278</b>	<b>378</b>	<b>285</b>	<b>368</b>
Surface Water	≤ 500	1	0	8	0	4
	501 - 3,300	1	0	7	0	4
	3,301 - 10,000	0	0	4	0	4
	10,001 - 50,000	1	0	3	0	3
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>3</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>7</b>
<b>Total Ground &amp; Surface Water</b>		<b>332</b>	<b>284</b>	<b>385</b>	<b>291</b>	<b>375</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.33.c. Fluoride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 3.0 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	542	476	615	486	605
	501 - 3,300	138	111	169	114	163
	3,301 - 10,000	31	22	41	24	38
	10,001 - 50,000	7	2	15	2	12
	> 50,000	0	0	1	0	1
	<b>GW Total</b>	<b>711</b>	<b>634</b>	<b>789</b>	<b>650</b>	<b>773</b>
Surface Water	≤ 500	4	0	12	0	8
	501 - 3,300	4	0	11	0	7
	3,301 - 10,000	1	0	7	0	7
	10,001 - 50,000	2	0	9	0	6
	> 50,000	0	0	3	0	3
	<b>SW Total</b>	<b>11</b>	<b>0</b>	<b>21</b>	<b>4</b>	<b>21</b>
<b>Total Ground &amp; Surface Water</b>		<b>728</b>	<b>634</b>	<b>801</b>	<b>666</b>	<b>791</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.33.d. Fluoride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 2.0 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold					
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB	
Ground Water	≤ 500	1,339	1,242	1,441	1,251	1,425	
	501 - 3,300	385	344	430	350	427	
	3,301 - 10,000	73	57	91	60	89	
	10,001 - 50,000	26	17	35	19	33	
	> 50,000	1	0	4	0	3	
	<b>GW Total</b>		1,812	1,692	1,922	1,714	1,900
Surface Water	≤ 500	12	4	25	4	20	
	501 - 3,300	16	7	30	7	26	
	3,301 - 10,000	12	0	25	4	22	
	10,001 - 50,000	18	6	32	9	29	
	> 50,000	2	0	8	0	5	
	<b>SW Total</b>		62	39	84	42	84
<b>Total Ground &amp; Surface Water</b>			1,885	1,769	2,000	1,791	1,982

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.33.e. Fluoride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1.5 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,368	2,239	2,487	2,271	2,467
	501 - 3,300	739	672	798	685	792
	3,301 - 10,000	142	120	168	122	165
	10,001 - 50,000	55	41	70	44	68
	> 50,000	4	0	8	1	6
	<b>GW Total</b>	<b>3,297</b>	<b>3,147</b>	<b>3,434</b>	<b>3,169</b>	<b>3,416</b>
Surface Water	≤ 500	26	12	41	12	37
	501 - 3,300	49	30	71	34	67
	3,301 - 10,000	58	36	83	36	79
	10,001 - 50,000	66	44	90	47	87
	> 50,000	11	3	23	5	20
	<b>SW Total</b>	<b>219</b>	<b>172</b>	<b>267</b>	<b>179</b>	<b>260</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,526</b>	<b>3,373</b>	<b>3,664</b>	<b>3,401</b>	<b>3,648</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.33.f. Fluoride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1.2 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3,524	3,362	3,664	3,403	3,648
	501 - 3,300	1,187	1,108	1,268	1,118	1,252
	3,301 - 10,000	241	213	273	218	268
	10,001 - 50,000	105	85	124	87	122
	> 50,000	9	4	14	5	13
	<b>GW Total</b>	<b>5,076</b>	<b>4,898</b>	<b>5,233</b>	<b>4,932</b>	<b>5,217</b>
Surface Water	≤ 500	47	29	70	33	66
	501 - 3,300	112	82	146	86	138
	3,301 - 10,000	143	112	176	119	169
	10,001 - 50,000	162	128	192	137	189
	> 50,000	31	18	45	20	43
	<b>SW Total</b>	<b>524</b>	<b>460</b>	<b>586</b>	<b>474</b>	<b>579</b>
<b>Total Ground &amp; Surface Water</b>		<b>5,594</b>	<b>5,408</b>	<b>5,780</b>	<b>5,439</b>	<b>5,761</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.33.g. Fluoride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.7 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	7,838	7,630	8,034	7,677	8,008
	501 - 3,300	2,811	2,714	2,907	2,723	2,889
	3,301 - 10,000	625	582	664	592	661
	10,001 - 50,000	325	303	348	307	344
	> 50,000	40	34	48	35	47
	<b>GW Total</b>	<b>11,769</b>	<b>11,537</b>	<b>11,989</b>	<b>11,591</b>	<b>11,953</b>
Surface Water	≤ 500	146	119	172	123	168
	501 - 3,300	358	322	389	325	385
	3,301 - 10,000	440	407	475	414	468
	10,001 - 50,000	490	460	518	468	515
	> 50,000	149	133	166	136	161
	<b>SW Total</b>	<b>1,688</b>	<b>1,621</b>	<b>1,751</b>	<b>1,635</b>	<b>1,741</b>
<b>Total Ground &amp; Surface Water</b>		<b>13,390</b>	<b>13,156</b>	<b>13,624</b>	<b>13,208</b>	<b>13,591</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.33.h. Fluoride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	11,627	11,418	11,840	11,453	11,810
	501 - 3,300	4,081	3,973	4,185	3,994	4,167
	3,301 - 10,000	914	874	961	881	953
	10,001 - 50,000	479	458	504	460	500
	> 50,000	78	72	86	73	84
	<b>GW Total</b>	<b>17,386</b>	<b>17,142</b>	<b>17,642</b>	<b>17,190</b>	<b>17,594</b>
Surface Water	≤ 500	221	193	250	197	246
	501 - 3,300	478	445	508	453	505
	3,301 - 10,000	567	544	591	547	587
	10,001 - 50,000	610	588	631	594	628
	> 50,000	206	193	216	196	214
	<b>SW Total</b>	<b>2,213</b>	<b>2,158</b>	<b>2,267</b>	<b>2,165</b>	<b>2,260</b>
<b>Total Ground &amp; Surface Water</b>		<b>19,535</b>	<b>19,288</b>	<b>19,808</b>	<b>19,320</b>	<b>19,737</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.33.i. Fluoride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	35,177	34,946	35,394	34,981	35,377
	501 - 3,300	10,377	10,288	10,473	10,304	10,457
	3,301 - 10,000	2,095	2,067	2,122	2,070	2,118
	10,001 - 50,000	1,074	1,059	1,088	1,061	1,088
	> 50,000	175	173	179	173	178
	<b>GW Total</b>	49,032	48,794	49,276	48,824	49,246
Surface Water	≤ 500	955	906	1,008	914	1,000
	501 - 3,300	1,224	1,182	1,271	1,185	1,264
	3,301 - 10,000	885	861	904	868	900
	10,001 - 50,000	879	867	890	870	890
	> 50,000	360	352	369	352	367
	<b>SW Total</b>	4,392	4,327	4,464	4,337	4,450
<b>Total Ground &amp; Surface Water</b>		53,448	53,195	53,695	53,227	53,663

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.33.j. Fluoride - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
				Threshold = 4 mg/L			Threshold = 3 mg/L			Threshold = 2 mg/L			Threshold = 1.5 mg/L	
Ground Water	≤ 500	0.461	<b>0.708%</b>	0.565% - 0.837%	0.590% - 0.820%	<b>1.44%</b>	1.25% - 1.65%	1.27% - 1.61%	<b>3.42%</b>	3.14% - 3.72%	3.19% - 3.67%	<b>5.97%</b>	5.61% - 6.37%	5.65% - 6.31%
	501 - 3,300	0.521	<b>0.457%</b>	0.293% - 0.633%	0.317% - 0.607%	<b>1.10%</b>	0.857% - 1.35%	0.89% - 1.30%	<b>3.13%</b>	2.73% - 3.55%	2.79% - 3.49%	<b>6.05%</b>	5.48% - 6.61%	5.56% - 6.52%
	3,301 - 10,000	0.556	<b>0.672%</b>	0.324% - 1.05%	0.361% - 1.00%	<b>1.40%</b>	0.990% - 1.84%	1.05% - 1.77%	<b>3.23%</b>	2.53% - 4.00%	2.61% - 3.93%	<b>6.18%</b>	5.11% - 7.32%	5.34% - 7.08%
	10,001 - 50,000	0.545	<b>0.102%</b>	0.000% - 0.435%	0.000% - 0.381%	<b>0.575%</b>	0.104% - 1.19%	0.187% - 1.125%	<b>2.12%</b>	1.37% - 3.02%	1.47% - 2.88%	<b>4.29%</b>	3.14% - 5.58%	3.31% - 5.36%
	> 50,000	0.504	<b>0.00718%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0240%</b>	0.000% - 0.304%	0.000% - 0.296%	<b>0.268%</b>	0.000% - 0.979%	0.000% - 0.849%	<b>1.15%</b>	0.000% - 2.51%	0.284% - 2.28%
	Total	0.482	<b>0.208%</b>	0.131% - 0.314%	0.141% - 0.297%	<b>0.556%</b>	0.393% - 0.771%	0.404% - 0.723%	<b>1.68%</b>	1.35% - 2.04%	1.41% - 2.00%	<b>3.52%</b>	2.87% - 4.18%	2.97% - 4.10%
Surface Water	≤ 500	0.272	<b>0.137%</b>	0.000% - 0.738%	0.000% - 0.660%	<b>0.419%</b>	0.000% - 1.21%	0.000% - 1.20%	<b>1.25%</b>	0.0381% - 2.44%	0.207% - 2.02%	<b>2.14%</b>	0.977% - 3.42%	1.20% - 3.22%
	501 - 3,300	0.399	<b>0.0413%</b>	0.000% - 0.266%	0.000% - 0.202%	<b>0.159%</b>	0.000% - 0.523%	0.000% - 0.499%	<b>0.937%</b>	0.185% - 1.87%	0.202% - 1.73%	<b>3.34%</b>	1.83% - 5.12%	2.00% - 4.82%
	3,301 - 10,000	0.658	<b>0.0205%</b>	0.000% - 0.357%	0.000% - 0.227%	<b>0.104%</b>	0.000% - 0.627%	0.000% - 0.524%	<b>1.12%</b>	0.000% - 2.40%	0.208% - 2.22%	<b>5.60%</b>	3.34% - 8.33%	3.55% - 7.96%
	10,001 - 50,000	0.760	<b>0.0438%</b>	0.000% - 0.547%	0.000% - 0.450%	<b>0.203%</b>	0.000% - 0.902%	0.000% - 0.759%	<b>1.73%</b>	0.523% - 3.36%	0.661% - 3.07%	<b>6.53%</b>	4.00% - 9.49%	4.37% - 8.77%
	> 50,000	0.583	<b>0.00138%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0130%</b>	0.000% - 0.102%	0.000% - 0.102%	<b>0.191%</b>	0.000% - 1.45%	0.000% - 0.766%	<b>1.14%</b>	0.102% - 2.90%	0.210% - 2.66%
	Total	0.506	<b>0.00754%</b>	0.000% - 0.0687%	0.000% - 0.0599%	<b>0.0400%</b>	0.000% - 0.175%	0.000% - 0.126%	<b>0.408%</b>	0.130% - 1.44%	0.152% - 0.947%	<b>1.92%</b>	0.961% - 3.41%	1.07% - 3.15%
All Systems - Combined Ground & Surface Water		0.483	<b>0.0897%</b>	0.0555% - 0.141%	0.0605% - 0.129%	<b>0.252%</b>	0.169% - 0.36%	0.179% - 0.344%	<b>0.929%</b>	0.707% - 1.55%	0.730% - 1.29%	<b>2.58%</b>	1.96% - 3.46%	2.03% - 3.36%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	
				Threshold = 1.2 mg/L			Threshold = 0.7 mg/L			Threshold = 0.5 mg/L			Threshold = 0.1 mg/L	
Ground Water	≤ 500	0.461	<b>8.81%</b>	8.33% - 9.22%	8.46% - 9.17%	<b>19.5%</b>	18.9% - 20.0%	19.0% - 20.0%	<b>28.7%</b>	28.1% - 29.4%	28.2% - 29.3%	<b>82.7%</b>	82.1% - 83.3%	82.2% - 83.2%
	501 - 3,300	0.521	<b>9.76%</b>	9.03% - 10.5%	9.16% - 10.3%	<b>23.3%</b>	22.5% - 24.2%	22.5% - 24.0%	<b>33.7%</b>	32.8% - 34.7%	32.9% - 34.5%	<b>85.2%</b>	84.4% - 86.1%	84.5% - 85.9%
	3,301 - 10,000	0.556	<b>10.3%</b>	9.10% - 11.7%	9.29% - 11.5%	<b>26.6%</b>	24.9% - 28.3%	25.1% - 28.1%	<b>38.6%</b>	37.0% - 40.6%	37.2% - 40.4%	<b>87.3%</b>	86.2% - 88.5%	86.3% - 88.4%
	10,001 - 50,000	0.545	<b>8.01%</b>	6.34% - 9.78%	6.59% - 9.49%	<b>26.9%</b>	25.1% - 28.9%	25.3% - 28.7%	<b>39.5%</b>	37.6% - 41.7%	37.9% - 41.3%	<b>91.3%</b>	89.9% - 92.7%	90.1% - 92.5%
	> 50,000	0.504	<b>3.06%</b>	1.14% - 5.11%	1.44% - 4.85%	<b>23.4%</b>	14.6% - 29.6%	15.1% - 29.0%	<b>44.0%</b>	40.0% - 48.4%	40.9% - 47.5%	<b>93.2%</b>	91.6% - 95.1%	91.8% - 94.9%
	Total	0.482	<b>6.51%</b>	5.59% - 7.57%	5.73% - 7.45%	<b>24.6%</b>	20.8% - 27.4%	21.1% - 27.0%	<b>40.1%</b>	38.3% - 42.0%	38.5% - 41.6%	<b>90.4%</b>	89.6% - 91.3%	89.7% - 91.3%
Surface Water	≤ 500	0.272	<b>3.32%</b>	1.77% - 4.92%	2.09% - 4.62%	<b>9.08%</b>	7.09% - 11.1%	7.43% - 10.8%	<b>13.6%</b>	11.0% - 16.0%	11.7% - 15.6%	<b>62.5%</b>	58.4% - 66.4%	59.0% - 65.8%
	501 - 3,300	0.399	<b>7.89%</b>	5.68% - 10.3%	5.92% - 9.90%	<b>25.1%</b>	22.5% - 27.4%	23.0% - 27.2%	<b>32.6%</b>	30.4% - 34.5%	30.8% - 34.2%	<b>73.8%</b>	71.1% - 76.5%	71.6% - 76.2%
	3,301 - 10,000	0.658	<b>13.9%</b>	10.7% - 17.0%	11.4% - 16.5%	<b>43.2%</b>	39.9% - 46.5%	40.3% - 46.1%	<b>55.2%</b>	52.6% - 57.7%	53.1% - 57.3%	<b>87.0%</b>	84.6% - 89.2%	85.1% - 88.7%
	10,001 - 50,000	0.760	<b>16.6%</b>	12.8% - 20.1%	13.4% - 19.7%	<b>51.2%</b>	48.2% - 54.5%	48.5% - 53.9%	<b>64.4%</b>	62.0% - 66.9%	62.3% - 66.4%	<b>93.7%</b>	92.3% - 95.0%	92.5% - 94.7%
	> 50,000	0.583	<b>3.75%</b>	1.41% - 7.01%	1.62% - 6.33%	<b>24.6%</b>	21.7% - 27.6%	22.0% - 27.3%	<b>33.7%</b>	30.8% - 37.4%	31.1% - 37.3%	<b>88.3%</b>	84.6% - 92.8%	85.0% - 92.3%
	Total	0.506	<b>5.59%</b>	3.55% - 8.41%	3.73% - 7.84%	<b>28.3%</b>	25.6% - 30.9%	26.0% - 30.5%	<b>37.8%</b>	35.4% - 41.1%	35.7% - 40.9%	<b>88.7%</b>	85.5% - 92.5%	85.9% - 92.1%
All Systems - Combined Ground & Surface Water		0.483	<b>5.96%</b>	4.61% - 7.64%	4.80% - 7.41%	<b>26.8%</b>	24.3% - 28.8%	24.8% - 28.6%	<b>38.8%</b>	37.1% - 40.9%	37.3% - 40.8%	<b>89.4%</b>	87.4% - 91.6%	87.6% - 91.4%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.33.k. Fluoride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 4.0 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	46,000	36,700	54,400	38,300	53,300
	501 - 3,300	70,900	45,400	98,300	49,300	94,300
	3,301 - 10,000	92,500	44,700	144,500	49,700	138,000
	10,001 - 50,000	25,000	0	106,300	0	93,100
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>178,000</b>	<b>112,000</b>	<b>268,900</b>	<b>120,800</b>	<b>254,800</b>
Surface Water	≤ 500	400	0	2,200	0	1,900
	501 - 3,300	1,200	0	7,500	0	5,700
	3,301 - 10,000	0	0	21,700	0	13,800
	10,001 - 50,000	10,000	0	119,600	0	98,400
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>9,600</b>	<b>0</b>	<b>87,400</b>	<b>0</b>	<b>76,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>191,000</b>	<b>118,200</b>	<b>301,000</b>	<b>128,800</b>	<b>274,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.33.I. Fluoride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 3.0 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	93,500	81,000	107,400	82,700	104,800
	501 - 3,300	170,000	133,100	208,800	138,400	201,500
	3,301 - 10,000	192,500	136,400	253,400	143,900	243,300
	10,001 - 50,000	140,500	25,300	290,900	45,700	275,000
	> 50,000	0	0	77,200	0	75,200
	<b>GW Total</b>	<b>476,000</b>	<b>336,300</b>	<b>660,800</b>	<b>346,300</b>	<b>619,300</b>
Surface Water	≤ 500	1,200	0	3,500	0	3,500
	501 - 3,300	4,500	0	14,700	0	14,100
	3,301 - 10,000	6,300	0	38,100	0	31,900
	10,001 - 50,000	44,300	0	197,200	0	165,800
	> 50,000	0	0	97,900	0	97,700
	<b>SW Total</b>	<b>51,000</b>	<b>0</b>	<b>222,400</b>	<b>300</b>	<b>160,400</b>
<b>Total Ground &amp; Surface Water</b>		<b>535,900</b>	<b>360,000</b>	<b>770,500</b>	<b>381,900</b>	<b>733,200</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.33.m. Fluoride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 2.0 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	222,500	204,300	241,500	207,400	238,600
	501 - 3,300	485,700	423,600	550,800	433,700	541,100
	3,301 - 10,000	445,200	348,800	551,200	359,500	540,900
	10,001 - 50,000	519,100	335,800	737,700	359,300	704,900
	> 50,000	68,300	0	249,100	0	216,000
	<b>GW Total</b>	1,436,900	1,159,300	1,747,900	1,209,000	1,711,100
Surface Water	≤ 500	3,700	100	7,100	600	5,900
	501 - 3,300	26,400	5,200	52,700	5,700	48,800
	3,301 - 10,000	68,300	0	146,100	12,700	135,000
	10,001 - 50,000	378,300	114,200	733,100	144,500	670,600
	> 50,000	184,200	0	1,395,100	0	737,000
	<b>SW Total</b>	519,900	164,900	1,832,200	192,900	1,205,800
<b>Total Ground &amp; Surface Water</b>		1,978,600	1,505,100	3,293,100	1,554,300	2,739,300

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.33.n. Fluoride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1.5 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	387,800	364,500	414,000	367,400	409,900
	501 - 3,300	939,100	851,200	1,027,000	863,300	1,012,700
	3,301 - 10,000	850,300	704,200	1,007,300	734,600	975,500
	10,001 - 50,000	1,048,600	766,300	1,362,600	808,100	1,310,800
	> 50,000	292,300	0	638,400	72,300	579,600
	<b>GW Total</b>	<b>3,014,300</b>	<b>2,460,800</b>	<b>3,581,500</b>	<b>2,543,000</b>	<b>3,511,200</b>
Surface Water	≤ 500	6,300	2,900	10,000	3,500	9,400
	501 - 3,300	94,000	51,500	144,200	56,500	135,700
	3,301 - 10,000	340,800	203,100	506,600	215,700	484,000
	10,001 - 50,000	1,426,300	873,400	2,074,000	955,200	1,917,100
	> 50,000	1,093,700	97,700	2,795,000	202,300	2,564,900
	<b>SW Total</b>	<b>2,445,900</b>	<b>1,223,900</b>	<b>4,341,800</b>	<b>1,359,800</b>	<b>4,014,600</b>
<b>Total Ground &amp; Surface Water</b>		<b>5,487,100</b>	<b>4,164,300</b>	<b>7,374,300</b>	<b>4,313,400</b>	<b>7,146,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.33.o. Fluoride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1.2 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	572,500	541,300	599,100	549,600	596,100
	501 - 3,300	1,516,100	1,402,600	1,628,900	1,421,600	1,605,600
	3,301 - 10,000	1,423,800	1,252,500	1,612,500	1,278,800	1,579,500
	10,001 - 50,000	1,957,800	1,548,600	2,389,200	1,609,500	2,320,000
	> 50,000	779,600	289,300	1,300,600	365,600	1,235,000
	<b>GW Total</b>	<b>5,573,600</b>	<b>4,788,700</b>	<b>6,484,400</b>	<b>4,908,700</b>	<b>6,381,600</b>
Surface Water	≤ 500	9,700	5,200	14,400	6,100	13,500
	501 - 3,300	222,400	160,000	291,400	166,900	279,000
	3,301 - 10,000	847,000	649,800	1,031,300	693,600	1,002,700
	10,001 - 50,000	3,627,500	2,790,500	4,394,500	2,923,800	4,304,900
	> 50,000	3,605,600	1,358,500	6,750,100	1,561,600	6,096,400
	<b>SW Total</b>	<b>7,113,700</b>	<b>4,525,200</b>	<b>10,706,900</b>	<b>4,751,800</b>	<b>9,979,900</b>
<b>Total Ground &amp; Surface Water</b>		<b>12,701,700</b>	<b>9,821,800</b>	<b>16,271,700</b>	<b>10,232,900</b>	<b>15,786,000</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.33.p. Fluoride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.7 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,265,900	1,225,700	1,302,300	1,231,500	1,296,500
	501 - 3,300	3,613,300	3,487,500	3,749,900	3,499,900	3,731,300
	3,301 - 10,000	3,660,100	3,423,300	3,899,800	3,461,900	3,870,800
	10,001 - 50,000	6,577,300	6,134,900	7,054,000	6,181,400	7,007,500
	> 50,000	5,958,700	3,702,000	7,536,200	3,839,300	7,365,700
	<b>GW Total</b>	<b>21,112,000</b>	<b>17,847,500</b>	<b>23,485,400</b>	<b>18,061,700</b>	<b>23,091,200</b>
Surface Water	≤ 500	26,600	20,700	32,300	21,700	31,700
	501 - 3,300	708,600	633,300	772,900	649,100	766,400
	3,301 - 10,000	2,629,100	2,427,700	2,828,000	2,452,000	2,806,100
	10,001 - 50,000	11,184,000	10,521,900	11,909,500	10,600,600	11,780,600
	> 50,000	23,703,800	20,882,900	26,611,400	21,162,100	26,284,100
	<b>SW Total</b>	<b>35,969,700</b>	<b>32,646,500</b>	<b>39,305,700</b>	<b>33,143,100</b>	<b>38,770,900</b>
<b>Total Ground &amp; Surface Water</b>		<b>57,022,300</b>	<b>51,803,600</b>	<b>61,346,400</b>	<b>52,762,100</b>	<b>60,856,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.33.q. Fluoride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,865,800	1,826,800	1,909,300	1,832,000	1,900,900
	501 - 3,300	5,235,900	5,086,900	5,381,900	5,108,600	5,358,600
	3,301 - 10,000	5,319,500	5,088,100	5,590,700	5,128,100	5,559,100
	10,001 - 50,000	9,661,900	9,185,300	10,199,700	9,263,500	10,099,400
	> 50,000	11,197,500	10,184,800	12,316,900	10,403,600	12,072,700
	<b>GW Total</b>	<b>34,349,800</b>	<b>32,850,400</b>	<b>36,003,400</b>	<b>33,013,200</b>	<b>35,669,300</b>
Surface Water	≤ 500	39,600	32,100	46,800	34,200	45,500
	501 - 3,300	917,400	857,400	971,300	867,800	963,400
	3,301 - 10,000	3,361,000	3,200,400	3,508,300	3,227,800	3,488,200
	10,001 - 50,000	14,068,500	13,541,900	14,612,600	13,618,400	14,509,900
	> 50,000	32,417,100	29,663,500	36,027,500	29,961,900	35,892,700
	<b>SW Total</b>	<b>48,180,300</b>	<b>45,099,000</b>	<b>52,305,700</b>	<b>45,391,900</b>	<b>52,114,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>82,562,000</b>	<b>78,919,500</b>	<b>87,120,300</b>	<b>79,430,800</b>	<b>86,843,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.33.r. Fluoride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5,375,700	5,338,000	5,412,100	5,342,600	5,406,900
	501 - 3,300	13,234,200	13,100,700	13,363,100	13,120,900	13,339,800
	3,301 - 10,000	12,022,900	11,863,100	12,181,200	11,887,900	12,168,800
	10,001 - 50,000	22,318,000	21,973,400	22,650,400	22,027,200	22,604,000
	> 50,000	23,700,100	23,315,900	24,186,100	23,346,500	24,132,700
	<b>GW Total</b>	<b>77,482,000</b>	<b>76,762,200</b>	<b>78,218,800</b>	<b>76,865,000</b>	<b>78,184,500</b>
Surface Water	≤ 500	182,700	170,700	194,200	172,500	192,500
	501 - 3,300	2,079,000	2,002,600	2,155,400	2,018,900	2,146,600
	3,301 - 10,000	5,292,800	5,149,200	5,425,500	5,175,400	5,397,500
	10,001 - 50,000	20,469,100	20,171,900	20,751,000	20,217,800	20,698,500
	> 50,000	85,033,400	81,403,700	89,298,500	81,798,400	88,855,700
	<b>SW Total</b>	<b>112,951,300</b>	<b>108,800,500</b>	<b>117,751,500</b>	<b>109,309,800</b>	<b>117,242,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>190,450,600</b>	<b>186,147,900</b>	<b>195,158,100</b>	<b>186,573,900</b>	<b>194,774,700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.34.a. Glyphosate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.7 mg/L			Threshold = 0.06 mg/L			Threshold = 0.006 mg/L		
Ground Water	≤ 500	0.000177	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000898%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000425	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000203	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000431%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000418	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000152	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000849%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.000131	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000613	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000266	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000427	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000564	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000136	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000763%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.34.b. Glyphosate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.7 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.34.c. Glyphosate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.06 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.34.d. Glyphosate - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.34.e. Glyphosate - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.7 mg/L			Threshold = 0.06 mg/L			Threshold = 0.006 mg/L		
Ground Water	≤ 500	0.000177	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000171%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000425	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000203	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000314%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000418	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000152	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000313%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.000131	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000613	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000266	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000427	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000564	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000136	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000138%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.34.f. Glyphosate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.7 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.34.g. Glyphosate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.06 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.34.h. Glyphosate - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.006 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.35.a. Heptachlor - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.0004 mg/L			Threshold = 0.0001 mg/L			Threshold = 0.00004 mg/L		
Ground Water	≤ 500	0.000000711	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000241%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000772%</b>	0.000% - 0.0121%	0.000% - 0.0121%
	501 - 3,300	0.000000822	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00204%</b>	0.000% - 0.0329%	0.000% - 0.0329%
	3,301 - 10,000	0.000000688	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00504%</b>	0.000% - 0.120%	0.000% - 0.000%
	10,001 - 50,000	0.000000589	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000407	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000728	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000156%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00131%</b>	0.000% - 0.00779%	0.000% - 0.00779%
Surface Water	≤ 500	0.000000582	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000177	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000805	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000749%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000294	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000513	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000436	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000142%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000000699	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000140%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00119%</b>	0.000% - 0.00702%	0.000% - 0.00702%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.35.b. Heptachlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.35.c. Heptachlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.35.d. Heptachlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1	0	5	0	5
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	3	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>5</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>1</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>5</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.35.e. Heptachlor - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.0004 mg/L			Threshold = 0.0001 mg/L			Threshold = 0.00004 mg/L		
Ground Water	≤ 500	0.000000711	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000179%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000976%</b>	0.000% - 0.0116%	0.000% - 0.00894%
	501 - 3,300	0.000000822	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00284%</b>	0.000% - 0.0494%	0.000% - 0.0494%
	3,301 - 10,000	0.000000688	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00394%</b>	0.000% - 0.0949%	0.000% - 0.000%
	10,001 - 50,000	0.000000589	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000407	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000728	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000000576%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000784%</b>	0.000% - 0.0113%	0.000% - 0.00492%
Surface Water	≤ 500	0.000000582	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000177	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000805	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00119%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000294	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000513	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000436	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000341%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000000699	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000000242%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000350%</b>	0.000% - 0.00476%	0.000% - 0.00247%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.35.f. Heptachlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.35.g. Heptachlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.35.h. Heptachlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	100	0	800	0	600
	501 - 3,300	500	0	7,700	0	7,700
	3,301 - 10,000	0	0	13,100	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	700	0	9,700	0	4,200
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		700	0	10,100	0	5,300

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.36.a. Heptachlor Epoxide - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.0002 mg/L			Threshold = 0.0001 mg/L			Threshold = 0.00002 mg/L		
Ground Water	≤ 500	0.000000474	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000195%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000751	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000990%</b>	0.000% - 0.0330%	0.000% - 0.000%
	3,301 - 10,000	0.00000108	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0698%</b>	0.000% - 0.241%	0.000% - 0.241%
	10,001 - 50,000	0.000000771	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0221%</b>	0.000% - 0.191%	0.000% - 0.191%
	> 50,000	0.000000363	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000590	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00583%</b>	0.000% - 0.0236%	0.000% - 0.0157%
Surface Water	≤ 500	0.000000821	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000333	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000176	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000622	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00127%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000341	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000285%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000000564	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00528%</b>	0.000% - 0.0212%	0.000% - 0.0142%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.36.b. Heptachlor Epoxide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.36.c. Heptachlor Epoxide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.36.d. Heptachlor Epoxide - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	2	0	6	0	6
	10,001 - 50,000	0	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>9</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>3</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>9</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.36.e. Heptachlor Epoxide - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.0002 mg/L			Threshold = 0.0001 mg/L			Threshold = 0.00002 mg/L		
Ground Water	≤ 500	0.000000474	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000178%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000751	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000851%</b>	0.000% - 0.0163%	0.000% - 0.000%
	3,301 - 10,000	0.00000108	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0594%</b>	0.000% - 0.220%	0.000% - 0.220%
	10,001 - 50,000	0.000000771	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0145%</b>	0.000% - 0.135%	0.000% - 0.107%
	> 50,000	0.000000363	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000590	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0114%</b>	0.000% - 0.0570%	0.000% - 0.0416%
Surface Water	≤ 500	0.000000821	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000000333	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000000176	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.000000622	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00167%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000000341	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.000000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000215%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.000000564	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00489%</b>	0.000% - 0.0239%	0.000% - 0.0181%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.36.f. Heptachlor Epoxide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.36.g. Heptachlor Epoxide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.36.h. Heptachlor Epoxide - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	2,500	0	0
	3,301 - 10,000	8,200	0	30,300	0	30,300
	10,001 - 50,000	0	0	33,000	0	26,100
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	9,800	0	48,800	0	35,600
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	300	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		10,400	0	50,800	0	38,600

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.37.a Hexachlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L			Threshold = 0.0001 mg/L		
Ground Water	≤ 500	0.00000870	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000976%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00115%</b>	0.000% - 0.0337%	0.000% - 0.000%
	3,301 - 10,000	0.00000159	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000497%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000241	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0590%</b>	0.000% - 0.195%	0.000% - 0.195%
	> 50,000	0.00000476	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0280%</b>	0.000% - 0.699%	0.000% - 0.000%
	Total	0.00000125	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00307%</b>	0.000% - 0.0158%	0.000% - 0.00792%
Surface Water	≤ 500	0.00000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00150%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000844	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000977	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000114	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00128%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00420%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000129	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00101%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000125	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00287%</b>	0.000% - 0.0143%	0.000% - 0.00714%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.37.b. Hexachlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.37.c. Hexachlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.37.d. Hexachlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	1	0	2	0	2
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>2</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>5</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>2</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>5</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.37.e. Hexachlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L			Threshold = 0.0001 mg/L		
Ground Water	≤ 500	0.00000870	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000112%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000183	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00110%</b>	0.000% - 0.0148%	0.000% - 0.000%
	3,301 - 10,000	0.00000159	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000553%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000241	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.100%</b>	0.000% - 0.333%	0.000% - 0.333%
	> 50,000	0.00000476	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0209%</b>	0.000% - 0.462%	0.000% - 0.000%
	Total	0.00000125	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0384%</b>	0.000% - 0.214%	0.000% - 0.0977%
Surface Water	≤ 500	0.00000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00216%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000844	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000977	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000114	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00194%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00284%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000129	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00260%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000125	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0176%</b>	0.000% - 0.0896%	0.000% - 0.0425%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.37.f. Hexachlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.37.g. Hexachlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.37.h. Hexachlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	2,290	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	24,440	0	81,294	0	81,294
	> 50,000	0	0	117,496	0	0
	<b>GW Total</b>	32,936	0	183,102	0	83,720
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	3,310	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		37,553	0	190,941	0	90,507

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.38.a. Hexachlorocyclopentadiene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.05 mg/L			Threshold = 0.04 mg/L			Threshold = 0.005 mg/L		
Ground Water	≤ 500	0.0000371	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000750	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000697	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000331	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000283	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000507	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000205	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000529	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000292	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000173	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000214	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000309	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000764	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.38.b. Hexachlorocyclopentadiene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.38.c. Hexachlorocyclopentadiene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.04 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.38.d. Hexachlorocyclopentadiene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.38.e. Hexachlorocyclopentadiene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.05 mg/L			Threshold = 0.04 mg/L			Threshold = 0.005 mg/L		
Ground Water	≤ 500	0.0000371	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000750	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000697	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000331	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000283	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000507	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000205	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000529	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000292	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000173	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000214	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000309	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000764	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.38.f. Hexachlorocyclopentadiene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.38.g. Hexachlorocyclopentadiene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.04 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.38.h. Hexachlorocyclopentadiene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.39.a. Lindane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.001 mg/L			Threshold = 0.0002 mg/L			Threshold = 0.0001 mg/L		
Ground Water	≤ 500	0.00000621	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000730	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000624	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000511	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000852	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000644	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000580	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000965	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00183%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000204	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00385%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000931	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000805%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000670	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000745%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.00005 mg/L			Threshold = 0.00002 mg/L					
Ground Water	≤ 500	0.00000621	<b>0.000633%</b>	0.000% - 0.0102%	0.000% - 0.0102%	<b>0.00956%</b>	0.000% - 0.0306%	0.000% - 0.0306%			
	501 - 3,300	0.00000730	<b>0.000247%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0110%</b>	0.000% - 0.0616%	0.000% - 0.0308%			
	3,301 - 10,000	0.00000624	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00343%</b>	0.000% - 0.114%	0.000% - 0.000%			
	10,001 - 50,000	0.00000511	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000365%</b>	0.000% - 0.000%	0.000% - 0.000%			
	> 50,000	0.00000852	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00267%</b>	0.000% - 0.000%	0.000% - 0.000%			
	Total	0.00000644	<b>0.000479%</b>	0.000% - 0.00685%	0.000% - 0.00685%	<b>0.00909%</b>	0.000% - 0.0274%	0.000% - 0.0205%			
Surface Water	≤ 500	0.0000105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0277%</b>	0.000% - 0.338%	0.000% - 0.338%			
	501 - 3,300	0.00000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00841%</b>	0.000% - 0.234%	0.000% - 0.000%			
	3,301 - 10,000	0.00000580	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00142%</b>	0.000% - 0.000%	0.000% - 0.000%			
	10,001 - 50,000	0.00000965	<b>0.0152%</b>	0.000% - 0.305%	0.000% - 0.305%	<b>0.107%</b>	0.000% - 0.305%	0.000% - 0.305%			
	> 50,000	0.0000204	<b>0.119%</b>	0.000% - 0.641%	0.000% - 0.641%	<b>1.07%</b>	0.000% - 1.92%	0.000% - 1.92%			
	Total	0.00000931	<b>0.0158%</b>	0.000% - 0.0671%	0.000% - 0.0671%	<b>0.144%</b>	0.000% - 0.269%	0.0671% - 0.269%			
All Systems - Combined Ground & Surface Water		0.00000670	<b>0.00190%</b>	0.000% - 0.00621%	0.000% - 0.00621%	<b>0.0216%</b>	0.00621% - 0.0435%	0.00621% - 0.0373%			

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.39.b. Lindane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.39.c. Lindane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.39.d. Lindane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.39.e. Lindane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	4	0	4
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	3	0	3
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.39.f. Lindane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	4	0	13	0	13
	501 - 3,300	1	0	7	0	4
	3,301 - 10,000	0	0	3	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>5</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>12</b>
Surface Water	≤ 500	1	0	5	0	5
	501 - 3,300	1	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	1	0	3	0	3
	> 50,000	4	0	8	0	8
	<b>SW Total</b>	<b>8</b>	<b>0</b>	<b>15</b>	<b>4</b>	<b>15</b>
<b>Total Ground &amp; Surface Water</b>		<b>14</b>	<b>4</b>	<b>28</b>	<b>4</b>	<b>24</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "S

System estimates are rounded to the nearest whole number.

**Table C.39.g. Lindane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%			
				Credible Interval			Credible Interval			Credible Interval		Credible Interval		
			Threshold = 0.001 mg/L				Threshold = 0.0002 mg/L				Threshold = 0.0001 mg/L			
Ground Water	≤ 500	0.00000621	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
	501 - 3,300	0.00000730	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
	3,301 - 10,000	0.00000624	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
	10,001 - 50,000	0.00000511	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
	> 50,000	0.00000852	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
	Total	0.00000644	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
Surface Water	≤ 500	0.00001105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
	501 - 3,300	0.00000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
	3,301 - 10,000	0.00000580	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%			
	10,001 - 50,000	0.00000965	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00269%</b>	0.000% - 0.000%	0.000% - 0.000%			
	> 50,000	0.00000204	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00194%</b>	0.000% - 0.000%	0.000% - 0.000%			
	Total	0.00000931	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00195%</b>	0.000% - 0.000%	0.000% - 0.000%			
All Systems - Combined Ground & Surface Water		0.00000670	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00113%</b>	0.000% - 0.000%	0.000% - 0.000%			
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%						
				Credible Interval			Credible Interval		Credible Interval					
			Threshold = 0.00005 mg/L				Threshold = 0.00002 mg/L							
Ground Water	≤ 500	0.00000621	<b>0.000263%</b>	0.000% - 0.00392%	0.000% - 0.00261%	<b>0.00563%</b>	0.000% - 0.0311%	0.000% - 0.0244%						
	501 - 3,300	0.00000730	<b>0.000316%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0102%</b>	0.000% - 0.0601%	0.000% - 0.0470%						
	3,301 - 10,000	0.00000624	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00313%</b>	0.000% - 0.0780%	0.000% - 0.000%						
	10,001 - 50,000	0.00000511	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000343%</b>	0.000% - 0.000%	0.000% - 0.000%						
	> 50,000	0.00000852	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00284%</b>	0.000% - 0.000%	0.000% - 0.000%						
	Total	0.00000644	<b>0.000415%</b>	0.000% - 0.000142%	0.000% - 0.0000949%	<b>0.00301%</b>	0.000% - 0.0112%	0.000% - 0.00682%						
Surface Water	≤ 500	0.00001105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0288%</b>	0.000% - 0.536%	0.000% - 0.193%						
	501 - 3,300	0.00000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00934%</b>	0.000% - 0.200%	0.000% - 0.000%						
	3,301 - 10,000	0.00000580	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00103%</b>	0.000% - 0.000%	0.000% - 0.000%						
	10,001 - 50,000	0.00000965	<b>0.0224%</b>	0.000% - 0.449%	0.000% - 0.449%	<b>0.152%</b>	0.000% - 0.458%	0.000% - 0.449%						
	> 50,000	0.00000204	<b>0.0672%</b>	0.000% - 0.600%	0.000% - 0.600%	<b>0.601%</b>	0.000% - 1.26%	0.000% - 0.970%						
	Total	0.00000931	<b>0.0584%</b>	0.000% - 0.496%	0.000% - 0.496%	<b>0.516%</b>	0.000% - 1.04%	0.0390% - 0.859%						
All Systems - Combined Ground & Surface Water		0.00000670	<b>0.0338%</b>	0.000% - 0.287%	0.000% - 0.287%	<b>0.300%</b>	##### - 0.615%	0.0226% - 0.497%						

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.39.h. Lindane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.39.i. Lindane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.39.j. Lindane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.39.k. Lindane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	300	0	200
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	98,100	0	98,100
	> 50,000	64,700	0	577,800	0	577,800
	<b>SW Total</b>	<b>74,400</b>	<b>0</b>	<b>630,900</b>	<b>0</b>	<b>630,900</b>
<b>Total Ground &amp; Surface Water</b>		<b>72,000</b>	<b>0</b>	<b>610,500</b>	<b>0</b>	<b>610,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.39.I. Lindane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	400	0	2,000	0	1,600
	501 - 3,300	1,600	0	9,300	0	7,300
	3,301 - 10,000	0	0	10,700	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>2,600</b>	<b>0</b>	<b>9,600</b>	<b>0</b>	<b>5,800</b>
Surface Water	≤ 500	100	0	1,600	0	600
	501 - 3,300	500	0	5,600	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	33,100	0	100,100	0	98,100
	> 50,000	578,300	0	1,209,300	0	933,400
	<b>SW Total</b>	<b>657,000</b>	<b>0</b>	<b>1,320,400</b>	<b>49,600</b>	<b>1,094,000</b>
<b>Total Ground &amp; Surface Water</b>		<b>638,400</b>	<b>700</b>	<b>1,309,600</b>	<b>48,000</b>	<b>1,058,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.40.a. Mercury - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.000119	<b>0.0921%</b>	0.0580% - 0.133%	0.0663% - 0.124%	<b>0.452%</b>	0.348% - 0.572%	0.357% - 0.556%	<b>2.46%</b>	2.17% - 2.74%	2.21% - 2.71%
	501 - 3,300	0.000105	<b>0.0328%</b>	0.000% - 0.0814%	0.000% - 0.0814%	<b>0.358%</b>	0.190% - 0.515%	0.217% - 0.515%	<b>2.37%</b>	1.95% - 2.82%	2.01% - 2.74%
	3,301 - 10,000	0.0000957	<b>0.0321%</b>	0.000% - 0.205%	0.000% - 0.102%	<b>0.291%</b>	0.102% - 0.614%	0.102% - 0.614%	<b>1.98%</b>	1.33% - 2.76%	1.43% - 2.66%
	10,001 - 50,000	0.0000904	<b>0.00917%</b>	0.000% - 0.176%	0.000% - 0.000%	<b>0.193%</b>	0.000% - 0.529%	0.000% - 0.529%	<b>1.89%</b>	1.06% - 2.82%	1.24% - 2.65%
	> 50,000	0.0000593	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0119%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.513%</b>	0.000% - 1.99%	0.000% - 1.33%
	Total	0.000113	<b>0.0727%</b>	0.0459% - 0.103%	0.0516% - 0.0975%	<b>0.411%</b>	0.321% - 0.504%	0.338% - 0.487%	<b>2.38%</b>	2.13% - 2.62%	2.18% - 2.59%
Surface Water	≤ 500	0.0000869	<b>0.00894%</b>	0.000% - 0.279%	0.000% - 0.000%	<b>0.100%</b>	0.000% - 0.559%	0.000% - 0.279%	<b>1.12%</b>	0.279% - 2.24%	0.279% - 2.24%
	501 - 3,300	0.0000802	<b>0.00451%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.123%</b>	0.000% - 0.451%	0.000% - 0.451%	<b>0.855%</b>	0.225% - 1.58%	0.451% - 1.35%
	3,301 - 10,000	0.0000945	<b>0.00952%</b>	0.000% - 0.366%	0.000% - 0.000%	<b>0.107%</b>	0.000% - 0.366%	0.000% - 0.366%	<b>1.02%</b>	0.000% - 2.20%	0.366% - 1.83%
	10,001 - 50,000	0.0000970	<b>0.00127%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0260%</b>	0.000% - 0.318%	0.000% - 0.318%	<b>0.987%</b>	0.000% - 1.91%	0.318% - 1.91%
	> 50,000	0.0000642	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0363%</b>	0.000% - 0.625%	0.000% - 0.625%	<b>1.40%</b>	0.625% - 2.50%	0.625% - 2.50%
	Total	0.0000860	<b>0.00529%</b>	0.000% - 0.0645%	0.000% - 0.0645%	<b>0.0863%</b>	0.000% - 0.258%	0.000% - 0.194%	<b>1.03%</b>	0.581% - 1.55%	0.645% - 1.42%
All Systems - Combined Ground & Surface Water		0.000111	<b>0.0672%</b>	0.0421% - 0.0948%	0.0474% - 0.0895%	<b>0.385%</b>	0.300% - 0.474%	0.316% - 0.453%	<b>2.27%</b>	2.05% - 2.49%	2.09% - 2.46%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.40.b. Mercury - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	40	25	58	29	54
	501 - 3,300	4	0	10	0	10
	3,301 - 10,000	1	0	5	0	2
	10,001 - 50,000	1	0	2	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	43	27	61	31	58
Surface Water	≤ 500	0	0	4	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	4	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	4	0	4
<b>Total Ground &amp; Surface Water</b>		44	27	62	31	58

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.40.c. Mercury - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	197	151	249	155	242
	501 - 3,300	44	23	63	26	63
	3,301 - 10,000	7	2	15	2	15
	10,001 - 50,000	2	0	6	0	6
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>244</b>	<b>191</b>	<b>300</b>	<b>201</b>	<b>290</b>
Surface Water	≤ 500	2	0	9	0	4
	501 - 3,300	2	0	8	0	8
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	1	0	3	0	3
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>5</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>11</b>
<b>Total Ground &amp; Surface Water</b>		<b>250</b>	<b>195</b>	<b>308</b>	<b>205</b>	<b>294</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.40.d. Mercury - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,072	945	1,194	963	1,179
	501 - 3,300	289	237	343	244	333
	3,301 - 10,000	48	32	66	34	64
	10,001 - 50,000	22	13	34	15	31
	> 50,000	1	0	4	0	3
	<b>GW Total</b>	<b>1,416</b>	<b>1,267</b>	<b>1,557</b>	<b>1,298</b>	<b>1,537</b>
Surface Water	≤ 500	17	4	34	4	34
	501 - 3,300	15	4	27	8	23
	3,301 - 10,000	10	0	22	4	19
	10,001 - 50,000	9	0	18	3	18
	> 50,000	6	3	10	3	10
	<b>SW Total</b>	<b>58</b>	<b>32</b>	<b>87</b>	<b>36</b>	<b>79</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,477</b>	<b>1,335</b>	<b>1,619</b>	<b>1,356</b>	<b>1,599</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.40.e. Mercury - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.000119	<b>0.0822%</b>	0.0409% - 0.141%	0.0437% - 0.132%	<b>0.464%</b>	0.320% - 0.619%	0.340% - 0.593%	<b>2.57%</b>	2.23% - 2.96%	2.26% - 2.89%
	501 - 3,300	0.000105	<b>0.0424%</b>	0.000% - 0.122%	0.000% - 0.108%	<b>0.361%</b>	0.179% - 0.564%	0.213% - 0.528%	<b>2.25%</b>	1.80% - 2.77%	1.87% - 2.66%
	3,301 - 10,000	0.0000957	<b>0.0321%</b>	0.000% - 0.197%	0.000% - 0.126%	<b>0.286%</b>	0.0592% - 0.642%	0.0712% - 0.566%	<b>1.92%</b>	1.23% - 2.73%	1.36% - 2.58%
	10,001 - 50,000	0.0000904	<b>0.00790%</b>	0.000% - 0.142%	0.000% - 0.000%	<b>0.175%</b>	0.000% - 0.546%	0.000% - 0.500%	<b>1.98%</b>	0.963% - 3.15%	1.12% - 2.92%
	> 50,000	0.0000593	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00678%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.411%</b>	0.000% - 2.60%	0.000% - 2.15%
	Total	0.000113	<b>0.0147%</b>	0.00224% - 0.0535%	0.00260% - 0.0442%	<b>0.151%</b>	0.0661% - 0.288%	0.0738% - 0.266%	<b>1.36%</b>	0.923% - 2.26%	0.985% - 2.00%
Surface Water	≤ 500	0.0000869	<b>0.0119%</b>	0.000% - 0.185%	0.000% - 0.000%	<b>0.108%</b>	0.000% - 0.617%	0.000% - 0.463%	<b>1.22%</b>	0.103% - 2.90%	0.245% - 2.55%
	501 - 3,300	0.0000802	<b>0.00498%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.128%</b>	0.000% - 0.558%	0.000% - 0.539%	<b>0.952%</b>	0.216% - 1.84%	0.328% - 1.75%
	3,301 - 10,000	0.0000945	<b>0.00884%</b>	0.000% - 0.237%	0.000% - 0.000%	<b>0.103%</b>	0.000% - 0.570%	0.000% - 0.351%	<b>0.978%</b>	0.000% - 2.11%	0.292% - 1.88%
	10,001 - 50,000	0.0000970	<b>0.00100%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0243%</b>	0.000% - 0.328%	0.000% - 0.274%	<b>0.834%</b>	0.000% - 1.81%	0.148% - 1.67%
	> 50,000	0.0000642	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0654%</b>	0.000% - 1.61%	0.000% - 0.168%	<b>1.86%</b>	0.334% - 2.52%	1.61% - 2.36%
	Total	0.0000860	<b>0.000429%</b>	0.000% - 0.00921%	0.000% - 0.00265%	<b>0.0624%</b>	0.000% - 1.36%	0.000% - 0.144%	<b>1.70%</b>	0.473% - 2.27%	1.40% - 2.18%
All Systems - Combined Ground & Surface Water		0.000111	<b>0.00627%</b>	0.000924% - 0.0223%	0.00112% - 0.0183%	<b>0.0987%</b>	0.0308% - 0.853%	0.0348% - 0.164%	<b>1.56%</b>	0.946% - 2.06%	1.30% - 1.95%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.40.f. Mercury - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5,300	2,700	9,100	2,800	8,600
	501 - 3,300	6,600	0	18,900	0	16,800
	3,301 - 10,000	4,400	0	27,100	0	17,300
	10,001 - 50,000	10,000	0	34,800	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	12,600	1,900	45,900	2,200	37,800
Surface Water	≤ 500	0	0	500	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	14,400	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	500	0	11,700	0	3,400
<b>Total Ground &amp; Surface Water</b>		13,400	2,000	47,400	2,400	39,000

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.40.g. Mercury - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	30,200	20,800	40,200	22,100	38,500
	501 - 3,300	56,000	27,800	87,600	33,000	82,000
	3,301 - 10,000	39,400	8,100	88,400	9,800	78,000
	10,001 - 50,000	42,800	0	133,500	0	122,300
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>129,300</b>	<b>56,700</b>	<b>246,600</b>	<b>63,200</b>	<b>227,500</b>
Surface Water	≤ 500	300	0	1,800	0	1,400
	501 - 3,300	3,600	0	15,700	0	15,200
	3,301 - 10,000	6,300	0	34,700	0	21,400
	10,001 - 50,000	10,000	0	71,700	0	59,900
	> 50,000	63,000	0	1,548,200	0	161,700
	<b>SW Total</b>	<b>79,400</b>	<b>0</b>	<b>1,726,500</b>	<b>0</b>	<b>183,400</b>
<b>Total Ground &amp; Surface Water</b>		<b>210,200</b>	<b>65,500</b>	<b>1,817,800</b>	<b>74,200</b>	<b>348,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.40.h. Mercury - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	166,900	144,900	192,400	146,600	187,800
	501 - 3,300	349,700	279,200	430,400	290,700	413,700
	3,301 - 10,000	264,300	169,200	376,200	186,900	355,500
	10,001 - 50,000	484,400	235,300	768,900	273,800	714,700
	> 50,000	104,500	0	661,800	0	548,000
	<b>GW Total</b>	<b>1,163,600</b>	<b>790,600</b>	<b>1,938,100</b>	<b>844,000</b>	<b>1,716,200</b>
Surface Water	≤ 500	3,600	300	8,500	700	7,500
	501 - 3,300	26,800	6,100	51,700	9,200	49,200
	3,301 - 10,000	59,500	0	128,500	17,700	114,600
	10,001 - 50,000	182,200	0	395,100	32,300	363,800
	> 50,000	1,791,700	322,000	2,422,400	1,548,200	2,273,100
	<b>SW Total</b>	<b>2,169,600</b>	<b>601,900</b>	<b>2,894,100</b>	<b>1,780,000</b>	<b>2,773,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,327,200</b>	<b>2,015,700</b>	<b>4,390,100</b>	<b>2,767,000</b>	<b>4,157,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.41.a. Methoxychlor - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			<b>Threshold = 0.04 mg/L</b>			<b>Threshold = 0.02 mg/L</b>		
Ground Water	≤ 500	0.0000285	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000316	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000595	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000716	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000293	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000291	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000208	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000419	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000305	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			<b>Threshold = 0.01 mg/L</b>			<b>Threshold = 0.0001 mg/L</b>		
Ground Water	≤ 500	0.0000285	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.100%</b>	0.0614% - 0.143%	0.0717% - 0.143%
	501 - 3,300	0.0000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0855%</b>	0.0307% - 0.154%	0.0614% - 0.154%
	3,301 - 10,000	0.0000316	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0668%</b>	0.000% - 0.229%	0.000% - 0.229%
	10,001 - 50,000	0.0000595	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.716%</b>	0.365% - 1.10%	0.365% - 1.10%
	> 50,000	0.0000716	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.332%</b>	0.000% - 2.00%	0.000% - 1.33%
	Total	0.0000293	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.120%</b>	0.0822% - 0.164%	0.0891% - 0.158%
Surface Water	≤ 500	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0370%</b>	0.000% - 0.337%	0.000% - 0.337%
	501 - 3,300	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0182%</b>	0.000% - 0.234%	0.000% - 0.234%
	3,301 - 10,000	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0851%</b>	0.000% - 0.355%	0.000% - 0.355%
	10,001 - 50,000	0.0000291	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.117%</b>	0.000% - 0.612%	0.000% - 0.306%
	> 50,000	0.0000208	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.49%</b>	1.28% - 3.85%	1.92% - 3.85%
	Total	0.0000419	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.316%</b>	0.201% - 0.537%	0.201% - 0.470%
All Systems - Combined Ground & Surface Water		0.0000305	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.139%</b>	0.0995% - 0.187%	0.106% - 0.174%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.41.b. Methoxychlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.04 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.41.c. Methoxychlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.02 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.41.d. Methoxychlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.01 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.41.e. Methoxychlor - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	44	27	62	31	62
	501 - 3,300	10	4	19	7	19
	3,301 - 10,000	2	0	6	0	6
	10,001 - 50,000	9	4	13	4	13
	> 50,000	1	0	4	0	3
	<b>GW Total</b>	<b>72</b>	<b>49</b>	<b>98</b>	<b>53</b>	<b>94</b>
Surface Water	≤ 500	1	0	5	0	5
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	1	0	6	0	3
	> 50,000	10	5	15	8	15
	<b>SW Total</b>	<b>18</b>	<b>11</b>	<b>30</b>	<b>11</b>	<b>26</b>
<b>Total Ground &amp; Surface Water</b>		<b>90</b>	<b>65</b>	<b>121</b>	<b>69</b>	<b>113</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "S

System estimates are rounded to the nearest whole number.

**Table C.41.f. Methoxychlor - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.04 mg/L			Threshold = 0.02 mg/L		
Ground Water	≤ 500	0.0000285	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000316	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000595	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000716	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000293	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000291	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000208	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000419	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000305	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.01 mg/L			Threshold = 0.0001 mg/L		
Ground Water	≤ 500	0.0000285	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0931%</b>	0.0567% - 0.152%	0.0600% - 0.144%
	501 - 3,300	0.0000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.132%</b>	0.0747% - 0.208%	0.110% - 0.199%
	3,301 - 10,000	0.0000316	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0678%</b>	0.000% - 0.294%	0.000% - 0.238%
	10,001 - 50,000	0.0000595	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.862%</b>	0.548% - 1.35%	0.548% - 1.25%
	> 50,000	0.0000716	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.564%</b>	0.000% - 4.85%	0.000% - 4.41%
	Total	0.0000293	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.529%</b>	0.179% - 2.43%	0.191% - 2.30%
Surface Water	≤ 500	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0481%</b>	0.000% - 0.892%	0.000% - 0.446%
	501 - 3,300	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0183%</b>	0.000% - 0.247%	0.000% - 0.185%
	3,301 - 10,000	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0743%</b>	0.000% - 0.328%	0.000% - 0.328%
	10,001 - 50,000	0.0000291	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.155%</b>	0.000% - 0.612%	0.000% - 0.461%
	> 50,000	0.0000208	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.28%</b>	0.369% - 4.10%	0.537% - 2.53%
	Total	0.0000419	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.08%</b>	0.374% - 3.42%	0.503% - 2.10%
All Systems - Combined Ground & Surface Water		0.0000305	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.849%</b>	0.370% - 2.14%	0.484% - 1.75%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.41.g. Methoxychlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.04 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.41.h. Methoxychlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.02 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.41.i. Methoxychlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.01 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.41.j. Methoxychlor - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	6,100	3,700	9,900	3,900	9,400
	501 - 3,300	20,600	11,600	32,300	17,000	30,800
	3,301 - 10,000	9,300	0	40,400	0	32,800
	10,001 - 50,000	210,700	133,900	330,500	133,900	304,800
	> 50,000	143,600	0	1,233,700	0	1,121,500
	<b>GW Total</b>	<b>452,800</b>	<b>152,900</b>	<b>2,083,800</b>	<b>163,900</b>	<b>1,974,100</b>
Surface Water	≤ 500	100	0	2,600	0	1,300
	501 - 3,300	500	0	7,000	0	5,200
	3,301 - 10,000	4,500	0	20,000	0	20,000
	10,001 - 50,000	33,800	0	133,700	0	100,800
	> 50,000	1,236,200	355,600	3,942,600	517,000	2,436,800
	<b>SW Total</b>	<b>1,378,900</b>	<b>476,200</b>	<b>4,350,700</b>	<b>640,800</b>	<b>2,673,900</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,809,100</b>	<b>787,100</b>	<b>4,562,600</b>	<b>1,030,500</b>	<b>3,734,000</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.42.a. Monochlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.1 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.0000117	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000157	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000170	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000148	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000245	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000323	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000251	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.025 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000117	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00436%</b>	0.000% - 0.0148%	0.000% - 0.0148%
	501 - 3,300	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0242%</b>	0.0236% - 0.0236%	0.0236% - 0.0236%
	3,301 - 10,000	0.0000157	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0235%</b>	0.000% - 0.0996%	0.000% - 0.0996%
	10,001 - 50,000	0.0000170	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.338%</b>	0.200% - 0.400%	0.200% - 0.400%
	> 50,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00208%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0183%</b>	0.0103% - 0.0310%	0.0103% - 0.0259%
Surface Water	≤ 500	0.0000148	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0140%</b>	0.000% - 0.332%	0.000% - 0.000%
	501 - 3,300	0.0000245	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0161%</b>	0.000% - 0.245%	0.000% - 0.245%
	3,301 - 10,000	0.0000323	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0293%</b>	0.000% - 0.376%	0.000% - 0.376%
	10,001 - 50,000	0.0000251	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0110%</b>	0.000% - 0.325%	0.000% - 0.000%
	> 50,000	0.0000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00721%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0163%</b>	0.000% - 0.0717%	0.000% - 0.0717%
All Systems - Combined Ground & Surface Water		0.0000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0182%</b>	0.00965% - 0.0338%	0.00965% - 0.0289%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.42.b. Monochlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.42.c. Monochlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.42.d. Monochlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.42.e. Monochlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2	0	6	0	6
	501 - 3,300	3	3	3	3	3
	3,301 - 10,000	1	0	2	0	2
	10,001 - 50,000	4	2	5	2	5
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>11</b>	<b>6</b>	<b>18</b>	<b>6</b>	<b>15</b>
Surface Water	≤ 500	0	0	5	0	0
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	1	0	4	0	4
	10,001 - 50,000	0	0	3	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>12</b>	<b>6</b>	<b>22</b>	<b>6</b>	<b>19</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.42.f. Monochlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population S**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.1 mg/L		Threshold = 0.05 mg/L			
Ground Water	≤ 500	0.0000117	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000157	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000170	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Surface Water	≤ 500	0.0000148	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000245	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000323	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000251	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.0000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.025 mg/L		Threshold = 0.0005 mg/L			
Ground Water	≤ 500	0.0000117	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00688%</b>	0.000% - 0.0287%	0.000% - 0.0222%	
	501 - 3,300	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0297%</b>	0.0290% - 0.0290%	0.0290% - 0.0290%	
	3,301 - 10,000	0.0000157	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0308%</b>	0.000% - 0.159%	0.000% - 0.159%	
	10,001 - 50,000	0.0000170	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.644%</b>	0.309% - 0.798%	0.309% - 0.798%	
	> 50,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00235%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.190%</b>	0.0904% - 0.260%	0.0904% - 0.252%	
Surface Water	≤ 500	0.0000148	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00691%</b>	0.000% - 0.162%	0.000% - 0.000%	
	501 - 3,300	0.0000245	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0148%</b>	0.000% - 0.236%	0.000% - 0.127%	
	3,301 - 10,000	0.0000323	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0281%</b>	0.000% - 0.453%	0.000% - 0.309%	
	10,001 - 50,000	0.0000251	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00919%</b>	0.000% - 0.249%	0.000% - 0.000%	
	> 50,000	0.0000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00191%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000240	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00463%</b>	0.000% - 0.0541%	0.000% - 0.0216%	
All Systems - Combined Ground & Surface Water		0.0000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0963%</b>	0.0447% - 0.140%	0.0447% - 0.130%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.42.g. Monochlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.42.h. Monochlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.42.i. Monochlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.42.j. Monochlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	400	0	1,900	0	1,400
	501 - 3,300	4,600	4,500	4,500	4,500	4,500
	3,301 - 10,000	4,200	0	21,900	0	21,900
	10,001 - 50,000	157,400	75,400	195,100	75,400	195,100
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>162,800</b>	<b>77,400</b>	<b>222,900</b>	<b>77,400</b>	<b>215,700</b>
Surface Water	≤ 500	0	0	500	0	0
	501 - 3,300	500	0	6,700	0	3,600
	3,301 - 10,000	3,300	0	27,500	0	18,800
	10,001 - 50,000	0	0	54,300	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>5,900</b>	<b>0</b>	<b>68,800</b>	<b>0</b>	<b>27,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>205,100</b>	<b>95,200</b>	<b>298,000</b>	<b>95,200</b>	<b>276,700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.43.a. Oxamyl - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.2 mg/L			Threshold = 0.04 mg/L			Threshold = 0.03 mg/L		
Ground Water	≤ 500	0.0000246	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000365	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000411	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000957	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Total		0.0000291	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Surface Water	≤ 500	0.0000117	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000303	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000297	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000283	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Total		0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.02 mg/L			Threshold = 0.007 mg/L		
Ground Water	≤ 500	0.0000246	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000531%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000365	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000411	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000395%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000957	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
Total		0.0000291	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000509%</b>	0.000% - 0.000%	0.000% - 0.000%	
Surface Water	≤ 500	0.0000117	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000303	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000297	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000283	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000509%</b>	0.000% - 0.000%	0.000% - 0.000%	
Total		0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000456%</b>	0.000% - 0.000%	0.000% - 0.000%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.43.b. Oxamyl - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.43.c. Oxamyl - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.04 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.43.d. Oxamyl - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.03 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.43.e. Oxamyl - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.02 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.43.f. Oxamyl - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	1	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		1	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.43.g. Oxamyl - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
Threshold = 0.2 mg/L											
Ground Water	≤ 500	0.0000246	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000365	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000411	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000957	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000291	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Threshold = 0.04 mg/L											
Surface Water	≤ 500	0.0000117	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000303	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000297	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000283	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Threshold = 0.03 mg/L											
All Systems - Combined Ground & Surface Water		0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
Threshold = 0.02 mg/L								
Ground Water	≤ 500	0.0000246	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000369%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000365	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000139	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000411	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000264%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000957	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000291	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000777%</b>	0.000% - 0.000%	0.000% - 0.000%
Threshold = 0.007 mg/L								
Surface Water	≤ 500	0.0000117	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000303	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000297	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000283	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000216	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000323%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.43.h. Oxamyl - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.43.i. Oxamyl - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.04 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.43.j. Oxamyl - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.03 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.43.k. Oxamyl - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.02 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.43.I. Oxamyl - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.007 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<100	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		<100	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.44.a. PCBs - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.0005 mg/L			Threshold = 0.00025 mg/L		
Ground Water	≤ 500	0.00000237	<b>0.00440%</b>	0.000% - 0.0210%	0.000% - 0.0210%	<b>0.0128%</b>	0.000% - 0.0210%	0.000% - 0.0210%
	501 - 3,300	0.00000150	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000312%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000318%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000437	<b>0.00294%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0668%</b>	0.000% - 0.210%	0.000% - 0.210%
	> 50,000	0.00000430	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000227	<b>0.00283%</b>	0.000% - 0.0126%	0.000% - 0.0126%	<b>0.0118%</b>	0.000% - 0.0252%	0.000% - 0.0252%
<hr/>								
Surface Water	≤ 500	0.00000249	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000150	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000394	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000235	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000823	<b>0.0785%</b>	0.000% - 0.741%	0.000% - 0.741%	<b>0.347%</b>	0.000% - 0.741%	0.000% - 0.741%
	Total	0.00000318	<b>0.0104%</b>	0.000% - 0.0977%	0.000% - 0.0977%	<b>0.0457%</b>	0.000% - 0.0977%	0.000% - 0.0977%
<hr/>								
All Systems - Combined Ground & Surface Water		0.00000237	<b>0.00369%</b>	0.000% - 0.0224%	0.000% - 0.0112%	<b>0.0157%</b>	0.000% - 0.0335%	0.000% - 0.0335%
<hr/>								
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.000125 mg/L			Threshold = 0.0001 mg/L		
Ground Water	≤ 500	0.00000237	<b>0.0261%</b>	0.000% - 0.0628%	0.000% - 0.0628%	<b>0.0350%</b>	0.000% - 0.0838%	0.0210% - 0.0838%
	501 - 3,300	0.00000150	<b>0.00229%</b>	0.000% - 0.0519%	0.000% - 0.000%	<b>0.00384%</b>	0.000% - 0.0519%	0.000% - 0.0519%
	3,301 - 10,000	0.00000186	<b>0.00223%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00477%</b>	0.000% - 0.159%	0.000% - 0.000%
	10,001 - 50,000	0.00000437	<b>0.201%</b>	0.000% - 0.420%	0.000% - 0.420%	<b>0.238%</b>	0.000% - 0.420%	0.210% - 0.420%
	> 50,000	0.00000430	<b>0.0248%</b>	0.000% - 0.826%	0.000% - 0.000%	<b>0.0529%</b>	0.000% - 0.826%	0.000% - 0.826%
	Total	0.00000227	<b>0.0289%</b>	0.0126% - 0.0631%	0.0126% - 0.0505%	<b>0.0375%</b>	0.0126% - 0.0757%	0.0126% - 0.0757%
<hr/>								
Surface Water	≤ 500	0.00000249	<b>0.00313%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00729%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000150	<b>0.000662%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00265%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000394	<b>0.00995%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0276%</b>	0.000% - 0.553%	0.000% - 0.553%
	10,001 - 50,000	0.00000235	<b>0.00280%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00561%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000823	<b>0.676%</b>	0.000% - 1.48%	0.000% - 1.48%	<b>0.767%</b>	0.000% - 1.48%	0.000% - 1.48%
	Total	0.00000318	<b>0.0922%</b>	0.000% - 0.195%	0.000% - 0.195%	<b>0.109%</b>	0.000% - 0.195%	0.000% - 0.195%
<hr/>								
All Systems - Combined Ground & Surface Water		0.00000237	<b>0.0361%</b>	0.0112% - 0.0670%	0.0224% - 0.0559%	<b>0.0457%</b>	0.0224% - 0.0894%	0.0224% - 0.0782%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.44.b. PCBs - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2	0	9	0	9
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>8</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>5</b>
<b>Total Ground &amp; Surface Water</b>		<b>2</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>7</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.44.c. PCBs - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	6	0	9	0	9
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	1	0	3	0	3
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>7</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>15</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>3</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>5</b>
<b>Total Ground &amp; Surface Water</b>		<b>10</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>22</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.44.d. PCBs - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.000125 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	11	0	27	0	27
	501 - 3,300	1	0	6	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	0	5	0	5
	> 50,000	0	0	2	0	0
	<b>GW Total</b>	<b>17</b>	<b>8</b>	<b>37</b>	<b>8</b>	<b>30</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	3	0	6	0	6
	<b>SW Total</b>	<b>5</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>11</b>
<b>Total Ground &amp; Surface Water</b>		<b>23</b>	<b>7</b>	<b>44</b>	<b>15</b>	<b>36</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.44.e. PCBs - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	15	0	36	9	36
	501 - 3,300	1	0	6	0	6
	3,301 - 10,000	0	0	4	0	0
	10,001 - 50,000	3	0	5	3	5
	> 50,000	0	0	2	0	2
	<b>GW Total</b>	<b>22</b>	<b>8</b>	<b>45</b>	<b>8</b>	<b>45</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	6	0	6
	10,001 - 50,000	0	0	0	0	0
	> 50,000	3	0	6	0	6
	<b>SW Total</b>	<b>6</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>11</b>
<b>Total Ground &amp; Surface Water</b>		<b>30</b>	<b>15</b>	<b>58</b>	<b>15</b>	<b>51</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.44.f. PCBs - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.0005 mg/L			Threshold = 0.00025 mg/L		
Ground Water	≤ 500	0.00000237	<b>0.00101%</b>	0.000% - 0.00480%	0.000% - 0.00480%	<b>0.00328%</b>	0.000% - 0.0105%	0.000% - 0.00480%
	501 - 3,300	0.00000150	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000415%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000418%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000437	<b>0.00164%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0371%</b>	0.000% - 0.117%	0.000% - 0.117%
	> 50,000	0.00000430	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000227	<b>0.000536%</b>	0.000% - 0.000111%	0.000% - 0.000111%	<b>0.0118%</b>	0.000% - 0.0367%	0.000% - 0.0367%
Surface Water	≤ 500	0.00000249	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000150	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000394	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000235	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000823	<b>0.0575%</b>	0.000% - 0.543%	0.000% - 0.543%	<b>0.253%</b>	0.000% - 0.543%	0.000% - 0.543%
	Total	0.00000318	<b>0.0496%</b>	0.000% - 0.468%	0.000% - 0.468%	<b>0.218%</b>	0.000% - 0.468%	0.000% - 0.468%
All Systems - Combined Ground & Surface Water		0.00000237	<b>0.0297%</b>	0.000% - 0.278%	0.000% - 0.278%	<b>0.135%</b>	0.000% - 0.293%	0.000% - 0.293%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.000125 mg/L			Threshold = 0.0001 mg/L		
Ground Water	≤ 500	0.00000237	<b>0.0123%</b>	0.000% - 0.0566%	0.000% - 0.0408%	<b>0.0205%</b>	0.000% - 0.0900%	0.00480% - 0.0692%
	501 - 3,300	0.00000150	<b>0.00247%</b>	0.000% - 0.0378%	0.000% - 0.000%	<b>0.00380%</b>	0.000% - 0.0604%	0.000% - 0.0299%
	3,301 - 10,000	0.00000186	<b>0.00206%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00430%</b>	0.000% - 0.105%	0.000% - 0.000%
	10,001 - 50,000	0.00000437	<b>0.120%</b>	0.000% - 0.365%	0.000% - 0.271%	<b>0.150%</b>	0.000% - 0.541%	0.117% - 0.410%
	> 50,000	0.00000430	<b>0.0122%</b>	0.000% - 0.334%	0.000% - 0.000%	<b>0.0325%</b>	0.000% - 0.433%	0.000% - 0.334%
	Total	0.00000227	<b>0.0442%</b>	0.000111% - 0.196%	0.000111% - 0.127%	<b>0.0638%</b>	0.000508% - 0.255%	0.0366% - 0.198%
Surface Water	≤ 500	0.00000249	<b>0.00263%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00908%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000150	<b>0.000223%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00192%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000394	<b>0.00838%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0230%</b>	0.000% - 0.424%	0.000% - 0.307%
	10,001 - 50,000	0.00000235	<b>0.00302%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00695%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000823	<b>0.488%</b>	0.000% - 1.19%	0.000% - 0.831%	<b>0.564%</b>	0.000% - 1.26%	0.000% - 1.19%
	Total	0.00000318	<b>0.422%</b>	0.000% - 1.03%	0.000% - 0.717%	<b>0.488%</b>	0.000% - 1.09%	0.000% - 1.03%
All Systems - Combined Ground & Surface Water		0.00000237	<b>0.269%</b>	0.0148% - 0.626%	0.0149% - 0.442%	<b>0.316%</b>	0.0149% - 0.692%	0.0149% - 0.626%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.44.g. PCBs - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	100	0	300	0	300
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>500</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	55,400	0	522,300	0	522,300
	<b>SW Total</b>	<b>63,200</b>	<b>0</b>	<b>596,000</b>	<b>0</b>	<b>596,000</b>
<b>Total Ground &amp; Surface Water</b>		<b>63,300</b>	<b>0</b>	<b>593,000</b>	<b>0</b>	<b>593,000</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.44.h. PCBs - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	200	0	700	0	300
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	10,000	0	28,500	0	28,500
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>10,100</b>	<b>0</b>	<b>31,500</b>	<b>0</b>	<b>31,500</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	243,400	0	522,300	0	522,300
	<b>SW Total</b>	<b>277,800</b>	<b>0</b>	<b>596,000</b>	<b>0</b>	<b>596,000</b>
<b>Total Ground &amp; Surface Water</b>		<b>286,500</b>	<b>0</b>	<b>624,500</b>	<b>0</b>	<b>624,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.44.i. PCBs - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.000125 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	800	0	3,700	0	2,700
	501 - 3,300	500	0	5,900	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	29,400	0	89,100	0	66,300
	> 50,000	0	0	85,100	0	0
	<b>GW Total</b>	<b>37,800</b>	<b>100</b>	<b>167,900</b>	<b>100</b>	<b>108,600</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	470,200	0	1,147,600	0	799,900
	<b>SW Total</b>	<b>537,200</b>	<b>0</b>	<b>1,308,900</b>	<b>0</b>	<b>912,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>572,600</b>	<b>31,600</b>	<b>1,334,100</b>	<b>31,700</b>	<b>940,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.44.j. PCBs - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,300	0	5,800	300	4,500
	501 - 3,300	600	0	9,400	0	4,600
	3,301 - 10,000	0	0	14,400	0	0
	10,001 - 50,000	36,700	0	132,200	28,500	100,300
	> 50,000	0	0	110,100	0	85,100
	<b>GW Total</b>	<b>54,600</b>	<b>400</b>	<b>218,100</b>	<b>31,400</b>	<b>169,600</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	25,800	0	18,700
	10,001 - 50,000	0	0	0	0	0
	> 50,000	543,300	0	1,214,100	0	1,147,600
	<b>SW Total</b>	<b>621,600</b>	<b>0</b>	<b>1,385,300</b>	<b>0</b>	<b>1,308,900</b>
<b>Total Ground &amp; Surface Water</b>		<b>673,300</b>	<b>31,700</b>	<b>1,473,200</b>	<b>31,700</b>	<b>1,334,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.45.a. Pentachlorophenol - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.001 mg/L		Threshold = 0.0005 mg/L			
Ground Water	≤ 500	0.00000266	<b>0.00131%</b>	0.000% - 0.0111%	0.000% - 0.0111%	<b>0.00450%</b>	0.000% - 0.0222%	0.000% - 0.0222%	
	501 - 3,300	0.00000755	<b>0.00375%</b>	0.000% - 0.0335%	0.000% - 0.0335%	<b>0.0217%</b>	0.000% - 0.0335%	0.000% - 0.0335%	
	3,301 - 10,000	0.00000754	<b>0.000243%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000971%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.00000863	<b>0.000781%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000781%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.00000241	<b>0.00411%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00822%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.00000450	<b>0.00179%</b>	0.000% - 0.00741%	0.000% - 0.00741%	<b>0.00799%</b>	0.000% - 0.0222%	0.000% - 0.0148%	
Surface Water	≤ 500	0.00000774	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000830%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.00000809	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00103%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.00000113	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00154%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.00000127	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00127%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.00000316	<b>0.00138%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00690%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.00000122	<b>0.000148%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00178%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.00000520	<b>0.00164%</b>	0.000% - 0.00674%	0.000% - 0.00674%	<b>0.00743%</b>	0.000% - 0.0202%	0.000% - 0.0202%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.00025 mg/L		Threshold = 0.00004 mg/L			
Ground Water	≤ 500	0.00000266	<b>0.0124%</b>	0.000% - 0.0333%	0.000% - 0.0333%	<b>0.0814%</b>	0.0444% - 0.122%	0.0444% - 0.122%	
	501 - 3,300	0.00000755	<b>0.0370%</b>	0.000% - 0.0670%	0.0335% - 0.0670%	<b>0.184%</b>	0.0670% - 0.368%	0.0670% - 0.335%	
	3,301 - 10,000	0.00000754	<b>0.00413%</b>	0.000% - 0.121%	0.000% - 0.000%	<b>0.201%</b>	0.000% - 0.607%	0.000% - 0.485%	
	10,001 - 50,000	0.00000863	<b>0.00547%</b>	0.000% - 0.195%	0.000% - 0.000%	<b>0.187%</b>	0.000% - 0.586%	0.000% - 0.586%	
	> 50,000	0.00000241	<b>0.0315%</b>	0.000% - 0.685%	0.000% - 0.000%	<b>1.01%</b>	0.000% - 2.74%	0.000% - 2.74%	
	Total	0.00000450	<b>0.0173%</b>	0.00741% - 0.0371%	0.00741% - 0.0297%	<b>0.126%</b>	0.0741% - 0.193%	0.0816% - 0.178%	
Surface Water	≤ 500	0.00000774	<b>0.00249%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.264%</b>	0.000% - 1.25%	0.000% - 0.830%	
	501 - 3,300	0.00000809	<b>0.00925%</b>	0.000% - 0.257%	0.000% - 0.000%	<b>0.229%</b>	0.000% - 0.771%	0.000% - 0.514%	
	3,301 - 10,000	0.00000113	<b>0.00309%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.337%</b>	0.000% - 1.16%	0.000% - 1.16%	
	10,001 - 50,000	0.00000127	<b>0.00380%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.342%</b>	0.000% - 0.949%	0.000% - 0.949%	
	> 50,000	0.00000316	<b>0.0524%</b>	0.000% - 0.690%	0.000% - 0.690%	<b>1.18%</b>	0.000% - 3.45%	0.000% - 2.76%	
	Total	0.00000122	<b>0.0102%</b>	0.000% - 0.0741%	0.000% - 0.0741%	<b>0.384%</b>	0.0741% - 0.741%	0.148% - 0.667%	
All Systems - Combined Ground & Surface Water		0.00000520	<b>0.0167%</b>	0.00674% - 0.0337%	0.00674% - 0.0337%	<b>0.149%</b>	0.0944% - 0.209%	0.101% - 0.202%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.45.b. Pentachlorophenol - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1	0	5	0	5
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.45.c. Pentachlorophenol - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2	0	10	0	10
	501 - 3,300	3	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>5</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>9</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>5</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>13</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.45.d. Pentachlorophenol - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5	0	14	0	14
	501 - 3,300	4	0	8	4	8
	3,301 - 10,000	0	0	3	0	0
	10,001 - 50,000	0	0	2	0	0
	> 50,000	0	0	1	0	0
	<b>GW Total</b>	<b>10</b>	<b>4</b>	<b>22</b>	<b>4</b>	<b>18</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	1	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	3	0	3
	<b>SW Total</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>11</b>	<b>4</b>	<b>22</b>	<b>4</b>	<b>22</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.45.e. Pentachlorophenol - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	35	19	53	19	53
	501 - 3,300	22	8	45	8	41
	3,301 - 10,000	5	0	15	0	12
	10,001 - 50,000	2	0	7	0	7
	> 50,000	2	0	5	0	5
	<b>GW Total</b>	<b>75</b>	<b>44</b>	<b>115</b>	<b>48</b>	<b>106</b>
Surface Water	≤ 500	4	0	19	0	13
	501 - 3,300	4	0	13	0	9
	3,301 - 10,000	3	0	12	0	12
	10,001 - 50,000	3	0	9	0	9
	> 50,000	5	0	14	0	11
	<b>SW Total</b>	<b>21</b>	<b>4</b>	<b>41</b>	<b>8</b>	<b>37</b>
<b>Total Ground &amp; Surface Water</b>		<b>97</b>	<b>61</b>	<b>136</b>	<b>66</b>	<b>131</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.45.f. Pentachlorophenol - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.00000266	<b>0.00138%</b>	0.000% - 0.0179%	0.000% - 0.0179%	<b>0.00398%</b>	0.000% - 0.0207%	0.000% - 0.0207%	
	501 - 3,300	0.00000755	<b>0.00275%</b>	0.000% - 0.0248%	0.000% - 0.0248%	<b>0.0161%</b>	0.000% - 0.0248%	0.000% - 0.0248%	
	3,301 - 10,000	0.00000754	<b>0.000335%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00104%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.00000863	<b>0.000865%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000865%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.00000241	<b>0.00274%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00633%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.00000450	<b>0.00188%</b>	0.000% - 0.00243%	0.000% - 0.00243%	<b>0.00505%</b>	0.000% - 0.00792%	0.000% - 0.00317%	
Surface Water	≤ 500	0.00000774	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000524%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.00000809	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00107%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.00000113	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00148%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.00000127	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00176%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.00000316	<b>0.000538%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00364%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.00000122	<b>0.000445%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00330%</b>	0.000% - 0.000%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.00000520	<b>0.00105%</b>	0.000% - 0.00129%	0.000% - 0.00103%	<b>0.00404%</b>	0.000% - 0.0394%	0.000% - 0.00255%	
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.00025 mg/L			Threshold = 0.00004 mg/L		
Ground Water	≤ 500	0.00000266	<b>0.00919%</b>	0.000% - 0.0346%	0.000% - 0.0271%	<b>0.0869%</b>	0.0350% - 0.151%	0.0412% - 0.142%	
	501 - 3,300	0.00000755	<b>0.0279%</b>	0.000% - 0.0648%	0.0248% - 0.0525%	<b>0.183%</b>	0.0492% - 0.379%	0.0543% - 0.341%	
	3,301 - 10,000	0.00000754	<b>0.00353%</b>	0.000% - 0.0808%	0.000% - 0.000%	<b>0.188%</b>	0.000% - 0.609%	0.000% - 0.468%	
	10,001 - 50,000	0.00000863	<b>0.00630%</b>	0.000% - 0.0993%	0.000% - 0.000%	<b>0.183%</b>	0.000% - 0.714%	0.000% - 0.600%	
	> 50,000	0.00000241	<b>0.0294%</b>	0.000% - 0.407%	0.000% - 0.000%	<b>1.35%</b>	0.000% - 4.21%	0.000% - 3.53%	
	Total	0.00000450	<b>0.0190%</b>	0.00243% - 0.192%	0.00243% - 0.106%	<b>0.725%</b>	0.0280% - 2.11%	0.0481% - 1.75%	
Surface Water	≤ 500	0.00000774	<b>0.00185%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.425%</b>	0.000% - 1.87%	0.000% - 1.59%	
	501 - 3,300	0.00000809	<b>0.00941%</b>	0.000% - 0.102%	0.000% - 0.000%	<b>0.202%</b>	0.000% - 0.814%	0.000% - 0.670%	
	3,301 - 10,000	0.00000113	<b>0.00277%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.347%</b>	0.000% - 1.27%	0.000% - 1.04%	
	10,001 - 50,000	0.00000127	<b>0.00325%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.350%</b>	0.000% - 1.27%	0.000% - 1.11%	
	> 50,000	0.00000316	<b>0.0261%</b>	0.000% - 0.252%	0.000% - 0.163%	<b>0.730%</b>	0.000% - 3.95%	0.000% - 3.52%	
	Total	0.00000122	<b>0.0222%</b>	0.000% - 0.208%	0.000% - 0.135%	<b>0.662%</b>	0.00570% - 3.31%	0.0217% - 2.96%	
All Systems - Combined Ground & Surface Water		0.00000520	<b>0.0208%</b>	0.00103% - 0.175%	0.00103% - 0.110%	<b>0.689%</b>	0.0835% - 2.135%	0.118% - 1.895%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.45.g. Pentachlorophenol - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	100	0	1,200	0	1,200
	501 - 3,300	500	0	3,800	0	3,800
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1,600</b>	<b>0</b>	<b>2,100</b>	<b>0</b>	<b>2,100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>2,200</b>	<b>0</b>	<b>2,700</b>	<b>0</b>	<b>2,200</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.45.h. Pentachlorophenol - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	300	0	1,300	0	1,300
	501 - 3,300	2,500	0	3,800	0	3,800
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>4,300</b>	<b>0</b>	<b>6,800</b>	<b>0</b>	<b>2,700</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>8,600</b>	<b>0</b>	<b>84,000</b>	<b>0</b>	<b>5,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.45.i. Pentachlorophenol - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	600	0	2,300	0	1,800
	501 - 3,300	4,300	0	10,100	3,800	8,200
	3,301 - 10,000	0	0	11,100	0	0
	10,001 - 50,000	0	0	24,300	0	0
	> 50,000	0	0	103,500	0	0
	<b>GW Total</b>	<b>16,300</b>	<b>2,100</b>	<b>164,900</b>	<b>2,100</b>	<b>90,900</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	500	0	2,900	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	242,500	0	156,800
	<b>SW Total</b>	<b>28,200</b>	<b>0</b>	<b>265,000</b>	<b>0</b>	<b>171,400</b>
<b>Total Ground &amp; Surface Water</b>		<b>44,300</b>	<b>2,200</b>	<b>371,700</b>	<b>2,200</b>	<b>234,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.45.j. Pentachlorophenol - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.00004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	5,600	2,300	9,800	2,700	9,200
	501 - 3,300	28,500	7,600	58,800	8,400	52,900
	3,301 - 10,000	25,800	0	83,800	0	64,500
	10,001 - 50,000	44,800	0	174,400	0	146,600
	> 50,000	343,000	0	1,071,400	0	897,400
	<b>GW Total</b>	<b>621,200</b>	<b>24,000</b>	<b>1,803,600</b>	<b>41,200</b>	<b>1,502,900</b>
Surface Water	≤ 500	1,200	0	5,500	0	4,700
	501 - 3,300	5,700	0	22,900	0	18,900
	3,301 - 10,000	21,100	0	77,100	0	63,300
	10,001 - 50,000	76,400	0	276,900	0	242,800
	> 50,000	703,200	0	3,802,000	0	3,385,200
	<b>SW Total</b>	<b>843,400</b>	<b>7,300</b>	<b>4,218,300</b>	<b>27,700</b>	<b>3,763,800</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,467,400</b>	<b>177,800</b>	<b>4,547,700</b>	<b>252,000</b>	<b>4,036,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.46.a. Picloram - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 1.00 mg/L			Threshold = 0.50 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.00000181	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000182	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000307	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000200	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.00000363	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000104	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000595	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000370	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000302	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000599	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.46.b. Picloram - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1.00 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.46.c. Picloram - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.50 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.46.d. Picloram - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.46.e. Picloram - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 1.00 mg/L			Threshold = 0.50 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.00000181	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000182	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000307	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000200	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.00000363	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000104	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000595	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000370	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.00000302	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000599	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.46.f. Picloram - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1.0 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.46.g. Picloram - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.46.h. Picloram - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.47.a. Selenium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.05 mg/L			Threshold = 0.025 mg/L		
Ground Water	≤ 500	0.00142	<b>0.0347%</b>	0.00970% - 0.0679%	0.00970% - 0.0582%	<b>0.171%</b>	0.107% - 0.243%	0.116% - 0.233%
	501 - 3,300	0.00156	<b>0.0242%</b>	0.000% - 0.0889%	0.000% - 0.0593%	<b>0.212%</b>	0.0889% - 0.356%	0.0889% - 0.326%
	3,301 - 10,000	0.00128	<b>0.00383%</b>	0.000% - 0.107%	0.000% - 0.000%	<b>0.0841%</b>	0.000% - 0.320%	0.000% - 0.213%
	10,001 - 50,000	0.000865	<b>0.000719%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00755%</b>	0.000% - 0.180%	0.000% - 0.000%
	> 50,000	0.000444	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00141	<b>0.0289%</b>	0.00653% - 0.0522%	0.0131% - 0.0522%	<b>0.167%</b>	0.111% - 0.222%	0.118% - 0.215%
Surface Water	≤ 500	0.00126	<b>0.0174%</b>	0.000% - 0.290%	0.000% - 0.290%	<b>0.0991%</b>	0.000% - 0.290%	0.000% - 0.290%
	501 - 3,300	0.00130	<b>0.00185%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0342%</b>	0.000% - 0.231%	0.000% - 0.231%
	3,301 - 10,000	0.00152	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00827%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.000876	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00128	<b>0.00455%</b>	0.000% - 0.0668%	0.000% - 0.0668%	<b>0.0342%</b>	0.000% - 0.134%	0.000% - 0.134%
All Systems - Combined Ground & Surface Water		0.00140	<b>0.0267%</b>	0.00595% - 0.0476%	0.0119% - 0.0476%	<b>0.155%</b>	0.101% - 0.208%	0.113% - 0.202%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.0125 mg/L			Threshold = 0.005 mg/L		
Ground Water	≤ 500	0.00142	<b>0.783%</b>	0.640% - 0.941%	0.650% - 0.912%	<b>4.99%</b>	4.59% - 5.36%	4.68% - 5.32%
	501 - 3,300	0.00156	<b>1.00%</b>	0.771% - 1.28%	0.801% - 1.25%	<b>6.11%</b>	5.46% - 6.82%	5.54% - 6.67%
	3,301 - 10,000	0.00128	<b>0.718%</b>	0.320% - 1.17%	0.320% - 1.17%	<b>5.10%</b>	4.15% - 6.07%	4.26% - 6.07%
	10,001 - 50,000	0.000865	<b>0.228%</b>	0.000% - 0.719%	0.000% - 0.540%	<b>2.78%</b>	1.98% - 3.78%	1.98% - 3.60%
	> 50,000	0.000444	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.355%</b>	0.000% - 1.36%	0.000% - 1.36%
	Total	0.00141	<b>0.800%</b>	0.692% - 0.920%	0.705% - 0.907%	<b>5.12%</b>	4.83% - 5.42%	4.86% - 5.38%
Surface Water	≤ 500	0.00126	<b>0.370%</b>	0.000% - 0.870%	0.000% - 0.870%	<b>3.38%</b>	1.74% - 5.22%	2.03% - 4.93%
	501 - 3,300	0.00130	<b>0.243%</b>	0.000% - 0.693%	0.000% - 0.693%	<b>3.99%</b>	2.54% - 5.54%	2.77% - 5.08%
	3,301 - 10,000	0.00152	<b>0.208%</b>	0.000% - 0.752%	0.000% - 0.752%	<b>4.49%</b>	2.63% - 6.77%	3.01% - 6.39%
	10,001 - 50,000	0.00130	<b>0.0698%</b>	0.000% - 0.336%	0.000% - 0.336%	<b>3.17%</b>	1.68% - 4.70%	2.01% - 4.70%
	> 50,000	0.000876	<b>0.0831%</b>	0.000% - 0.649%	0.000% - 0.649%	<b>1.97%</b>	0.649% - 3.90%	0.649% - 3.25%
	Total	0.00128	<b>0.215%</b>	0.0668% - 0.468%	0.0668% - 0.401%	<b>3.57%</b>	2.81% - 4.41%	2.94% - 4.21%
All Systems - Combined Ground & Surface Water		0.00140	<b>0.748%</b>	0.648% - 0.856%	0.660% - 0.844%	<b>4.98%</b>	4.70% - 5.26%	4.73% - 5.23%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.47.b. Selenium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	15	4	30	4	25
	501 - 3,300	3	0	11	0	7
	3,301 - 10,000	0	0	3	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>17</b>	<b>4</b>	<b>31</b>	<b>8</b>	<b>31</b>
Surface Water	≤ 500	0	0	4	0	4
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>
<b>Total Ground &amp; Surface Water</b>		<b>17</b>	<b>4</b>	<b>31</b>	<b>8</b>	<b>31</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.47.c. Selenium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	74	46	105	51	101
	501 - 3,300	26	11	43	11	40
	3,301 - 10,000	2	0	8	0	5
	10,001 - 50,000	0	0	2	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>99</b>	<b>66</b>	<b>132</b>	<b>70</b>	<b>128</b>
Surface Water	≤ 500	2	0	4	0	4
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>
<b>Total Ground &amp; Surface Water</b>		<b>101</b>	<b>66</b>	<b>135</b>	<b>73</b>	<b>131</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.47.d. Selenium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0125 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	341	278	409	283	397
	501 - 3,300	122	94	155	97	151
	3,301 - 10,000	17	8	28	8	28
	10,001 - 50,000	3	0	9	0	6
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>475</b>	<b>411</b>	<b>547</b>	<b>419</b>	<b>539</b>
Surface Water	≤ 500	6	0	13	0	13
	501 - 3,300	4	0	12	0	12
	3,301 - 10,000	2	0	8	0	8
	10,001 - 50,000	1	0	3	0	3
	> 50,000	0	0	3	0	3
	<b>SW Total</b>	<b>12</b>	<b>4</b>	<b>26</b>	<b>4</b>	<b>22</b>
<b>Total Ground &amp; Surface Water</b>		<b>486</b>	<b>421</b>	<b>557</b>	<b>429</b>	<b>549</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.47.e. Selenium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	2,171	1,996	2,329	2,034	2,312
	501 - 3,300	742	663	829	674	811
	3,301 - 10,000	123	100	146	102	146
	10,001 - 50,000	33	24	45	24	43
	> 50,000	1	0	3	0	3
	<b>GW Total</b>	<b>3,043</b>	<b>2,870</b>	<b>3,219</b>	<b>2,890</b>	<b>3,200</b>
Surface Water	≤ 500	52	27	80	31	76
	501 - 3,300	68	43	95	47	87
	3,301 - 10,000	45	27	68	30	65
	10,001 - 50,000	30	16	44	19	44
	> 50,000	8	3	16	3	13
	<b>SW Total</b>	<b>199</b>	<b>157</b>	<b>247</b>	<b>164</b>	<b>235</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,239</b>	<b>3,058</b>	<b>3,422</b>	<b>3,077</b>	<b>3,398</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.47.f. Selenium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.05 mg/L					Threshold = 0.025 mg/L			
Ground Water	≤ 500	0.00142	<b>0.0224%</b>	0.00334% - 0.0657%	0.00334% - 0.0563%	<b>0.161%</b>	0.0733% - 0.256%	0.0854% - 0.243%				
	501 - 3,300	0.00156	<b>0.0244%</b>	0.000% - 0.0988%	0.000% - 0.0823%	<b>0.214%</b>	0.0767% - 0.368%	0.0965% - 0.339%				
	3,301 - 10,000	0.00128	<b>0.00371%</b>	0.000% - 0.0720%	0.000% - 0.000%	<b>0.0864%</b>	0.000% - 0.319%	0.000% - 0.282%				
	10,001 - 50,000	0.000865	<b>0.000349%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00515%</b>	0.000% - 0.0909%	0.000% - 0.000%				
	> 50,000	0.000444	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%				
	Total	0.00141	<b>0.00408%</b>	0.000178% - 0.0149%	0.000192% - 0.0124%	<b>0.0421%</b>	0.0163% - 0.0790%	0.0202% - 0.0734%				
Surface Water	≤ 500	0.00126	<b>0.0105%</b>	0.000% - 0.173%	0.000% - 0.173%	<b>0.0589%</b>	0.000% - 0.173%	0.000% - 0.173%				
	501 - 3,300	0.00130	<b>0.000742%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0157%</b>	0.000% - 0.146%	0.000% - 0.0927%				
	3,301 - 10,000	0.00152	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00590%</b>	0.000% - 0.000%	0.000% - 0.000%				
	10,001 - 50,000	0.00130	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%				
	> 50,000	0.000876	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%				
	Total	0.00128	<b>0.0000199%</b>	0.000% - 0.000181%	0.000% - 0.000181%	<b>0.000407%</b>	0.000% - 0.00220%	0.000% - 0.00176%				
All Systems - Combined Ground & Surface Water		0.00140	<b>0.00167%</b>	0.0000781% - 0.00605%	0.0000781% - 0.00502%	<b>0.0173%</b>	0.00671% - 0.0321%	0.00855% - 0.0298%				
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.0125 mg/L					Threshold = 0.005 mg/L			
Ground Water	≤ 500	0.00142	<b>0.774%</b>	0.592% - 0.988%	0.618% - 0.955%	<b>5.09%</b>	4.62% - 5.53%	4.68% - 5.50%				
	501 - 3,300	0.00156	<b>0.989%</b>	0.708% - 1.27%	0.748% - 1.24%	<b>5.85%</b>	5.13% - 6.61%	5.25% - 6.46%				
	3,301 - 10,000	0.00128	<b>0.728%</b>	0.274% - 1.24%	0.345% - 1.16%	<b>5.07%</b>	4.08% - 6.12%	4.22% - 5.95%				
	10,001 - 50,000	0.000865	<b>0.227%</b>	0.000% - 0.640%	0.000% - 0.590%	<b>2.50%</b>	1.70% - 3.40%	1.80% - 3.26%				
	> 50,000	0.000444	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.173%</b>	0.000% - 0.697%	0.000% - 0.627%				
	Total	0.00141	<b>0.298%</b>	0.178% - 0.444%	0.189% - 0.423%	<b>2.29%</b>	1.95% - 2.66%	2.01% - 2.61%				
Surface Water	≤ 500	0.00126	<b>0.258%</b>	0.000% - 0.892%	0.000% - 0.767%	<b>3.66%</b>	1.53% - 6.19%	1.78% - 5.82%				
	501 - 3,300	0.00130	<b>0.176%</b>	0.000% - 0.669%	0.000% - 0.603%	<b>4.04%</b>	2.39% - 5.67%	2.65% - 5.53%				
	3,301 - 10,000	0.00152	<b>0.167%</b>	0.000% - 0.721%	0.000% - 0.606%	<b>4.03%</b>	2.26% - 6.16%	2.54% - 5.79%				
	10,001 - 50,000	0.00130	<b>0.0441%</b>	0.000% - 0.377%	0.000% - 0.232%	<b>2.64%</b>	1.13% - 4.34%	1.33% - 4.09%				
	> 50,000	0.000876	<b>0.0248%</b>	0.000% - 0.190%	0.000% - 0.190%	<b>1.24%</b>	0.190% - 2.69%	0.190% - 2.50%				
	Total	0.00128	<b>0.0329%</b>	0.000181% - 0.188%	0.000181% - 0.177%	<b>1.51%</b>	0.545% - 2.72%	0.624% - 2.61%				
All Systems - Combined Ground & Surface Water		0.00140	<b>0.140%</b>	0.0755% - 0.258%	0.0873% - 0.236%	<b>1.83%</b>	1.24% - 2.60%	1.27% - 2.53%				

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.47.g. Selenium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,500	200	4,300	200	3,700
	501 - 3,300	3,800	0	15,300	0	12,800
	3,301 - 10,000	0	0	9,900	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3,500</b>	<b>200</b>	<b>12,800</b>	<b>200</b>	<b>10,600</b>
Surface Water	≤ 500	0	0	500	0	500
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>200</b>	<b>0</b>	<b>200</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,600</b>	<b>200</b>	<b>12,900</b>	<b>200</b>	<b>10,700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.47.h. Selenium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	10,500	4,800	16,600	5,500	15,800
	501 - 3,300	33,200	11,900	57,100	15,000	52,600
	3,301 - 10,000	11,900	0	43,900	0	38,800
	10,001 - 50,000	0	0	22,200	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>36,100</b>	<b>13,900</b>	<b>67,700</b>	<b>17,300</b>	<b>62,900</b>
Surface Water	≤ 500	200	0	500	0	500
	501 - 3,300	500	0	4,100	0	2,600
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>500</b>	<b>0</b>	<b>2,800</b>	<b>0</b>	<b>2,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>36,900</b>	<b>14,300</b>	<b>68,400</b>	<b>18,200</b>	<b>63,500</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.47.i. Selenium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0125 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	50,300	38,500	64,200	40,200	62,100
	501 - 3,300	153,600	109,900	196,700	116,200	192,500
	3,301 - 10,000	100,200	37,800	171,200	47,500	159,000
	10,001 - 50,000	55,400	0	156,400	0	144,200
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>254,900</b>	<b>152,800</b>	<b>380,100</b>	<b>162,200</b>	<b>362,300</b>
Surface Water	≤ 500	800	0	2,600	0	2,200
	501 - 3,300	5,000	0	18,900	0	17,000
	3,301 - 10,000	10,200	0	43,900	0	36,900
	10,001 - 50,000	10,000	0	82,400	0	50,700
	> 50,000	0	0	183,100	0	183,100
	<b>SW Total</b>	<b>41,800</b>	<b>200</b>	<b>239,200</b>	<b>200</b>	<b>225,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>298,900</b>	<b>160,800</b>	<b>548,500</b>	<b>185,900</b>	<b>503,300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.47.j. Selenium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	330,600	300,200	359,200	304,300	357,200
	501 - 3,300	908,800	795,900	1,025,900	814,600	1,003,700
	3,301 - 10,000	698,400	561,100	842,900	581,700	818,600
	10,001 - 50,000	610,300	415,300	831,000	440,400	795,600
	> 50,000	50,000	0	177,300	0	159,500
	<b>GW Total</b>	<b>1,962,100</b>	<b>1,666,500</b>	<b>2,277,400</b>	<b>1,723,900</b>	<b>2,232,900</b>
Surface Water	≤ 500	10,700	4,500	18,100	5,200	17,000
	501 - 3,300	113,900	67,400	159,800	74,700	155,800
	3,301 - 10,000	245,200	137,700	374,800	154,700	352,400
	10,001 - 50,000	577,800	246,900	947,300	290,000	893,100
	> 50,000	1,191,900	183,100	2,586,000	183,100	2,407,900
	<b>SW Total</b>	<b>1,920,100</b>	<b>693,900</b>	<b>3,467,100</b>	<b>794,100</b>	<b>3,324,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,889,500</b>	<b>2,632,800</b>	<b>5,542,500</b>	<b>2,711,600</b>	<b>5,384,800</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.48.a. Simazine - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.004 mg/L			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.0000408	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000213%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000926	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000702%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0116%</b>	0.000% - 0.0319%	0.000% - 0.0319%
	3,301 - 10,000	0.0000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000233%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000932%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000198	<b>0.000746%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00187%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0183%</b>	0.000% - 0.187%	0.000% - 0.187%
	> 50,000	0.0000315	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00269%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00940%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000680	<b>0.000305%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000289%</b>	0.000% - 0.00761%	0.000% - 0.000%	<b>0.00382%</b>	0.000% - 0.0152%	0.000% - 0.0152%
Surface Water	≤ 500	0.0000253	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00159%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0135%</b>	0.000% - 0.397%	0.000% - 0.000%
	501 - 3,300	0.0000439	<b>0.000493%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00640%</b>	0.000% - 0.246%	0.000% - 0.000%	<b>0.120%</b>	0.000% - 0.493%	0.000% - 0.493%
	3,301 - 10,000	0.0000314	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000735%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0118%</b>	0.000% - 0.368%	0.000% - 0.000%
	10,001 - 50,000	0.0000417	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00126%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.112%</b>	0.000% - 0.631%	0.000% - 0.316%
	> 50,000	0.0000455	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0213%</b>	0.000% - 0.667%	0.000% - 0.000%
	Total	0.0000378	<b>0.000143%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00258%</b>	0.000% - 0.0716%	0.000% - 0.000%	<b>0.0673%</b>	0.000% - 0.215%	0.000% - 0.143%
All Systems - Combined Ground & Surface Water		0.0000978	<b>0.000413%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000509%</b>	0.000% - 0.00688%	0.000% - 0.00688%	<b>0.00992%</b>	0.000% - 0.0275%	0.000% - 0.0206%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.48.b. Simazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.48.c. Simazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	1	0	5	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	4	0	0
<b>Total Ground &amp; Surface Water</b>		1	0	4	0	4

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.48.d. Simazine - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>2</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>9</b>
Surface Water	≤ 500	1	0	6	0	0
	501 - 3,300	2	0	8	0	8
	3,301 - 10,000	0	0	4	0	0
	10,001 - 50,000	1	0	6	0	3
	> 50,000	0	0	3	0	0
	<b>SW Total</b>	<b>4</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>8</b>
<b>Total Ground &amp; Surface Water</b>		<b>6</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>13</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.48.e. Simazine - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.004 mg/L			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.0000408	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000256%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000926	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00151%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0249%</b>	0.000% - 0.0766%	0.000% - 0.0729%
	3,301 - 10,000	0.0000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000175%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00106%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000198	<b>0.000835%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00253%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0153%</b>	0.000% - 0.209%	0.000% - 0.106%
	> 50,000	0.0000315	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00191%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00629%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000680	<b>0.000238%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00178%</b>	0.000% - 0.00733%	0.000% - 0.000%	<b>0.00991%</b>	0.000% - 0.0668%	0.000% - 0.0595%
Surface Water	≤ 500	0.0000253	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00190%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0173%</b>	0.000% - 0.317%	0.000% - 0.000%
	501 - 3,300	0.0000439	<b>0.000855%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00855%</b>	0.000% - 0.222%	0.000% - 0.000%	<b>0.145%</b>	0.000% - 0.576%	0.000% - 0.433%
	3,301 - 10,000	0.0000314	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000718%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0119%</b>	0.000% - 0.278%	0.000% - 0.000%
	10,001 - 50,000	0.0000417	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000976%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0897%</b>	0.000% - 0.415%	0.000% - 0.304%
	> 50,000	0.0000455	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0159%</b>	0.000% - 0.172%	0.000% - 0.000%
	Total	0.0000378	<b>0.000106%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000253%</b>	0.000% - 0.00382%	0.000% - 0.000%	<b>0.0268%</b>	0.000% - 0.147%	0.000% - 0.0830%
All Systems - Combined Ground & Surface Water		0.0000978	<b>0.000107%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000897%</b>	0.000% - 0.00310%	0.000% - 0.00220%	<b>0.0197%</b>	0.000% - 0.105%	0.000% - 0.0692%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.48.f. Simazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.004 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	200	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		200	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.48.g. Simazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	1,500	0	6,300	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	6,300	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	300	0	4,900	0	0
<b>Total Ground &amp; Surface Water</b>		1,900	0	6,600	0	4,700

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.48.h. Simazine - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	3,900	0	11,900	0	11,300
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	51,000	0	25,800
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>8,500</b>	<b>0</b>	<b>57,200</b>	<b>0</b>	<b>51,000</b>
Surface Water	≤ 500	100	0	900	0	0
	501 - 3,300	4,100	0	16,200	0	12,200
	3,301 - 10,000	0	0	16,900	0	0
	10,001 - 50,000	19,600	0	90,700	0	66,500
	> 50,000	0	0	165,800	0	0
	<b>SW Total</b>	<b>34,200</b>	<b>0</b>	<b>187,300</b>	<b>0</b>	<b>105,600</b>
<b>Total Ground &amp; Surface Water</b>		<b>41,900</b>	<b>0</b>	<b>223,900</b>	<b>0</b>	<b>147,400</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.49.a. Styrene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.1 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.0000189	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000222	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000171	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Surface Water	≤ 500	0.0000338	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000128	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000215	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000260	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000215	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
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Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.025 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000189	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0351%</b>	0.0212% - 0.0565%	0.0212% - 0.0495%
	501 - 3,300	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00908%</b>	0.000% - 0.0437%	0.000% - 0.0218%
	3,301 - 10,000	0.0000222	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00313%</b>	0.000% - 0.0868%	0.000% - 0.000%
	10,001 - 50,000	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000303%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000171	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00124%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0262%</b>	0.0145% - 0.0435%	0.0145% - 0.0386%
<hr/>								
Surface Water	≤ 500	0.0000338	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.276%</b>	0.000% - 0.612%	0.000% - 0.306%
	501 - 3,300	0.0000128	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000449%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000215	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00276%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00118%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000260	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00120%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000215	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0586%</b>	0.000% - 0.128%	0.000% - 0.128%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0285%</b>	0.0180% - 0.0449%	0.0180% - 0.0404%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.49.b. Styrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.49.c. Styrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.49.d. Styrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.49.e. Styrene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	15	9	25	9	22
	501 - 3,300	1	0	5	0	3
	3,301 - 10,000	0	0	2	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>16</b>	<b>9</b>	<b>26</b>	<b>9</b>	<b>23</b>
Surface Water	≤ 500	4	0	9	0	5
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>7</b>
<b>Total Ground &amp; Surface Water</b>		<b>19</b>	<b>12</b>	<b>29</b>	<b>12</b>	<b>26</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.49.f. Styrene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.1 mg/L			Threshold = 0.05 mg/L		
Ground Water	≤ 500	0.0000189	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000222	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000171	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000338	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000128	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000215	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000260	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000215	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.025 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000189	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0149%</b>	0.00617% - 0.0340%	0.00617% - 0.0315%
	501 - 3,300	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0146%</b>	0.000% - 0.0519%	0.000% - 0.0413%
	3,301 - 10,000	0.0000222	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00353%</b>	0.000% - 0.0789%	0.000% - 0.000%
	10,001 - 50,000	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000228%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000171	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000652%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00325%</b>	0.000267% - 0.0130%	0.000267% - 0.00932%
Surface Water	≤ 500	0.0000338	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0806%</b>	0.000% - 0.355%	0.000% - 0.222%
	501 - 3,300	0.0000128	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000209%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000215	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00238%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000188	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00108%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000260	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000212%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000215	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000465%</b>	0.000% - 0.000562%	0.000% - 0.000296%
All Systems - Combined Ground & Surface Water		0.0000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00170%</b>	0.000159% - 0.00775%	0.000159% - 0.00472%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.49.g. Styrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.49.h. Styrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.49.i. Styrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.49.j. Styrene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1,000	400	2,200	400	2,000
	501 - 3,300	2,300	0	8,100	0	6,400
	3,301 - 10,000	0	0	10,900	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>2,800</b>	<b>200</b>	<b>11,100</b>	<b>200</b>	<b>8,000</b>
Surface Water	≤ 500	200	0	1,000	0	600
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>600</b>	<b>0</b>	<b>700</b>	<b>0</b>	<b>400</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,600</b>	<b>300</b>	<b>16,500</b>	<b>300</b>	<b>10,000</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.50.a. Tetrachloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.005 mg/L		Threshold = 0.0005 mg/L			
Ground Water	≤ 500	0.0000536	<b>0.147%</b>	0.105% - 0.189%	0.112% - 0.182%	<b>1.13%</b>	0.996% - 1.28%	1.00% - 1.26%	
	501 - 3,300	0.0000456	<b>0.140%</b>	0.0659% - 0.198%	0.0878% - 0.198%	<b>1.32%</b>	1.08% - 1.56%	1.12% - 1.52%	
	3,301 - 10,000	0.0000797	<b>0.354%</b>	0.173% - 0.520%	0.260% - 0.520%	<b>2.27%</b>	1.82% - 2.77%	1.91% - 2.68%	
	10,001 - 50,000	0.000279	<b>1.00%</b>	0.754% - 1.36%	0.754% - 1.36%	<b>8.21%</b>	7.39% - 9.05%	7.54% - 8.90%	
	> 50,000	0.000488	<b>1.37%</b>	1.23% - 1.84%	1.23% - 1.84%	<b>13.1%</b>	11.0% - 15.3%	11.7% - 14.7%	
	Total	0.0000639	<b>0.194%</b>	0.154% - 0.231%	0.164% - 0.226%	<b>1.56%</b>	1.43% - 1.68%	1.45% - 1.66%	
Surface Water	≤ 500	0.0000499	<b>0.148%</b>	0.000% - 0.602%	0.000% - 0.602%	<b>1.12%</b>	0.301% - 2.11%	0.602% - 1.81%	
	501 - 3,300	0.0000253	<b>0.00948%</b>	0.000% - 0.226%	0.000% - 0.000%	<b>1.08%</b>	0.452% - 1.81%	0.452% - 1.81%	
	3,301 - 10,000	0.0000153	<b>0.00137%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.479%</b>	0.000% - 1.02%	0.000% - 1.02%	
	10,001 - 50,000	0.000131	<b>0.580%</b>	0.300% - 0.601%	0.300% - 0.601%	<b>3.89%</b>	3.30% - 4.81%	3.30% - 4.51%	
	> 50,000	0.000314	<b>1.51%</b>	0.602% - 1.81%	1.21% - 1.81%	<b>9.62%</b>	8.43% - 11.5%	8.43% - 10.8%	
	Total	0.0000817	<b>0.317%</b>	0.191% - 0.447%	0.255% - 0.447%	<b>2.48%</b>	2.17% - 2.87%	2.23% - 2.81%	
All Systems - Combined Ground & Surface Water		0.0000651	<b>0.202%</b>	0.166% - 0.237%	0.170% - 0.233%	<b>1.62%</b>	1.50% - 1.74%	1.51% - 1.72%	

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.50.b. Tetrachloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	64	46	82	49	79
	501 - 3,300	17	8	24	11	24
	3,301 - 10,000	9	4	12	6	12
	10,001 - 50,000	12	9	16	9	16
	> 50,000	3	2	3	2	3
	<b>GW Total</b>	115	91	137	97	134
Surface Water	≤ 500	2	0	9	0	9
	501 - 3,300	1	0	4	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	5	3	6	3	6
	> 50,000	6	2	7	5	7
	<b>SW Total</b>	18	11	25	14	25
<b>Total Ground &amp; Surface Water</b>		132	108	154	110	151

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.50.c. Tetrachloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	493	433	558	436	546
	501 - 3,300	160	131	190	136	184
	3,301 - 10,000	55	44	67	46	65
	10,001 - 50,000	98	88	108	90	106
	> 50,000	25	21	29	22	28
	<b>GW Total</b>	<b>925</b>	<b>849</b>	<b>997</b>	<b>860</b>	<b>989</b>
Surface Water	≤ 500	17	5	32	9	28
	501 - 3,300	18	8	31	8	31
	3,301 - 10,000	5	0	10	0	10
	10,001 - 50,000	36	31	45	31	42
	> 50,000	39	34	46	34	44
	<b>SW Total</b>	<b>139</b>	<b>121</b>	<b>161</b>	<b>125</b>	<b>157</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,053</b>	<b>974</b>	<b>1,134</b>	<b>983</b>	<b>1,120</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.50.d. Tetrachloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
				Threshold = 0.005 mg/L			Threshold = 0.0005 mg/L	
Ground Water	≤ 500	0.0000536	<b>0.187%</b>	0.133% - 0.237%	0.144% - 0.231%	<b>1.12%</b>	0.952% - 1.29%	0.978% - 1.26%
	501 - 3,300	0.0000456	<b>0.129%</b>	0.0507% - 0.233%	0.0565% - 0.212%	<b>1.48%</b>	1.21% - 1.80%	1.25% - 1.72%
	3,301 - 10,000	0.0000797	<b>0.312%</b>	0.167% - 0.450%	0.219% - 0.450%	<b>2.24%</b>	1.78% - 2.74%	1.86% - 2.67%
	10,001 - 50,000	0.000279	<b>1.28%</b>	0.763% - 1.88%	0.788% - 1.77%	<b>10.0%</b>	9.07% - 11.0%	9.23% - 10.8%
	> 50,000	0.000488	<b>0.963%</b>	0.871% - 1.61%	0.871% - 1.29%	<b>9.57%</b>	8.04% - 11.7%	8.32% - 11.2%
	Total	0.0000639	<b>0.833%</b>	0.642% - 1.10%	0.659% - 1.04%	<b>7.36%</b>	6.72% - 8.32%	6.78% - 8.05%
Surface Water	≤ 500	0.0000499	<b>0.135%</b>	0.000% - 0.524%	0.000% - 0.475%	<b>1.03%</b>	0.106% - 2.34%	0.262% - 2.02%
	501 - 3,300	0.0000253	<b>0.0110%</b>	0.000% - 0.263%	0.000% - 0.000%	<b>1.14%</b>	0.496% - 2.03%	0.506% - 1.84%
	3,301 - 10,000	0.0000153	<b>0.00180%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.621%</b>	0.000% - 1.33%	0.000% - 1.17%
	10,001 - 50,000	0.000131	<b>1.01%</b>	0.454% - 1.06%	0.454% - 1.06%	<b>4.75%</b>	4.12% - 5.67%	4.21% - 5.50%
	> 50,000	0.000314	<b>0.526%</b>	0.101% - 0.774%	0.202% - 0.575%	<b>18.7%</b>	17.6% - 21.6%	17.6% - 21.3%
	Total	0.0000817	<b>0.565%</b>	0.218% - 0.777%	0.302% - 0.617%	<b>16.2%</b>	15.2% - 18.6%	15.2% - 18.3%
All Systems - Combined Ground & Surface Water		0.0000651	<b>0.685%</b>	0.470% - 0.873%	0.541% - 0.816%	<b>12.2%</b>	11.5% - 13.7%	11.6% - 13.5%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.50.e. Tetrachloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	12,140	8,637	15,382	9,358	14,986
	501 - 3,300	20,046	7,876	36,102	8,776	32,919
	3,301 - 10,000	42,963	23,010	61,953	30,102	61,953
	10,001 - 50,000	313,591	186,517	459,510	192,628	431,646
	> 50,000	245,016	221,608	410,395	221,608	328,469
	<b>GW Total</b>	<b>713,814</b>	<b>550,162</b>	<b>944,212</b>	<b>564,642</b>	<b>886,806</b>
Surface Water	≤ 500	395	0	1,532	0	1,388
	501 - 3,300	501	0	7,421	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	221,364	99,100	232,072	99,100	232,072
	> 50,000	506,234	97,145	745,005	194,002	553,988
	<b>SW Total</b>	<b>719,522</b>	<b>277,954</b>	<b>989,836</b>	<b>383,889</b>	<b>785,859</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,458,893</b>	<b>1,001,351</b>	<b>1,859,348</b>	<b>1,151,309</b>	<b>1,738,999</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.50.f. Tetrachloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	72,721	61,855	83,898	63,564	82,144
	501 - 3,300	229,654	188,040	279,498	193,785	266,610
	3,301 - 10,000	308,730	244,836	377,031	255,439	367,392
	10,001 - 50,000	2,446,647	2,215,914	2,683,734	2,255,021	2,637,295
	> 50,000	2,435,911	2,045,870	2,987,006	2,116,602	2,852,158
	<b>GW Total</b>	<b>6,307,030</b>	<b>5,756,096</b>	<b>7,131,288</b>	<b>5,812,646</b>	<b>6,897,377</b>
Surface Water	≤ 500	3,024	311	6,846	766	5,913
	501 - 3,300	32,188	13,966	57,104	14,262	51,721
	3,301 - 10,000	37,772	0	80,801	0	71,066
	10,001 - 50,000	1,036,893	900,534	1,239,027	918,890	1,201,878
	> 50,000	17,975,243	16,906,549	20,834,722	16,906,549	20,507,374
	<b>SW Total</b>	<b>20,563,227</b>	<b>19,340,893</b>	<b>23,720,924</b>	<b>19,379,091</b>	<b>23,338,945</b>
<b>Total Ground &amp; Surface Water</b>		<b>26,029,600</b>	<b>24,559,843</b>	<b>29,096,918</b>	<b>24,751,551</b>	<b>28,649,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.51.a. Thallium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of System**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.002 mg/L		Threshold = 0.001 mg/L			
Ground Water	≤ 500	0.000113	<b>0.340%</b>	0.226% - 0.452%	0.244% - 0.434%	<b>1.34%</b>	1.09% - 1.60%	1.12% - 1.56%	
	501 - 3,300	0.0000925	<b>0.213%</b>	0.0796% - 0.371%	0.106% - 0.345%	<b>0.987%</b>	0.690% - 1.33%	0.716% - 1.27%	
	3,301 - 10,000	0.0000738	<b>0.159%</b>	0.000% - 0.416%	0.000% - 0.416%	<b>0.801%</b>	0.312% - 1.35%	0.416% - 1.25%	
	10,001 - 50,000	0.0000871	<b>0.156%</b>	0.000% - 0.535%	0.000% - 0.357%	<b>0.913%</b>	0.357% - 1.60%	0.357% - 1.43%	
	> 50,000	0.0000774	<b>0.121%</b>	0.000% - 0.667%	0.000% - 0.667%	<b>0.959%</b>	0.000% - 2.00%	0.000% - 2.00%	
	Total	0.000105	<b>0.292%</b>	0.206% - 0.382%	0.218% - 0.364%	<b>1.21%</b>	1.01% - 1.41%	1.04% - 1.38%	
Surface Water	≤ 500	0.000122	<b>0.355%</b>	0.000% - 0.990%	0.000% - 0.990%	<b>1.47%</b>	0.330% - 2.97%	0.330% - 2.64%	
	501 - 3,300	0.0000927	<b>0.132%</b>	0.000% - 0.709%	0.000% - 0.473%	<b>0.829%</b>	0.000% - 1.89%	0.236% - 1.66%	
	3,301 - 10,000	0.000143	<b>0.229%</b>	0.000% - 0.735%	0.000% - 0.735%	<b>1.62%</b>	0.368% - 3.31%	0.735% - 2.94%	
	10,001 - 50,000	0.000110	<b>0.122%</b>	0.000% - 0.639%	0.000% - 0.320%	<b>0.998%</b>	0.000% - 2.24%	0.320% - 1.92%	
	> 50,000	0.0000458	<b>0.00255%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.154%</b>	0.000% - 0.637%	0.000% - 0.637%	
	Total	0.000107	<b>0.180%</b>	0.000% - 0.409%	0.0681% - 0.341%	<b>1.07%</b>	0.545% - 1.64%	0.613% - 1.57%	
All Systems - Combined Ground & Surface Water		0.000105	<b>0.283%</b>	0.195% - 0.367%	0.211% - 0.351%	<b>1.20%</b>	1.01% - 1.39%	1.03% - 1.37%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.51.b. Thallium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	148	98	197	106	189
	501 - 3,300	26	10	45	13	42
	3,301 - 10,000	4	0	10	0	10
	10,001 - 50,000	2	0	6	0	4
	> 50,000	1	0	1	0	1
	<b>GW Total</b>	<b>174</b>	<b>122</b>	<b>227</b>	<b>130</b>	<b>216</b>
Surface Water	≤ 500	5	0	15	0	15
	501 - 3,300	2	0	12	0	8
	3,301 - 10,000	2	0	7	0	7
	10,001 - 50,000	1	0	6	0	3
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>10</b>	<b>0</b>	<b>23</b>	<b>4</b>	<b>19</b>
<b>Total Ground &amp; Surface Water</b>		<b>184</b>	<b>127</b>	<b>239</b>	<b>137</b>	<b>228</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.51.c. Thallium - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	581	476	696	488	676
	501 - 3,300	120	84	161	87	155
	3,301 - 10,000	19	8	33	10	30
	10,001 - 50,000	11	4	19	4	17
	> 50,000	2	0	4	0	4
	<b>GW Total</b>	<b>717</b>	<b>602</b>	<b>836</b>	<b>616</b>	<b>821</b>
Surface Water	≤ 500	23	5	46	5	41
	501 - 3,300	14	0	32	4	28
	3,301 - 10,000	16	4	33	7	30
	10,001 - 50,000	9	0	21	3	18
	> 50,000	1	0	3	0	3
	<b>SW Total</b>	<b>60</b>	<b>30</b>	<b>91</b>	<b>34</b>	<b>88</b>
<b>Total Ground &amp; Surface Water</b>		<b>778</b>	<b>655</b>	<b>905</b>	<b>669</b>	<b>890</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.51.d. Thallium - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.000113	<b>0.328%</b>	0.186% - 0.487%	0.204% - 0.465%	<b>1.35%</b>	1.05% - 1.68%	1.08% - 1.62%
	501 - 3,300	0.0000925	<b>0.198%</b>	0.0581% - 0.380%	0.0744% - 0.346%	<b>0.971%</b>	0.628% - 1.32%	0.669% - 1.28%
	3,301 - 10,000	0.0000738	<b>0.165%</b>	0.000% - 0.467%	0.000% - 0.416%	<b>0.845%</b>	0.367% - 1.43%	0.419% - 1.32%
	10,001 - 50,000	0.0000871	<b>0.116%</b>	0.000% - 0.409%	0.000% - 0.361%	<b>0.767%</b>	0.196% - 1.56%	0.276% - 1.36%
	> 50,000	0.0000774	<b>0.138%</b>	0.000% - 1.03%	0.000% - 1.03%	<b>0.914%</b>	0.000% - 1.99%	0.000% - 1.84%
	Total	0.000105	<b>0.150%</b>	0.0319% - 0.573%	0.0370% - 0.530%	<b>0.887%</b>	0.383% - 1.41%	0.456% - 1.33%
Surface Water	≤ 500	0.000122	<b>0.398%</b>	0.000% - 1.47%	0.000% - 1.19%	<b>1.73%</b>	0.173% - 3.93%	0.259% - 3.53%
	501 - 3,300	0.0000927	<b>0.148%</b>	0.000% - 0.671%	0.000% - 0.578%	<b>0.855%</b>	0.000% - 1.90%	0.147% - 1.75%
	3,301 - 10,000	0.000143	<b>0.228%</b>	0.000% - 1.04%	0.000% - 0.754%	<b>1.67%</b>	0.313% - 3.66%	0.509% - 3.28%
	10,001 - 50,000	0.000110	<b>0.112%</b>	0.000% - 0.614%	0.000% - 0.585%	<b>0.943%</b>	0.000% - 2.11%	0.177% - 1.89%
	> 50,000	0.0000458	<b>0.000824%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.132%</b>	0.000% - 1.48%	0.000% - 0.915%
	Total	0.000107	<b>0.0222%</b>	0.000% - 0.0866%	0.0000568% - 0.0777%	<b>0.279%</b>	0.0664% - 1.41%	0.0757% - 1.05%
All Systems - Combined Ground & Surface Water		0.000105	<b>0.0743%</b>	0.0156% - 0.246%	0.0190% - 0.234%	<b>0.527%</b>	0.244% - 1.24%	0.286% - 0.975%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.51.e. Thallium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	21,329	12,101	31,629	13,257	30,225
	501 - 3,300	30,714	9,022	58,974	11,553	53,710
	3,301 - 10,000	22,707	0	64,280	0	57,284
	10,001 - 50,000	28,231	0	99,895	0	88,236
	> 50,000	50,001	0	262,826	0	262,826
	<b>GW Total</b>	128,180	27,298	490,870	31,659	453,942
Surface Water	≤ 500	1,164	0	4,287	0	3,480
	501 - 3,300	4,163	0	18,913	0	16,283
	3,301 - 10,000	13,897	0	63,156	0	45,846
	10,001 - 50,000	24,540	0	134,151	0	127,814
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	28,266	0	110,252	<100	98,894
<b>Total Ground &amp; Surface Water</b>		158,265	33,293	524,639	40,365	498,865

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.51.f. Thallium - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	87,668	67,976	109,243	70,121	105,539
	501 - 3,300	150,743	97,483	205,431	103,865	198,288
	3,301 - 10,000	116,290	50,523	197,328	57,684	182,181
	10,001 - 50,000	187,470	48,004	380,318	67,533	331,923
	> 50,000	232,498	0	505,043	0	469,169
	<b>GW Total</b>	<b>759,654</b>	<b>328,075</b>	<b>1,209,826</b>	<b>390,280</b>	<b>1,138,710</b>
Surface Water	≤ 500	5,044	504	11,498	757	10,308
	501 - 3,300	24,102	0	53,497	4,152	49,269
	3,301 - 10,000	101,305	19,062	222,507	30,951	199,751
	10,001 - 50,000	206,133	0	460,866	38,569	413,227
	> 50,000	127,088	0	1,426,851	0	880,565
	<b>SW Total</b>	<b>355,114</b>	<b>84,481</b>	<b>1,796,577</b>	<b>96,322</b>	<b>1,340,748</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,123,405</b>	<b>519,953</b>	<b>2,647,692</b>	<b>608,564</b>	<b>2,077,469</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.52.a. Toluene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 1 mg/L			Threshold = 0.5 mg/L			Threshold = 0.3 mg/L		
Ground Water	≤ 500	0.0000667	<b>0.0000128%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000191%</b>	0.000% - 0.00638%	0.000% - 0.000%	<b>0.000434%</b>	0.000% - 0.00638%	0.000% - 0.00638%
	501 - 3,300	0.0000436	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000848%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000848%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000356	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000606	<b>0.0000894%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000152%</b>	0.000% - 0.00447%	0.000% - 0.000%	<b>0.000322%</b>	0.000% - 0.00447%	0.000% - 0.00447%
Surface Water	≤ 500	0.000109	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000594	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000681	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000499	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000557	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000689	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000612	<b>0.0000835%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000142%</b>	0.000% - 0.00418%	0.000% - 0.000%	<b>0.000301%</b>	0.000% - 0.00418%	0.000% - 0.00418%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.25 mg/L			Threshold = 0.05 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000667	<b>0.000676%</b>	0.000% - 0.00638%	0.000% - 0.00638%	<b>0.00719%</b>	0.000% - 0.0191%	0.000% - 0.0128%	<b>1.68%</b>	1.14% - 2.13%	1.20% - 2.11%
	501 - 3,300	0.0000436	<b>0.000848%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00106%</b>	0.000% - 0.0212%	0.000% - 0.000%	<b>1.15%</b>	0.699% - 1.65%	0.742% - 1.59%
	3,301 - 10,000	0.0000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00103%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.04%</b>	1.21% - 2.93%	1.29% - 2.76%
	10,001 - 50,000	0.0000356	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.21%</b>	0.453% - 2.12%	0.453% - 1.96%
	> 50,000	0.0000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.04%</b>	0.000% - 2.47%	0.000% - 1.85%
	Total	0.0000606	<b>0.000492%</b>	0.000% - 0.00447%	0.000% - 0.00447%	<b>0.00531%</b>	0.000% - 0.0134%	0.000% - 0.0134%	<b>1.57%</b>	1.06% - 1.97%	1.12% - 1.93%
Surface Water	≤ 500	0.000109	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.68%</b>	1.83% - 6.10%	2.13% - 5.79%
	501 - 3,300	0.0000594	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00134%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.74%</b>	0.671% - 2.91%	0.895% - 2.69%
	3,301 - 10,000	0.0000681	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.41%</b>	1.03% - 4.12%	1.03% - 3.78%
	10,001 - 50,000	0.0000499	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.60%</b>	0.588% - 2.94%	0.588% - 2.65%
	> 50,000	0.0000557	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.46%</b>	0.000% - 3.57%	0.000% - 2.98%
	Total	0.0000689	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000381%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.21%</b>	1.33% - 3.11%	1.46% - 2.92%
All Systems - Combined Ground & Surface Water		0.0000612	<b>0.000459%</b>	0.000% - 0.00418%	0.000% - 0.00418%	<b>0.00499%</b>	0.000% - 0.0125%	0.000% - 0.0125%	<b>1.61%</b>	1.09% - 2.00%	1.15% - 1.98%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.52.b. Toluene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.52.c. Toluene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	3	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.52.d. Toluene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.3 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	3	0	3
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.52.e. Toluene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.25 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	3	0	3
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.52.f. Toluene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3	0	8	0	6
	501 - 3,300	0	0	3	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>8</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>3</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>8</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.52.g. Toluene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	731	497	927	522	916
	501 - 3,300	140	85	201	90	193
	3,301 - 10,000	49	29	70	31	66
	10,001 - 50,000	14	5	25	5	23
	> 50,000	2	0	5	0	4
	<b>GW Total</b>	<b>931</b>	<b>632</b>	<b>1,169</b>	<b>664</b>	<b>1,148</b>
Surface Water	≤ 500	57	28	94	33	89
	501 - 3,300	30	11	50	15	46
	3,301 - 10,000	24	10	42	10	38
	10,001 - 50,000	15	5	27	5	25
	> 50,000	6	0	14	0	12
	<b>SW Total</b>	<b>123</b>	<b>75</b>	<b>174</b>	<b>82</b>	<b>163</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,046</b>	<b>709</b>	<b>1,303</b>	<b>749</b>	<b>1,284</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.52.h. Toluene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 1 mg/L			Threshold = 0.5 mg/L			Threshold = 0.3 mg/L		
Ground Water	≤ 500	0.0000667	<b>0.0000257%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000385%</b>	0.000% - 0.00129%	0.000% - 0.000%	<b>0.0000874%</b>	0.000% - 0.00129%	0.000% - 0.00129%
	501 - 3,300	0.0000436	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000620%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000620%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000356	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Total		0.0000606	<b>0.00000121%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000952%</b>	0.000% - 0.0000604%	0.000% - 0.000%	<b>0.0000118%</b>	0.000% - 0.0000604%	0.000% - 0.0000604%
Surface Water	≤ 500	0.000109	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000594	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000681	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000499	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000557	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Total		0.0000689	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000612	<b>0.000000539%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00000425%</b>	0.000% - 0.0000270%	0.000% - 0.000%	<b>0.00000528%</b>	0.000% - 0.0000270%	0.000% - 0.0000270%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.25 mg/L			Threshold = 0.05 mg/L			Threshold = 0.005 mg/L		
Ground Water	≤ 500	0.0000667	<b>0.000136%</b>	0.000% - 0.00129%	0.000% - 0.00129%	<b>0.00267%</b>	0.000% - 0.0173%	0.000% - 0.0124%	<b>1.61%</b>	1.09% - 2.09%	1.14% - 2.03%
	501 - 3,300	0.0000436	<b>0.0000620%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000755%</b>	0.000% - 0.0155%	0.000% - 0.000%	<b>1.04%</b>	0.600% - 1.53%	0.650% - 1.47%
	3,301 - 10,000	0.0000654	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000937%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.01%</b>	1.19% - 2.90%	1.27% - 2.78%
	10,001 - 50,000	0.0000356	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.16%</b>	0.397% - 2.02%	0.481% - 1.90%
	> 50,000	0.0000320	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.532%</b>	0.000% - 1.27%	0.000% - 1.19%
Total		0.0000606	<b>0.0000141%</b>	0.000% - 0.0000604%	0.000% - 0.0000604%	<b>0.000346%</b>	0.000% - 0.00221%	0.000% - 0.00199%	<b>1.03%</b>	0.584% - 1.51%	0.638% - 1.42%
Surface Water	≤ 500	0.000109	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.97%</b>	1.84% - 7.21%	2.04% - 6.48%
	501 - 3,300	0.0000594	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00203%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.76%</b>	0.794% - 2.97%	0.894% - 2.81%
	3,301 - 10,000	0.0000681	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.41%</b>	0.848% - 4.14%	1.06% - 3.88%
	10,001 - 50,000	0.0000499	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.34%</b>	0.388% - 2.77%	0.426% - 2.45%
	> 50,000	0.0000557	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.833%</b>	0.000% - 2.48%	0.000% - 2.14%
Total		0.0000689	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000253%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.959%</b>	0.152% - 2.38%	0.219% - 2.07%
All Systems - Combined Ground & Surface Water		0.0000612	<b>0.00000630%</b>	0.000% - 0.0000270%	0.000% - 0.0000270%	<b>0.000168%</b>	0.000% - 0.00121%	0.000% - 0.000887%	<b>0.989%</b>	0.421% - 1.83%	0.477% - 1.64%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.52.i. Toluene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.52.j. Toluene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.5 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	100	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.52.k. Toluene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.3 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	100	0	100
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.52.I. Toluene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.25 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	100	0	100
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.52.m. Toluene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	200	0	1,100	0	800
	501 - 3,300	0	0	2,400	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>300</b>	<b>0</b>	<b>1,900</b>	<b>0</b>	<b>1,700</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>400</b>	<b>0</b>	<b>2,600</b>	<b>0</b>	<b>1,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.52.n. Toluene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	104,300	71,000	135,600	74,000	131,800
	501 - 3,300	161,600	93,200	237,400	100,900	228,700
	3,301 - 10,000	276,500	164,100	399,800	175,400	383,200
	10,001 - 50,000	284,300	96,900	492,800	117,500	465,100
	> 50,000	135,300	0	323,600	0	301,800
	<b>GW Total</b>	<b>879,100</b>	<b>500,700</b>	<b>1,290,400</b>	<b>546,500</b>	<b>1,214,100</b>
Surface Water	≤ 500	11,600	5,400	21,100	6,000	18,900
	501 - 3,300	49,600	22,400	83,700	25,200	79,100
	3,301 - 10,000	146,600	51,600	252,000	64,400	236,000
	10,001 - 50,000	292,800	84,700	604,400	93,100	536,300
	> 50,000	802,300	0	2,387,700	0	2,057,500
	<b>SW Total</b>	<b>1,220,400</b>	<b>192,900</b>	<b>3,029,100</b>	<b>279,200</b>	<b>2,635,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>2,105,600</b>	<b>896,600</b>	<b>3,887,400</b>	<b>1,015,200</b>	<b>3,497,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.53.a. Toxaphene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.003 mg/L			Threshold = 0.0015 mg/L			Threshold = 0.01 mg/L		
Ground Water	≤ 500	0.00000782	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000245%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000733	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000354%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000707	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000963	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000778	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000967%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.00000951	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00138%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000168	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000638	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000262	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00276%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000129	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000573%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000830	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000145%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.53.b. Toxaphene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.53.c. Toxaphene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0015 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.53.d. Toxaphene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		1	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.53.e. Toxaphene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.003 mg/L			Threshold = 0.0015 mg/L			Threshold = 0.001 mg/L		
Ground Water	≤ 500	0.00000782	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000850%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.00000733	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000400%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.00000707	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000963	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.00000778	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000376%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.00000951	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00366%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000168	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000105	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.00000638	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000262	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00169%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000129	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00141%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000830	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000833%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.53.f. Toxaphene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.53.g. Toxaphene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0015 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.53.h. Toxaphene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	1,800	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		1,774	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.54.a. 2,4,5-TP - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.05 mg/L			Threshold = 0.025 mg/L		
Ground Water	≤ 500	0.0000491	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000788	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000218	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000214	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000073	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000100	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000135	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000149	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000802	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.0125 mg/L			Threshold = 0.005 mg/L		
Ground Water	≤ 500	0.0000491	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000212%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000788	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00104%</b>	0.000% - 0.032%	0.000% - 0.000%
	3,301 - 10,000	0.0000218	<b>0.000475%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.113%</b>	0.000% - 0.119%	0.119% - 0.119%
	10,001 - 50,000	0.0000214	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00477%</b>	0.000% - 0.184%	0.000% - 0.000%
	> 50,000	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000073	<b>0.000284%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00721%</b>	0.000% - 0.0142%	0.00711% - 0.0142%
Surface Water	≤ 500	0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000709%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000100	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000135	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000714%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000149	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000272%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.00000802	<b>0.0000257%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00655%</b>	0.000% - 0.0129%	0.00644% - 0.0129%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.54.b. 2,4,5-TP - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.54.c. 2,4,5-TP - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.54.d. 2,4,5-TP - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0125 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.54.e. 2,4,5-TP - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	4	0	0
	3,301 - 10,000	3	0	3	3	3
	10,001 - 50,000	0	0	2	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>4</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>8</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>4</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>8</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.54.f. 2,4,5-TP - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.05 mg/L			Threshold = 0.025 mg/L		
Ground Water	≤ 500	0.0000491	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000788	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000218	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000214	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000073	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000100	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000135	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000149	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000802	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
			Threshold = 0.0125 mg/L			Threshold = 0.005 mg/L		
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
Ground Water	≤ 500	0.0000491	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000192%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000788	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000733%</b>	0.000% - 0.0229%	0.000% - 0.000%
	3,301 - 10,000	0.0000218	<b>0.000774%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.184%</b>	0.000% - 0.194%	0.194% - 0.194%
	10,001 - 50,000	0.0000214	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00697%</b>	0.000% - 0.268%	0.000% - 0.000%
	> 50,000	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000073	<b>0.0000913%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0238%</b>	0.000% - 0.100%	0.0228% - 0.0251%
Surface Water	≤ 500	0.0000198	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000259%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000100	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000135	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000648%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000186	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000149	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000171%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000802	<b>0.0000355%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00928%</b>	0.000% - 0.0388%	0.00888% - 0.00976%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.54.g. 2,4,5-TP - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.54.h. 2,4,5-TP - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.54.i. 2,4,5-TP - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0125 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.54.j. 2,4,5-TP - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	3,600	0	0
	3,301 - 10,000	25,400	0	26,600	26,600	26,600
	10,001 - 50,000	0	0	65,600	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>20,400</b>	<b>0</b>	<b>85,500</b>	<b>19,600</b>	<b>21,500</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>19,800</b>	<b>0</b>	<b>82,700</b>	<b>18,900</b>	<b>20,800</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.55.a. 1,2,4-Trichlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			<b>Threshold = 0.07 mg/L</b>			<b>Threshold = 0.035 mg/L</b>		
Ground Water	≤ 500	0.0000164	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000227	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000319	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000187	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000278	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000195	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000248	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000231	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000310	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000191	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
			<b>Threshold = 0.0175 mg/L</b>			<b>Threshold = 0.0005 mg/L</b>		
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
Ground Water	≤ 500	0.0000164	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000311%</b>	0.000% - 0.00741%	0.000% - 0.0000%
	501 - 3,300	0.0000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00120%</b>	0.000% - 0.0221%	0.000% - 0.0221%
	3,301 - 10,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00175%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000227	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00698%</b>	0.000% - 0.152%	0.000% - 0.000%
	> 50,000	0.0000319	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00248%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000187	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000831%</b>	0.000% - 0.00501%	0.000% - 0.00501%
Surface Water	≤ 500	0.0000278	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00331%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000195	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000470%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000248	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000231	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000310	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00121%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000927%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000191	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000838%</b>	0.000% - 0.00466%	0.000% - 0.00466%

All mean concentration estimates are expressed to three significant figures.

**Table C.55.b. 1,2,4-Trichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.07 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.55.c. 1,2,4-Trichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.035 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.55.d. 1,2,4-Trichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0175 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.55.e. 1,2,4-Trichlorobenzene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	3	0	0
	501 - 3,300	0	0	3	0	3
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	2	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.55.f. 1,2,4-Trichlorobenzene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.07 mg/L			Threshold = 0.035 mg/L		
Ground Water	≤ 500	0.0000164	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000227	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000319	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000187	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
Surface Water	≤ 500	0.0000278	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000195	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000248	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000231	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000310	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000191	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
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Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.0175 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000164	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000345%</b>	0.000% - 0.00524%	0.000% - 0.00000%
	501 - 3,300	0.0000221	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00118%</b>	0.000% - 0.0259%	0.000% - 0.00938%
	3,301 - 10,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00239%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000227	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00452%</b>	0.000% - 0.0991%	0.000% - 0.000%
	> 50,000	0.0000319	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00217%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000187	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00269%</b>	0.000% - 0.0289%	0.000% - 0.0240%
<hr/>								
Surface Water	≤ 500	0.0000278	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00259%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000195	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000534%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000248	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000231	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000310	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000589%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000242	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000499%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000191	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00147%</b>	0.000% - 0.0128%	0.000% - 0.0128%

All mean concentration estimates are expressed to three significant figures.

**Table C.55.g. 1,2,4-Trichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.07 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.55.h. 1,2,4-Trichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.035 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.55.i. 1,2,4-Trichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0175 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.55.j. 1,2,4-Trichlorobenzene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	300	0	0
	501 - 3,300	0	0	4,000	0	1,500
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	24,200	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>24,700</b>	<b>0</b>	<b>20,500</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,100</b>	<b>0</b>	<b>27,300</b>	<b>0</b>	<b>27,200</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.56.a. 1,1,1-Trichloroethane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.2 mg/L			Threshold = 0.1 mg/L		
Ground Water	≤ 500	0.0000449	<b>0.000356%</b>	0.000% - 0.00613%	0.000% - 0.00613%	<b>0.00204%</b>	0.000% - 0.00613%	0.000% - 0.00613%
	501 - 3,300	0.0000248	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000308	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000800	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000978	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000414	<b>0.000251%</b>	0.000% - 0.00434%	0.000% - 0.00434%	<b>0.00144%</b>	0.000% - 0.00434%	0.000% - 0.00434%
Surface Water	≤ 500	0.0000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000218	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000262	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000154	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000700	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000257	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000404	<b>0.000235%</b>	0.000% - 0.00406%	0.000% - 0.00406%	<b>0.00135%</b>	0.000% - 0.00406%	0.000% - 0.00406%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.05 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000449	<b>0.00683%</b>	0.000% - 0.0184%	0.000% - 0.0123%	<b>0.816%</b>	0.693% - 0.944%	0.717% - 0.926%
	501 - 3,300	0.0000248	<b>0.0000420%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.630%</b>	0.482% - 0.818%	0.503% - 0.776%
	3,301 - 10,000	0.0000308	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.12%</b>	0.857% - 1.46%	0.857% - 1.37%
	10,001 - 50,000	0.0000800	<b>0.000603%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.36%</b>	1.81% - 3.02%	1.96% - 2.87%
	> 50,000	0.0000978	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>4.69%</b>	3.70% - 5.56%	3.70% - 5.56%
	Total	0.0000414	<b>0.00486%</b>	0.000% - 0.0130%	0.000% - 0.00867%	<b>0.864%</b>	0.754% - 0.967%	0.772% - 0.949%
Surface Water	≤ 500	0.0000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.591%</b>	0.000% - 1.47%	0.000% - 1.18%
	501 - 3,300	0.0000218	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.442%</b>	0.223% - 1.11%	0.223% - 0.891%
	3,301 - 10,000	0.0000262	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.616%</b>	0.000% - 1.37%	0.000% - 1.37%
	10,001 - 50,000	0.0000154	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.209%</b>	0.000% - 0.888%	0.000% - 0.592%
	> 50,000	0.0000700	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.15%</b>	1.21% - 3.61%	1.21% - 3.01%
	Total	0.0000257	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.635%</b>	0.379% - 1.01%	0.379% - 0.883%
All Systems - Combined Ground & Surface Water		0.0000404	<b>0.00454%</b>	0.000% - 0.0122%	0.000% - 0.00811%	<b>0.850%</b>	0.742% - 0.953%	0.759% - 0.933%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.56.b. 1,1,1-Trichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	3	0	3
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.56.c. 1,1,1-Trichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1	0	3	0	3
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.56.d. 1,1,1-Trichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	3	0	8	0	5
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>3</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>5</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>3</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>5</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.56.e. 1,1,1-Trichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	355	301	411	312	403
	501 - 3,300	77	59	99	61	94
	3,301 - 10,000	27	21	35	21	33
	10,001 - 50,000	28	22	36	23	34
	> 50,000	9	7	11	7	11
	<b>GW Total</b>	<b>514</b>	<b>448</b>	<b>575</b>	<b>459</b>	<b>564</b>
Surface Water	≤ 500	9	0	23	0	18
	501 - 3,300	8	4	19	4	15
	3,301 - 10,000	6	0	14	0	14
	10,001 - 50,000	2	0	8	0	6
	> 50,000	9	5	15	5	12
	<b>SW Total</b>	<b>36</b>	<b>21</b>	<b>56</b>	<b>21</b>	<b>49</b>
<b>Total Ground &amp; Surface Water</b>		<b>552</b>	<b>483</b>	<b>620</b>	<b>493</b>	<b>607</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.56.f. 1,1,1-Trichloroethane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.2 mg/L			Threshold = 0.1 mg/L		
Ground Water	≤ 500	0.0000449	<b>0.000322%</b>	0.000% - 0.00622%	0.000% - 0.00253%	<b>0.00191%</b>	0.000% - 0.00622%	0.000% - 0.00622%
	501 - 3,300	0.0000248	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000308	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000800	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000978	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000414	<b>0.0000156%</b>	0.000% - 0.000301%	0.000% - 0.000122%	<b>0.0000925%</b>	0.000% - 0.000301%	0.000% - 0.000301%
<hr/>								
Surface Water	≤ 500	0.0000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000218	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000262	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000154	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000700	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000257	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000404	<b>0.00000698%</b>	0.000% - 0.000135%	0.000% - 0.0000549%	<b>0.0000414%</b>	0.000% - 0.000135%	0.000% - 0.000135%
<hr/>								
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.05 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000449	<b>0.00615%</b>	0.000% - 0.0187%	0.000% - 0.0131%	<b>0.731%</b>	0.603% - 0.879%	0.619% - 0.855%
	501 - 3,300	0.0000248	<b>0.0000449%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.656%</b>	0.505% - 0.834%	0.527% - 0.810%
	3,301 - 10,000	0.0000308	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.27%</b>	0.962% - 1.62%	0.992% - 1.56%
	10,001 - 50,000	0.0000800	<b>0.000588%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.48%</b>	1.75% - 3.29%	1.88% - 3.21%
	> 50,000	0.0000978	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.43%</b>	2.67% - 4.55%	2.67% - 4.16%
	Total	0.0000414	<b>0.000472%</b>	0.000% - 0.000903%	0.000% - 0.000710%	<b>2.39%</b>	2.01% - 2.89%	2.07% - 2.77%
<hr/>								
Surface Water	≤ 500	0.0000190	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.401%</b>	0.000% - 1.26%	0.000% - 1.06%
	501 - 3,300	0.0000218	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.357%</b>	0.130% - 1.00%	0.130% - 0.885%
	3,301 - 10,000	0.0000262	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.533%</b>	0.000% - 1.42%	0.000% - 1.28%
	10,001 - 50,000	0.0000154	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.198%</b>	0.000% - 0.792%	0.000% - 0.764%
	> 50,000	0.0000700	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>3.39%</b>	2.19% - 4.80%	2.19% - 4.51%
	Total	0.0000257	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>2.86%</b>	1.83% - 4.08%	1.84% - 3.80%
<hr/>								
All Systems - Combined Ground & Surface Water		0.0000404	<b>0.000212%</b>	0.000% - 0.000405%	0.000% - 0.000318%	<b>2.65%</b>	1.98% - 3.39%	2.02% - 3.20%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.56.g. 1,1,1-Trichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.2 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	400	0	200
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>0</b>	<b>100</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>300</b>	<b>0</b>	<b>100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.56.h. 1,1,1-Trichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.1 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	100	0	400	0	400
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>100</b>	<b>0</b>	<b>300</b>	<b>0</b>	<b>300</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>100</b>	<b>0</b>	<b>300</b>	<b>0</b>	<b>300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.56.i. 1,1,1-Trichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.05 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	400	0	1,200	0	800
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>400</b>	<b>0</b>	<b>800</b>	<b>0</b>	<b>600</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>500</b>	<b>0</b>	<b>900</b>	<b>0</b>	<b>700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.56.j. 1,1,1-Trichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	47,500	39,200	57,100	40,200	55,500
	501 - 3,300	101,900	78,400	129,500	81,800	125,800
	3,301 - 10,000	174,600	132,500	223,200	136,600	214,800
	10,001 - 50,000	605,200	428,500	804,100	460,200	784,100
	> 50,000	871,900	679,300	1,158,700	679,300	1,058,900
	<b>GW Total</b>	<b>2,044,400</b>	<b>1,722,200</b>	<b>2,471,900</b>	<b>1,776,200</b>	<b>2,370,000</b>
Surface Water	≤ 500	1,200	0	3,700	0	3,100
	501 - 3,300	10,100	3,700	28,200	3,700	24,900
	3,301 - 10,000	32,400	0	86,200	0	77,900
	10,001 - 50,000	43,200	0	173,000	0	166,900
	> 50,000	3,265,800	2,108,500	4,623,300	2,108,500	4,338,300
	<b>SW Total</b>	<b>3,637,700</b>	<b>2,331,300</b>	<b>5,188,600</b>	<b>2,345,400</b>	<b>4,843,500</b>
<b>Total Ground &amp; Surface Water</b>		<b>5,634,100</b>	<b>4,221,800</b>	<b>7,227,400</b>	<b>4,304,900</b>	<b>6,805,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.57.a. 1,1,2-Trichloroethane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Exceeding Thresholds**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.003 mg/L		
Ground Water	≤ 500	0.0000126	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000146	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000171	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000157	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000132	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000178	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000212	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000337	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000246	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.57.b. 1,1,2-Trichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.57.c. 1,1,2-Trichloroethane - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.57.d. 1,1,2-Trichloroethane - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.003 mg/L		
Ground Water	≤ 500	0.0000126	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000146	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000171	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000157	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000132	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.0000178	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000212	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000337	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000276	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000246	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000140	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.57.e. 1,1,2-Trichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.57.f. 1,1,2-Trichloroethane - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.003 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	0	0	0	0	0
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	0	0	0	0	0
<b>Total Ground &amp; Surface Water</b>		0	0	0	0	0

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.58.a. Trichloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.005 mg/L			Threshold = 0.0025 mg/L		
Ground Water	≤ 500	0.0000551	<b>0.128%</b>	0.0941% - 0.168%	0.101% - 0.161%	<b>0.222%</b>	0.175% - 0.276%	0.182% - 0.269%
	501 - 3,300	0.0000326	<b>0.102%</b>	0.0435% - 0.174%	0.0435% - 0.174%	<b>0.280%</b>	0.196% - 0.370%	0.218% - 0.370%
	3,301 - 10,000	0.000129	<b>0.572%</b>	0.431% - 0.776%	0.431% - 0.776%	<b>1.11%</b>	0.862% - 1.38%	0.862% - 1.38%
	10,001 - 50,000	0.000387	<b>1.56%</b>	1.21% - 1.96%	1.21% - 1.96%	<b>2.97%</b>	2.41% - 3.46%	2.56% - 3.46%
	> 50,000	0.000866	<b>4.05%</b>	3.07% - 4.91%	3.07% - 4.91%	<b>7.15%</b>	6.14% - 8.59%	6.14% - 7.98%
	Total	0.0000707	<b>0.221%</b>	0.186% - 0.256%	0.191% - 0.252%	<b>0.420%</b>	0.368% - 0.466%	0.377% - 0.461%
Surface Water	≤ 500	0.0000143	<b>0.0187%</b>	0.000% - 0.292%	0.000% - 0.292%	<b>0.0531%</b>	0.000% - 0.292%	0.000% - 0.292%
	501 - 3,300	0.00000711	<b>0.00226%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0131%</b>	0.000% - 0.226%	0.000% - 0.226%
	3,301 - 10,000	0.0000100	<b>0.00137%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00341%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000628	<b>0.227%</b>	0.000% - 0.303%	0.000% - 0.303%	<b>0.678%</b>	0.606% - 1.21%	0.606% - 0.909%
	> 50,000	0.000549	<b>3.79%</b>	3.03% - 4.24%	3.64% - 4.24%	<b>6.08%</b>	5.46% - 6.67%	5.46% - 6.67%
	Total	0.0000777	<b>0.450%</b>	0.381% - 0.572%	0.381% - 0.508%	<b>0.795%</b>	0.699% - 0.953%	0.699% - 0.890%
All Systems - Combined Ground & Surface Water		0.0000711	<b>0.236%</b>	0.204% - 0.274%	0.208% - 0.269%	<b>0.445%</b>	0.399% - 0.491%	0.408% - 0.486%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval
			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000551	<b>0.461%</b>	0.383% - 0.544%	0.397% - 0.531%	<b>0.802%</b>	0.692% - 0.934%	0.712% - 0.907%
	501 - 3,300	0.0000326	<b>0.565%</b>	0.435% - 0.718%	0.457% - 0.697%	<b>0.973%</b>	0.762% - 1.20%	0.805% - 1.15%
	3,301 - 10,000	0.000129	<b>1.98%</b>	1.64% - 2.33%	1.72% - 2.33%	<b>3.03%</b>	2.50% - 3.53%	2.67% - 3.45%
	10,001 - 50,000	0.000387	<b>5.22%</b>	4.67% - 5.87%	4.67% - 5.87%	<b>7.61%</b>	6.93% - 8.58%	6.93% - 8.28%
	> 50,000	0.000866	<b>11.3%</b>	9.82% - 12.9%	9.82% - 12.9%	<b>13.8%</b>	11.7% - 16.0%	12.3% - 15.3%
	Total	0.0000707	<b>0.795%</b>	0.718% - 0.876%	0.736% - 0.857%	<b>1.27%</b>	1.17% - 1.39%	1.19% - 1.37%
Surface Water	≤ 500	0.0000143	<b>0.208%</b>	0.000% - 0.583%	0.000% - 0.583%	<b>0.479%</b>	0.000% - 1.17%	0.000% - 0.875%
	501 - 3,300	0.00000711	<b>0.0948%</b>	0.000% - 0.452%	0.000% - 0.226%	<b>0.280%</b>	0.000% - 0.677%	0.000% - 0.677%
	3,301 - 10,000	0.0000100	<b>0.0539%</b>	0.000% - 0.341%	0.000% - 0.341%	<b>0.304%</b>	0.000% - 1.02%	0.000% - 0.683%
	10,001 - 50,000	0.0000628	<b>1.39%</b>	0.909% - 2.12%	0.909% - 1.82%	<b>2.33%</b>	1.52% - 3.03%	1.82% - 3.03%
	> 50,000	0.000549	<b>7.23%</b>	6.67% - 8.49%	6.67% - 8.49%	<b>9.34%</b>	7.88% - 10.9%	7.88% - 10.9%
	Total	0.0000777	<b>1.13%</b>	0.953% - 1.33%	0.953% - 1.33%	<b>1.71%</b>	1.46% - 2.03%	1.46% - 1.97%
All Systems - Combined Ground & Surface Water		0.0000711	<b>0.818%</b>	0.747% - 0.894%	0.760% - 0.877%	<b>1.30%</b>	1.21% - 1.42%	1.22% - 1.39%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.58.b. Trichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	56	41	73	44	70
	501 - 3,300	12	5	21	5	21
	3,301 - 10,000	14	10	19	10	19
	10,001 - 50,000	19	14	23	14	23
	> 50,000	8	6	9	6	9
	<b>GW Total</b>	<b>131</b>	<b>111</b>	<b>152</b>	<b>114</b>	<b>150</b>
Surface Water	≤ 500	0	0	4	0	4
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	0	3	0	3
	> 50,000	15	12	17	15	17
	<b>SW Total</b>	<b>25</b>	<b>21</b>	<b>32</b>	<b>21</b>	<b>28</b>
<b>Total Ground &amp; Surface Water</b>		<b>154</b>	<b>133</b>	<b>178</b>	<b>136</b>	<b>175</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.58.c. Trichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	96	76	120	79	117
	501 - 3,300	34	24	45	26	45
	3,301 - 10,000	27	21	33	21	33
	10,001 - 50,000	35	29	41	30	41
	> 50,000	14	12	16	12	15
	<b>GW Total</b>	<b>250</b>	<b>219</b>	<b>277</b>	<b>224</b>	<b>274</b>
Surface Water	≤ 500	1	0	4	0	4
	501 - 3,300	1	0	4	0	4
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	6	6	11	6	8
	> 50,000	24	22	27	22	27
	<b>SW Total</b>	<b>44</b>	<b>39</b>	<b>53</b>	<b>39</b>	<b>50</b>
<b>Total Ground &amp; Surface Water</b>		<b>290</b>	<b>260</b>	<b>319</b>	<b>265</b>	<b>316</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.



**Table C.58.d. Trichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	200	167	237	172	231
	501 - 3,300	69	53	87	56	85
	3,301 - 10,000	48	39	56	41	56
	10,001 - 50,000	62	56	70	56	70
	> 50,000	21	19	24	19	24
	<b>GW Total</b>	<b>473</b>	<b>427</b>	<b>521</b>	<b>438</b>	<b>510</b>
Surface Water	≤ 500	3	0	9	0	9
	501 - 3,300	2	0	8	0	4
	3,301 - 10,000	1	0	3	0	3
	10,001 - 50,000	13	8	20	8	17
	> 50,000	29	27	34	27	34
	<b>SW Total</b>	<b>63</b>	<b>53</b>	<b>75</b>	<b>53</b>	<b>75</b>
<b>Total Ground &amp; Surface Water</b>		<b>532</b>	<b>486</b>	<b>582</b>	<b>494</b>	<b>570</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.58.e. Trichloroethylene - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	349	301	406	310	395
	501 - 3,300	118	93	146	98	140
	3,301 - 10,000	73	60	85	64	83
	10,001 - 50,000	91	82	102	82	99
	> 50,000	26	22	30	23	29
	<b>GW Total</b>	<b>754</b>	<b>698</b>	<b>828</b>	<b>706</b>	<b>814</b>
Surface Water	≤ 500	7	0	18	0	13
	501 - 3,300	5	0	12	0	12
	3,301 - 10,000	3	0	10	0	7
	10,001 - 50,000	22	14	28	17	28
	> 50,000	38	32	44	32	44
	<b>SW Total</b>	<b>95</b>	<b>82</b>	<b>114</b>	<b>82</b>	<b>110</b>
<b>Total Ground &amp; Surface Water</b>		<b>844</b>	<b>788</b>	<b>920</b>	<b>793</b>	<b>907</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.58.f. Trichloroethylene - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.005 mg/L					Threshold = 0.0025 mg/L			
Ground Water	≤ 500	0.0000551	<b>0.104%</b>	0.0669%	- 0.152%	0.0721%	- 0.143%	<b>0.203%</b>	0.142%	- 0.271%	0.148%	- 0.257%
	501 - 3,300	0.0000326	<b>0.114%</b>	0.0317%	- 0.214%	0.0461%	- 0.198%	<b>0.364%</b>	0.231%	- 0.483%	0.262%	- 0.469%
	3,301 - 10,000	0.000129	<b>0.606%</b>	0.443%	- 0.867%	0.457%	- 0.828%	<b>1.24%</b>	0.933%	- 1.55%	0.989%	- 1.51%
	10,001 - 50,000	0.000387	<b>2.29%</b>	1.88%	- 2.67%	2.01%	- 2.63%	<b>3.86%</b>	3.15%	- 4.66%	3.26%	- 4.53%
	> 50,000	0.000866	<b>2.89%</b>	2.04%	- 3.71%	2.04%	- 3.58%	<b>4.80%</b>	4.12%	- 6.05%	4.12%	- 5.72%
	Total	0.0000707	<b>1.94%</b>	1.56%	- 2.33%	1.60%	- 2.28%	<b>3.30%</b>	2.91%	- 3.82%	2.96%	- 3.70%
Surface Water	≤ 500	0.0000143	<b>0.00911%</b>	0.000%	- 0.139%	0.000%	- 0.139%	<b>0.0259%</b>	0.000%	- 0.139%	0.000%	- 0.139%
	501 - 3,300	0.00000711	<b>0.00165%</b>	0.000%	- 0.000%	0.000%	- 0.000%	<b>0.00755%</b>	0.000%	- 0.115%	0.000%	- 0.0856%
	3,301 - 10,000	0.0000100	<b>0.00155%</b>	0.000%	- 0.000%	0.000%	- 0.000%	<b>0.00332%</b>	0.000%	- 0.000%	0.000%	- 0.000%
	10,001 - 50,000	0.0000628	<b>0.402%</b>	0.000%	- 0.545%	0.000%	- 0.545%	<b>1.26%</b>	1.17%	- 1.79%	1.17%	- 1.66%
	> 50,000	0.000549	<b>15.9%</b>	15.6%	- 16.4%	15.7%	- 16.0%	<b>16.6%</b>	16.4%	- 17.2%	16.4%	- 17.0%
	Total	0.0000777	<b>13.3%</b>	13.0%	- 13.7%	13.1%	- 13.4%	<b>13.9%</b>	13.8%	- 14.5%	13.8%	- 14.3%
All Systems - Combined Ground & Surface Water		0.0000711	<b>8.19%</b>	7.98%	- 8.41%	8.02%	- 8.36%	<b>9.17%</b>	8.95%	- 9.53%	8.97%	- 9.43%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval		Best Estimate of Exceeding Threshold	95% Credible Interval		90% Credible Interval	
				Threshold = 0.001 mg/L					Threshold = 0.0005 mg/L			
Ground Water	≤ 500	0.0000551	<b>0.458%</b>	0.364%	- 0.571%	0.381%	- 0.551%	<b>0.797%</b>	0.669%	- 0.946%	0.687%	- 0.920%
	501 - 3,300	0.0000326	<b>0.680%</b>	0.531%	- 0.850%	0.551%	- 0.827%	<b>1.10%</b>	0.88%	- 1.36%	0.91%	- 1.31%
	3,301 - 10,000	0.000129	<b>2.19%</b>	1.83%	- 2.58%	1.89%	- 2.52%	<b>3.34%</b>	2.83%	- 3.86%	2.92%	- 3.77%
	10,001 - 50,000	0.000387	<b>6.54%</b>	5.82%	- 7.37%	5.93%	- 7.21%	<b>9.18%</b>	8.35%	- 10.1%	8.45%	- 9.95%
	> 50,000	0.000866	<b>9.54%</b>	7.34%	- 11.1%	8.17%	- 10.8%	<b>11.3%</b>	10.0%	- 13.4%	10.1%	- 12.9%
	Total	0.0000707	<b>6.19%</b>	5.38%	- 6.90%	5.67%	- 6.77%	<b>7.90%</b>	7.26%	- 8.69%	7.38%	- 8.53%
Surface Water	≤ 500	0.0000143	<b>0.123%</b>	0.000%	- 0.653%	0.000%	- 0.547%	<b>0.316%</b>	0.000%	- 1.06%	0.000%	- 0.947%
	501 - 3,300	0.00000711	<b>0.0490%</b>	0.000%	- 0.244%	0.000%	- 0.244%	<b>0.161%</b>	0.000%	- 0.594%	0.000%	- 0.473%
	3,301 - 10,000	0.0000100	<b>0.0635%</b>	0.000%	- 0.444%	0.000%	- 0.444%	<b>0.360%</b>	0.000%	- 0.974%	0.000%	- 0.902%
	10,001 - 50,000	0.0000628	<b>2.14%</b>	1.52%	- 3.01%	1.63%	- 2.86%	<b>3.20%</b>	2.24%	- 4.19%	2.58%	- 4.02%
	> 50,000	0.000549	<b>17.4%</b>	16.9%	- 19.6%	16.9%	- 18.9%	<b>19.0%</b>	17.5%	- 21.9%	17.7%	- 21.4%
	Total	0.0000777	<b>14.7%</b>	14.3%	- 16.7%	14.3%	- 16.0%	<b>16.2%</b>	15.0%	- 18.6%	15.1%	- 18.2%
All Systems - Combined Ground & Surface Water		0.0000711	<b>10.9%</b>	10.4%	- 12.0%	10.5%	- 11.7%	<b>12.5%</b>	11.7%	- 13.8%	11.8%	- 13.6%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.58.g. Trichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	6,800	4,400	9,900	4,700	9,300
	501 - 3,300	17,600	4,900	33,200	7,200	30,800
	3,301 - 10,000	83,500	60,900	119,300	62,900	114,000
	10,001 - 50,000	560,700	458,800	651,400	490,800	643,800
	> 50,000	734,000	518,300	943,400	518,300	910,900
	<b>GW Total</b>	<b>1,664,800</b>	<b>1,335,800</b>	<b>1,994,700</b>	<b>1,368,300</b>	<b>1,951,000</b>
Surface Water	≤ 500	0	0	400	0	400
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	87,900	0	119,000	0	119,000
	> 50,000	15,298,700	15,009,900	15,809,000	15,115,800	15,375,700
	<b>SW Total</b>	<b>16,883,500</b>	<b>16,577,900</b>	<b>17,469,200</b>	<b>16,679,800</b>	<b>16,998,100</b>
<b>Total Ground &amp; Surface Water</b>		<b>17,451,800</b>	<b>17,000,200</b>	<b>17,914,000</b>	<b>17,074,700</b>	<b>17,809,600</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.58.h. Trichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0025 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	13,200	9,200	17,600	9,600	16,700
	501 - 3,300	56,400	35,800	75,000	40,700	72,700
	3,301 - 10,000	170,600	128,500	213,600	136,200	207,500
	10,001 - 50,000	944,200	770,400	1,139,500	797,500	1,106,500
	> 50,000	1,220,000	1,047,000	1,538,800	1,047,000	1,455,300
	<b>GW Total</b>	<b>2,825,800</b>	<b>2,495,100</b>	<b>3,269,600</b>	<b>2,534,500</b>	<b>3,167,700</b>
Surface Water	≤ 500	100	0	400	0	400
	501 - 3,300	500	0	3,200	0	2,400
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	274,200	256,300	390,100	256,300	363,600
	> 50,000	15,963,000	15,780,100	16,531,100	15,780,100	16,396,300
	<b>SW Total</b>	<b>17,749,300</b>	<b>17,532,900</b>	<b>18,398,700</b>	<b>17,532,900</b>	<b>18,220,400</b>
<b>Total Ground &amp; Surface Water</b>		<b>19,541,400</b>	<b>19,053,600</b>	<b>20,289,000</b>	<b>19,115,400</b>	<b>20,095,200</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.58.i. Trichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	29,800	23,600	37,100	24,700	35,800
	501 - 3,300	105,600	82,400	132,000	85,600	128,400
	3,301 - 10,000	300,900	251,400	355,400	259,800	346,300
	10,001 - 50,000	1,597,300	1,422,500	1,802,100	1,448,400	1,762,300
	> 50,000	2,427,500	1,867,300	2,829,300	2,079,700	2,747,800
	<b>GW Total</b>	<b>5,302,000</b>	<b>4,605,400</b>	<b>5,915,500</b>	<b>4,860,700</b>	<b>5,796,400</b>
Surface Water	≤ 500	400	0	1,900	0	1,600
	501 - 3,300	1,400	0	6,900	0	6,900
	3,301 - 10,000	3,900	0	27,000	0	27,000
	10,001 - 50,000	467,900	332,200	658,400	356,000	625,000
	> 50,000	16,714,000	16,271,100	18,870,600	16,271,100	18,206,300
	<b>SW Total</b>	<b>18,717,000</b>	<b>18,144,000</b>	<b>21,238,100</b>	<b>18,156,800</b>	<b>20,346,800</b>
<b>Total Ground &amp; Surface Water</b>		<b>23,196,600</b>	<b>22,238,100</b>	<b>25,624,900</b>	<b>22,365,900</b>	<b>24,900,700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.58.j. Trichloroethylene - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	51,800	43,500	61,500	44,600	59,800
	501 - 3,300	171,400	137,200	211,600	140,800	202,800
	3,301 - 10,000	459,400	389,600	530,800	402,000	519,000
	10,001 - 50,000	2,242,600	2,039,700	2,471,100	2,065,100	2,432,700
	> 50,000	2,880,100	2,546,800	3,401,700	2,559,600	3,289,800
	<b>GW Total</b>	<b>6,769,700</b>	<b>6,221,300</b>	<b>7,444,900</b>	<b>6,322,500</b>	<b>7,312,100</b>
Surface Water	≤ 500	900	0	3,100	0	2,800
	501 - 3,300	4,500	0	16,700	0	13,300
	3,301 - 10,000	21,900	0	59,200	0	54,900
	10,001 - 50,000	700,100	488,600	915,800	564,200	877,600
	> 50,000	18,273,700	16,868,000	21,085,000	17,031,700	20,584,400
	<b>SW Total</b>	<b>20,614,200</b>	<b>19,111,700</b>	<b>23,670,000</b>	<b>19,213,600</b>	<b>23,186,200</b>
<b>Total Ground &amp; Surface Water</b>		<b>26,583,400</b>	<b>24,943,300</b>	<b>29,352,500</b>	<b>25,135,000</b>	<b>29,054,300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.59.a. Vinyl Chloride - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 0.002 mg/L			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0000492%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000922%</b>	0.000% - 0.00615%	0.000% - 0.00615%
	501 - 3,300	0.0000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000420%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000172	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000171%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0360%</b>	0.000% - 0.171%	0.000% - 0.0857%
	10,001 - 50,000	0.0000210	<b>0.130%</b>	0.000% - 0.151%	0.000% - 0.151%	<b>0.151%</b>	0.151% - 0.151%	0.151% - 0.151%	<b>0.447%</b>	0.302% - 0.453%	0.453% - 0.453%
	> 50,000	0.0000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.528%</b>	0.000% - 0.617%	0.000% - 0.617%	<b>0.701%</b>	0.617% - 1.24%	0.617% - 1.24%
	Total	0.0000126	<b>0.00374%</b>	0.000% - 0.00434%	0.000% - 0.00434%	<b>0.00810%</b>	0.00434% - 0.00869%	0.00434% - 0.00869%	<b>0.0204%</b>	0.0130% - 0.0304%	0.0174% - 0.0261%
Surface Water	≤ 500	0.0000174	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00417%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.0000180	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00134%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000207	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00274%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000158	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00121%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000168	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00190%</b>	0.000% - 0.0633%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000128	<b>0.00350%</b>	0.000% - 0.00406%	0.000% - 0.00406%	<b>0.00758%</b>	0.00406% - 0.00813%	0.00406% - 0.00813%	<b>0.0192%</b>	0.0122% - 0.0285%	0.0163% - 0.0244%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.59.b. Vinyl Chloride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.59.c. Vinyl Chloride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	2	2	2	2	2
	> 50,000	1	0	1	0	1
	<b>GW Total</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>5</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>5</b>	<b>3</b>	<b>5</b>	<b>3</b>	<b>5</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.59.d. Vinyl Chloride - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	1	0	3	0	3
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	1	0	4	0	2
	10,001 - 50,000	5	4	5	5	5
	> 50,000	1	1	2	1	2
	<b>GW Total</b>	<b>12</b>	<b>8</b>	<b>18</b>	<b>10</b>	<b>15</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>12</b>	<b>8</b>	<b>19</b>	<b>11</b>	<b>16</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.59.e. Vinyl Chloride - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval	
				Threshold = 0.002 mg/L			Threshold = 0.001 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000119	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000128%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00158%</b>	0.000% - 0.0159%	0.000% - 0.01594%	
	501 - 3,300	0.0000122	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000790%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000172	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000253%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0274%</b>	0.000% - 0.142%	0.000% - 0.0842%	
	10,001 - 50,000	0.0000210	<b>0.190%</b>	0.000% - 0.220%	0.000% - 0.220%	<b>0.220%</b>	0.220% - 0.220%	0.220% - 0.220%	<b>0.456%</b>	0.363% - 0.460%	0.460% - 0.460%	
	> 50,000	0.0000239	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.349%</b>	0.000% - 0.408%	0.000% - 0.408%	<b>0.515%</b>	0.408% - 1.20%	0.408% - 1.20%	
	Total	0.0000126	<b>0.0545%</b>	0.000% - 0.0632%	0.000% - 0.0632%	<b>0.205%</b>	0.0632% - 0.228%	0.0632% - 0.228%	<b>0.343%</b>	0.269% - 0.626%	0.297% - 0.626%	
Surface Water	≤ 500	0.0000174	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00770%</b>	0.000% - 0.000%	0.000% - 0.000%	
	501 - 3,300	0.0000180	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00138%</b>	0.000% - 0.000%	0.000% - 0.000%	
	3,301 - 10,000	0.0000207	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00224%</b>	0.000% - 0.000%	0.000% - 0.000%	
	10,001 - 50,000	0.0000116	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	
	> 50,000	0.0000158	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000778%</b>	0.000% - 0.000%	0.000% - 0.000%	
	Total	0.0000168	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000734%</b>	0.000% - 0.000489%	0.000% - 0.000%	
All Systems - Combined Ground & Surface Water		0.0000128	<b>0.0244%</b>	0.000% - 0.0283%	0.000% - 0.0283%	<b>0.0916%</b>	0.0283% - 0.102%	0.0283% - 0.102%	<b>0.154%</b>	0.121% - 0.281%	0.133% - 0.281%	

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.59.f. Vinyl Chloride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.002 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	46,300	0	53,700	0	53,700
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>46,700</b>	<b>0</b>	<b>54,200</b>	<b>0</b>	<b>54,200</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>52,000</b>	<b>0</b>	<b>60,300</b>	<b>0</b>	<b>60,300</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.59.g. Vinyl Chloride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.001 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	53,700	53,700	53,700	53,700	53,700
	> 50,000	88,900	0	103,800	0	103,800
	<b>GW Total</b>	<b>175,200</b>	<b>54,200</b>	<b>195,500</b>	<b>54,200</b>	<b>195,500</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>195,200</b>	<b>60,300</b>	<b>217,900</b>	<b>60,300</b>	<b>217,900</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.59.h. Vinyl Chloride - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	100	0	1,000	0	1,000
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	3,800	0	19,600	0	11,600
	10,001 - 50,000	111,500	88,700	112,400	112,400	112,400
	> 50,000	131,000	103,800	305,800	103,800	305,800
	<b>GW Total</b>	<b>294,100</b>	<b>230,700</b>	<b>536,400</b>	<b>254,600</b>	<b>536,400</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>600</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>328,700</b>	<b>257,100</b>	<b>597,900</b>	<b>283,700</b>	<b>597,700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.60.a. Xylenes (Total) - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on the Number of Systems**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 10 mg/L			Threshold = 5 mg/L			Threshold = 4 mg/L		
Ground Water	≤ 500	0.0000549	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000850	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000464	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000206	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0000668	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Surface Water	≤ 500	0.000263	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000151	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000718	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000633	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	Total	0.0002385	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000772	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval	Best Estimate of Exceeding Threshold	95% Credible Interval	90% Credible Interval
			Threshold = 2.5 mg/L			Threshold = 0.005 mg/L			Threshold = 0.0005 mg/L		
Ground Water	≤ 500	0.0000549	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.106%</b>	0.0414% - 0.180%	0.0483% - 0.166%	<b>1.60%</b>	1.09% - 2.05%	1.15% - 2.00%
	501 - 3,300	0.000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.181%</b>	0.0456% - 0.365%	0.0456% - 0.342%	<b>3.46%</b>	2.35% - 4.61%	2.44% - 4.47%
	3,301 - 10,000	0.0000850	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.165%</b>	0.000% - 0.454%	0.000% - 0.363%	<b>2.99%</b>	1.91% - 4.27%	2.09% - 4.09%
	10,001 - 50,000	0.0000464	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0131%</b>	0.000% - 0.156%	0.000% - 0.156%	<b>1.63%</b>	0.622% - 2.80%	0.778% - 2.64%
	> 50,000	0.0000206	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.513%</b>	0.000% - 1.88%	0.000% - 1.25%
	Total	0.0000668	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.122%</b>	0.0481% - 0.207%	0.0529% - 0.193%	<b>2.06%</b>	1.45% - 2.59%	1.49% - 2.54%
Surface Water	≤ 500	0.000263	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.844%</b>	0.347% - 1.74%	0.347% - 1.39%	<b>6.07%</b>	3.47% - 10.8%	3.47% - 9.72%
	501 - 3,300	0.000151	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.423%</b>	0.000% - 1.04%	0.000% - 1.04%	<b>4.54%</b>	2.59% - 7.00%	2.85% - 6.48%
	3,301 - 10,000	0.000718	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.974%</b>	0.443% - 1.77%	0.443% - 1.33%	<b>4.86%</b>	2.66% - 7.08%	3.10% - 7.08%
	10,001 - 50,000	0.0000633	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0764%</b>	0.000% - 0.364%	0.000% - 0.364%	<b>2.03%</b>	0.727% - 4.00%	0.727% - 3.64%
	> 50,000	0.0000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00886%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.684%</b>	0.000% - 2.53%	0.000% - 1.90%
	Total	0.0002385	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.487%</b>	0.225% - 0.825%	0.225% - 0.750%	<b>3.95%</b>	2.63% - 5.40%	2.78% - 5.18%
All Systems - Combined Ground & Surface Water		0.0000772	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.144%</b>	0.0678% - 0.235%	0.0724% - 0.217%	<b>2.17%</b>	1.53% - 2.71%	1.60% - 2.66%

All mean concentration and percentage estimates are expressed to three significant figures.



**Table C.60.b. Xylenes (Total) - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 10 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.60.c. Xylenes (Total) - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 5 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.60.d. Xylenes (Total) - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 4 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.60.e. Xylenes (Total) - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 2.5 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.60.f. Xylenes (Total) - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	46	18	78	21	72
	501 - 3,300	22	6	44	6	42
	3,301 - 10,000	4	0	11	0	9
	10,001 - 50,000	0	0	2	0	2
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>72</b>	<b>29</b>	<b>123</b>	<b>31</b>	<b>114</b>
Surface Water	≤ 500	13	5	27	5	21
	501 - 3,300	7	0	18	0	18
	3,301 - 10,000	10	4	18	4	13
	10,001 - 50,000	1	0	3	0	3
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>27</b>	<b>13</b>	<b>46</b>	<b>13</b>	<b>42</b>
<b>Total Ground &amp; Surface Water</b>		<b>93</b>	<b>44</b>	<b>153</b>	<b>47</b>	<b>141</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.60.g. Xylenes (Total) - Systems - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	696	475	892	502	871
	501 - 3,300	421	285	560	297	543
	3,301 - 10,000	72	46	103	50	98
	10,001 - 50,000	19	7	33	9	31
	> 50,000	1	0	4	0	2
	<b>GW Total</b>	<b>1,224</b>	<b>861</b>	<b>1,539</b>	<b>887</b>	<b>1,510</b>
Surface Water	≤ 500	93	53	165	53	149
	501 - 3,300	77	44	119	49	110
	3,301 - 10,000	49	27	72	31	72
	10,001 - 50,000	19	7	37	7	34
	> 50,000	3	0	10	0	8
	<b>SW Total</b>	<b>221</b>	<b>147</b>	<b>302</b>	<b>155</b>	<b>289</b>
<b>Total Ground &amp; Surface Water</b>		<b>1,413</b>	<b>994</b>	<b>1,762</b>	<b>1,041</b>	<b>1,732</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

System estimates are rounded to the nearest whole number.

**Table C.60.h. Xylenes (Total) - 16 Cross-Section States - Mean Concentration, Best Estimate, and Credible Intervals Based on Population Served**

Source Water Type	Population Served	Mean Concentration Value (mg/L)	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%	Best Estimate of Exceeding Threshold	95%	90%
				Credible Interval	Credible Interval		Credible Interval	Credible Interval		Credible Interval	Credible Interval
<b>Threshold = 10 mg/L</b>											
Ground Water	< 500	0.000549	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.0000850	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000464	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000206	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Total	0.0000668	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<b>Threshold = 5 mg/L</b>											
Surface Water	< 500	0.000263	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	501 - 3,300	0.000151	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	3,301 - 10,000	0.000718	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	10,001 - 50,000	0.0000633	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
	> 50,000	0.0000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
Total	0.0002385	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
All Systems - Combined Ground & Surface Water		0.0000772	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%
<b>Threshold = 2.5 mg/L</b>											
Ground Water	≤ 500	0.000549	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.125%</b>	0.0410% - 0.217%	0.0550% - 0.206%	<b>1.74%</b>	1.18% - 2.21%	1.24% - 2.17%
	501 - 3,300	0.000107	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.175%</b>	0.0287% - 0.371%	0.0446% - 0.341%	<b>3.51%</b>	2.37% - 4.67%	2.44% - 4.48%
	3,301 - 10,000	0.0000850	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.159%</b>	0.000% - 0.437%	0.000% - 0.384%	<b>3.01%</b>	1.94% - 4.26%	2.08% - 4.11%
	10,001 - 50,000	0.0000464	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0103%</b>	0.000% - 0.153%	0.000% - 0.0934%	<b>1.51%</b>	0.691% - 2.63%	0.797% - 2.47%
	> 50,000	0.0000206	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.454%</b>	0.000% - 2.52%	0.000% - 2.12%
Total	0.0000668	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0506%</b>	0.0103% - 0.119%	0.0138% - 0.102%	<b>1.52%</b>	0.925% - 2.52%	0.969% - 2.39%	
Surface Water	≤ 500	0.000263	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.847%</b>	0.189% - 2.26%	0.189% - 1.83%	<b>6.51%</b>	3.41% - 11.6%	3.82% - 10.5%
	501 - 3,300	0.000151	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.316%</b>	0.000% - 1.06%	0.000% - 0.912%	<b>4.22%</b>	2.17% - 6.56%	2.42% - 6.10%
	3,301 - 10,000	0.000718	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.18%</b>	0.460% - 1.84%	0.494% - 1.59%	<b>4.86%</b>	2.72% - 7.32%	2.93% - 6.94%
	10,001 - 50,000	0.0000633	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0701%</b>	0.000% - 0.409%	0.000% - 0.409%	<b>1.72%</b>	0.409% - 3.51%	0.552% - 3.11%
	> 50,000	0.0000259	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.00315%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>1.31%</b>	0.000% - 11.6%	0.000% - 11.3%
Total	0.0002385	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0438%</b>	0.0133% - 0.107%	0.0196% - 0.0838%	<b>1.48%</b>	0.206% - 10.3%	0.233% - 9.90%	
All Systems - Combined Ground & Surface Water		0.0000772	<b>0.000%</b>	0.000% - 0.000%	0.000% - 0.000%	<b>0.0469%</b>	0.0191% - 0.0923%	0.0208% - 0.0827%	<b>1.50%</b>	0.615% - 6.33%	0.639% - 6.16%

All mean concentration and percentage estimates are expressed to three significant figures.

**Table C.60.i. Xylenes (Total) - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 10 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.



**Table C.60.j. Xylenes (Total) - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 5 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.60.k. Xylenes (Total) - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 4 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.60.I. Xylenes (Total) - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 2.5 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Surface Water	≤ 500	0	0	0	0	0
	501 - 3,300	0	0	0	0	0
	3,301 - 10,000	0	0	0	0	0
	10,001 - 50,000	0	0	0	0	0
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Ground &amp; Surface Water</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.60.m. Xylenes (Total) - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	8,100	2,700	14,100	3,600	13,400
	501 - 3,300	27,200	4,500	57,700	6,900	52,900
	3,301 - 10,000	21,900	0	60,200	0	52,900
	10,001 - 50,000	0	0	37,400	0	22,800
	> 50,000	0	0	0	0	0
	<b>GW Total</b>	<b>43,300</b>	<b>8,800</b>	<b>102,300</b>	<b>11,800</b>	<b>87,100</b>
Surface Water	≤ 500	2,500	600	6,600	600	5,300
	501 - 3,300	8,900	0	30,000	0	25,700
	3,301 - 10,000	71,700	28,000	111,800	30,000	96,600
	10,001 - 50,000	15,300	0	89,400	0	89,400
	> 50,000	0	0	0	0	0
	<b>SW Total</b>	<b>55,800</b>	<b>16,900</b>	<b>135,600</b>	<b>24,900</b>	<b>106,700</b>
<b>Total Ground &amp; Surface Water</b>		<b>99,900</b>	<b>40,800</b>	<b>196,600</b>	<b>44,300</b>	<b>176,100</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

**Table C.60.n. Xylenes (Total) - Population Served - National Best Estimate Including Estimate Range Based on Credible Bounds (Threshold = 0.0005 mg/L)**

Source Water Type	Population Served	National Estimate of Population Served by Systems Exceeding the Specified Threshold				
		using best estimate	using lower 95% CB	using upper 95% CB	using lower 90% CB	using upper 90% CB
Ground Water	≤ 500	112,900	76,400	143,900	80,600	141,100
	501 - 3,300	545,600	368,500	724,400	379,300	695,300
	3,301 - 10,000	414,300	267,000	587,200	286,100	566,200
	10,001 - 50,000	367,900	168,900	641,800	194,900	603,500
	> 50,000	115,400	0	640,700	0	538,400
	<b>GW Total</b>	<b>1,302,400</b>	<b>792,600</b>	<b>2,162,600</b>	<b>830,300</b>	<b>2,043,500</b>
Surface Water	≤ 500	19,000	10,000	33,800	11,200	30,600
	501 - 3,300	119,000	61,200	184,800	68,200	172,000
	3,301 - 10,000	295,500	165,400	445,400	178,300	422,000
	10,001 - 50,000	375,600	89,400	767,900	120,700	680,300
	> 50,000	1,256,400	0	11,168,300	0	10,841,000
	<b>SW Total</b>	<b>1,880,600</b>	<b>262,300</b>	<b>13,051,000</b>	<b>296,900</b>	<b>12,610,400</b>
<b>Total Ground &amp; Surface Water</b>		<b>3,188,700</b>	<b>1,309,600</b>	<b>13,479,200</b>	<b>1,361,500</b>	<b>13,127,700</b>

Estimates are generated separately for each level of aggregation. Therefore, estimates for the individual size stratum will not add to estimated totals at the source water level of aggregation, and estimates for the source water strata ("GW Total" and "SW Total") will not add to the total estimated for all systems ("Total Ground & Surface Water").

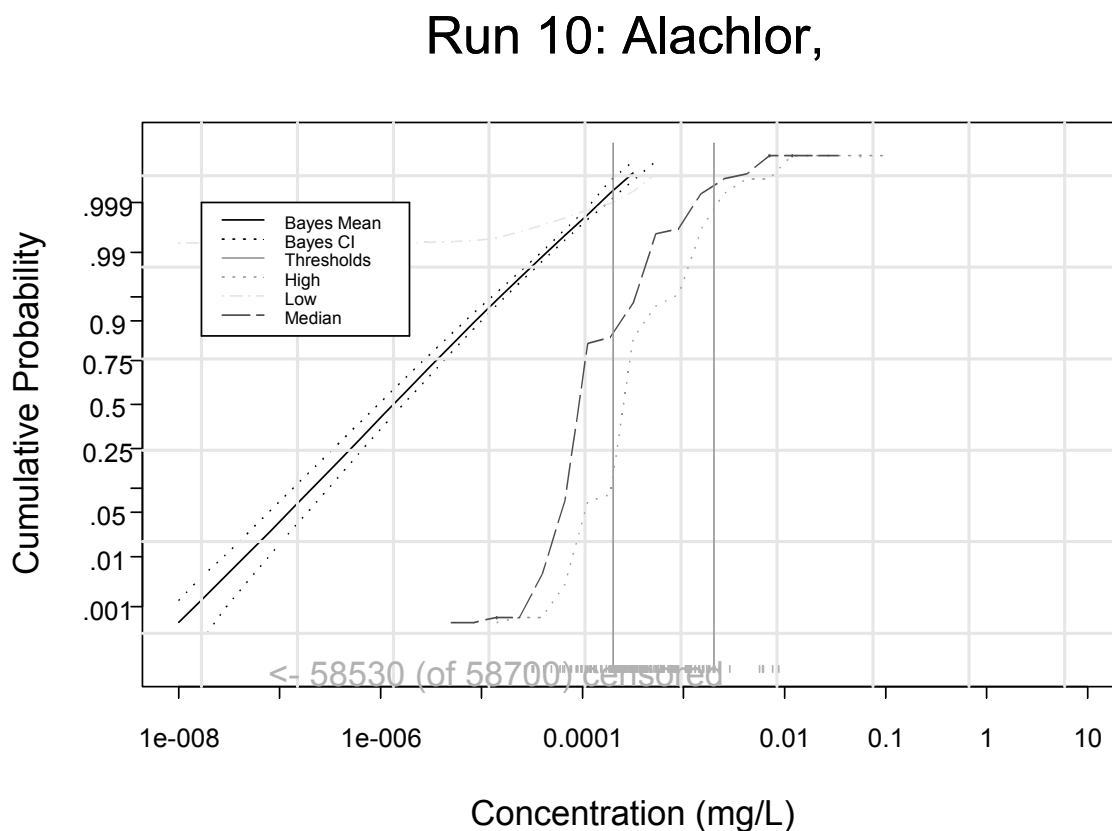
An additional rounding convention is applied to population-served estimates. The primary model estimation output is the number of systems. In a specific size category, model output can be a fraction of a system and therefore, the raw model output for the associated population-served estimate can also be a fractional value. For this reason, fractional population-served estimates are rounded up to the value of the lower bound of the population-served size category if the population estimate is greater than one-half the value of the lower bound (e.g. 1,651 is rounded up to 3,300 for the 3,301 to 10,000 size category).

Population estimates are rounded to the nearest hundred.

## **Appendix D.**

- Figure D.1. Alachlor -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.2. Beryllium -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.3. Carbofuran -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.4. Chromium -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.5. 1,4-Dichlorobenzene -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.6. Diquat -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.7. Fluoride -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.8. Glyphosate -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.9. Heptachlor -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.10. Heptachlor Epoxide -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.11. Hexachlorobenzene -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.12. Oxamyl -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.13. Picloram -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.14. Tetrachloroethylene -- Bounding Analysis of the Distribution of Model Estimated System Means
- Figure D.15. Thallium -- Bounding Analysis of the Distribution of Model Estimated System Means

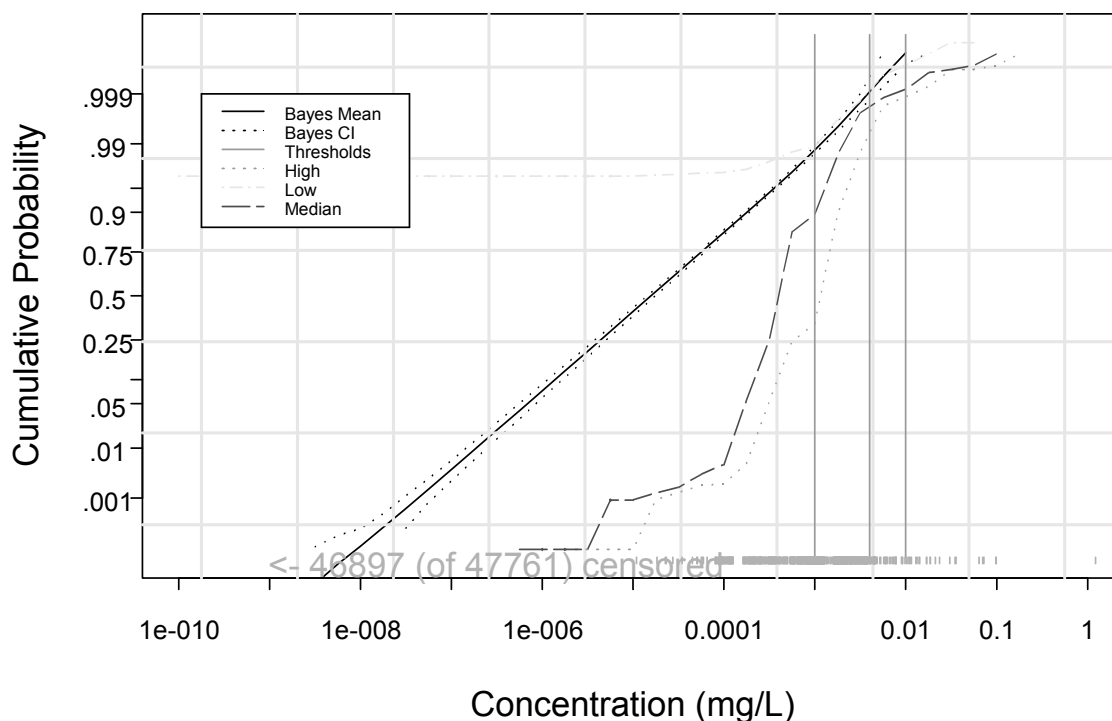
**Figure D.1. Alachlor -- Bounding Analysis of the Distribution of Model Estimated System Means**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for alachlor (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.0001 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.0002 mg/L). The two vertical lines represent the contaminant concentration thresholds of interest for alachlor: 0.002 mg/L, and 0.0002 mg/L.

**Figure D.2. Beryllium -- Bounding Analysis of the Distribution of Model Estimated System Means**

**Run 4: Beryllium,**

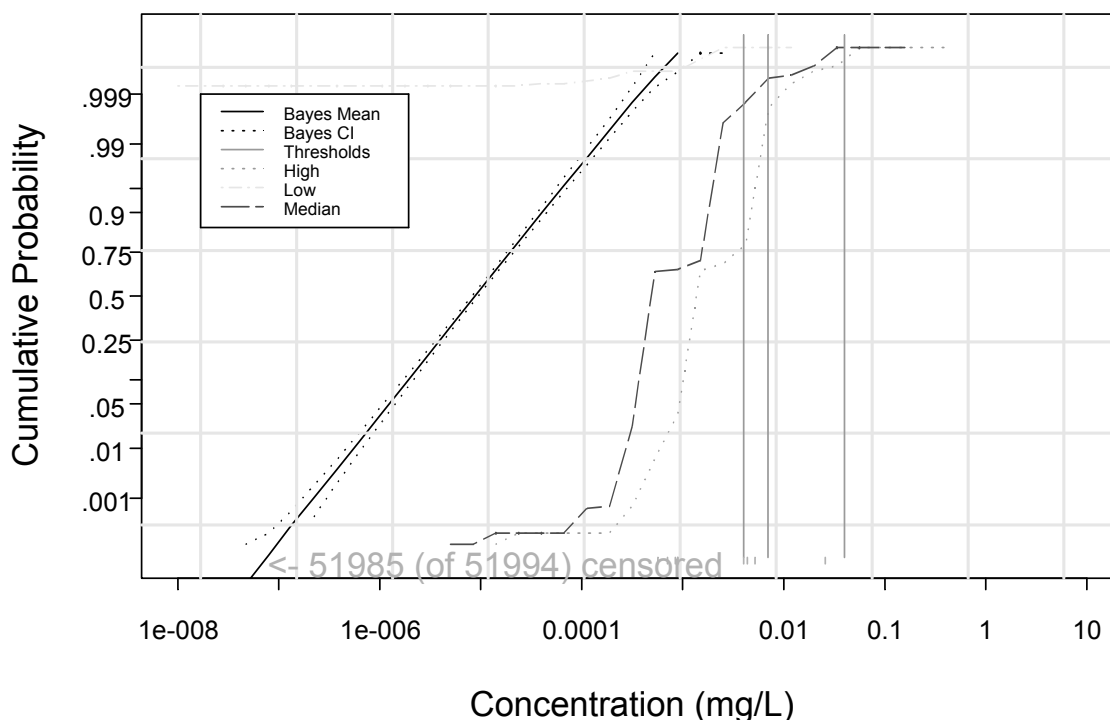


This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for beryllium (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.0005 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.001 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for beryllium: 0.01 mg/L, 0.004 mg/L, and 0.001 mg/L.



**Figure D.3. Carbofuran -- Bounding Analysis of the Distribution of Model Estimated System Means**

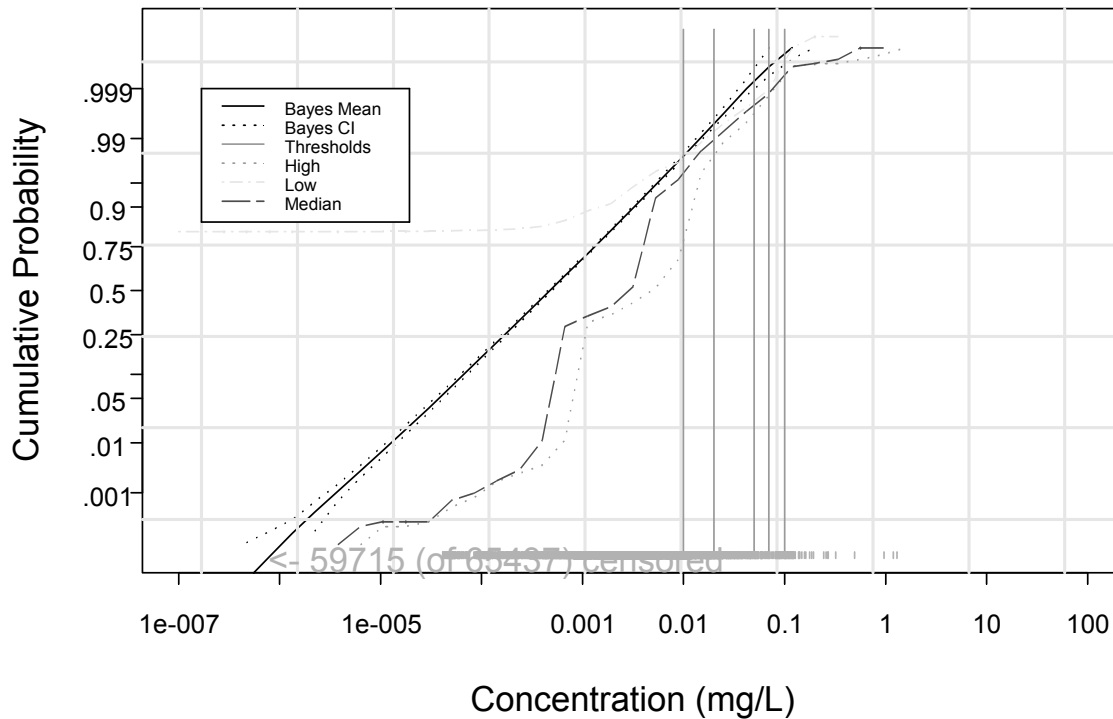
**Run 16: Carbofuran,**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for carbofuran (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.00045 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.0009 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for carbofuran: 0.04 mg/L, 0.007 mg/L, and 0.004 mg/L.

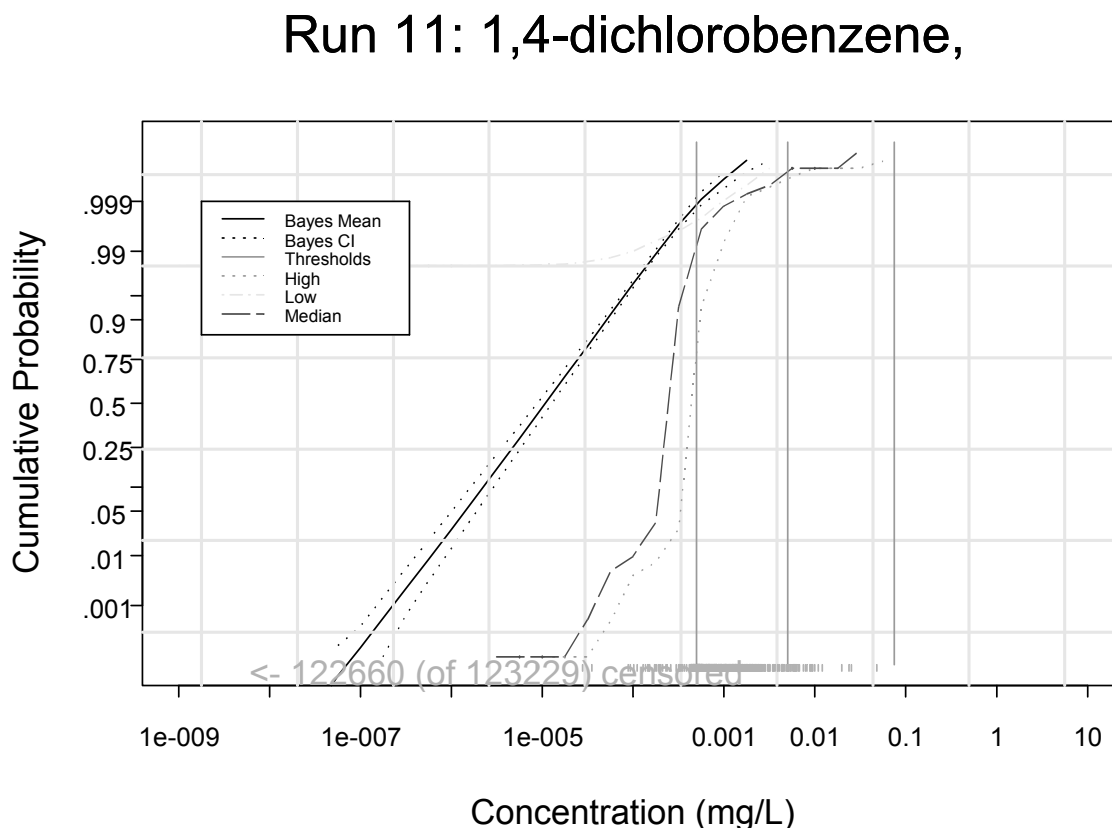
**Figure D.4. Chromium -- Bounding Analysis of the Distribution of Model Estimated System Means**

**Run 3: Chromium,**



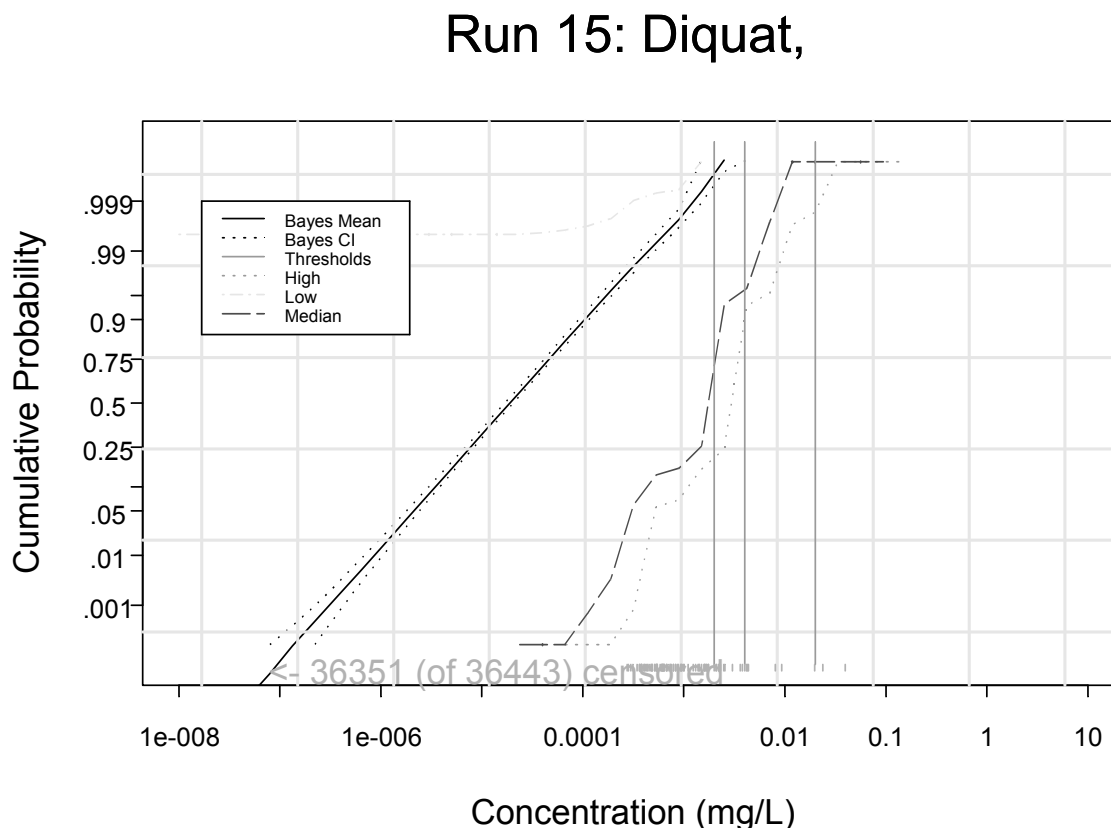
This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for chromium (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.005 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.01 mg/L). The five vertical lines represent the contaminant concentration thresholds of interest for chromium: 0.1 mg/L, 0.07 mg/L, 0.05 mg/L, 0.02 mg/L, and 0.01 mg/L.

**Figure D.5. 1,4-Dichlorobenzene -- Bounding Analysis of the Distribution of Model Estimated System Means**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for 1,4-dichlorobenzene (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.00025 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.0005 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for 1,4-dichlorobenzene: 0.075 mg/L, 0.005 mg/L, and 0.0005 mg/L.

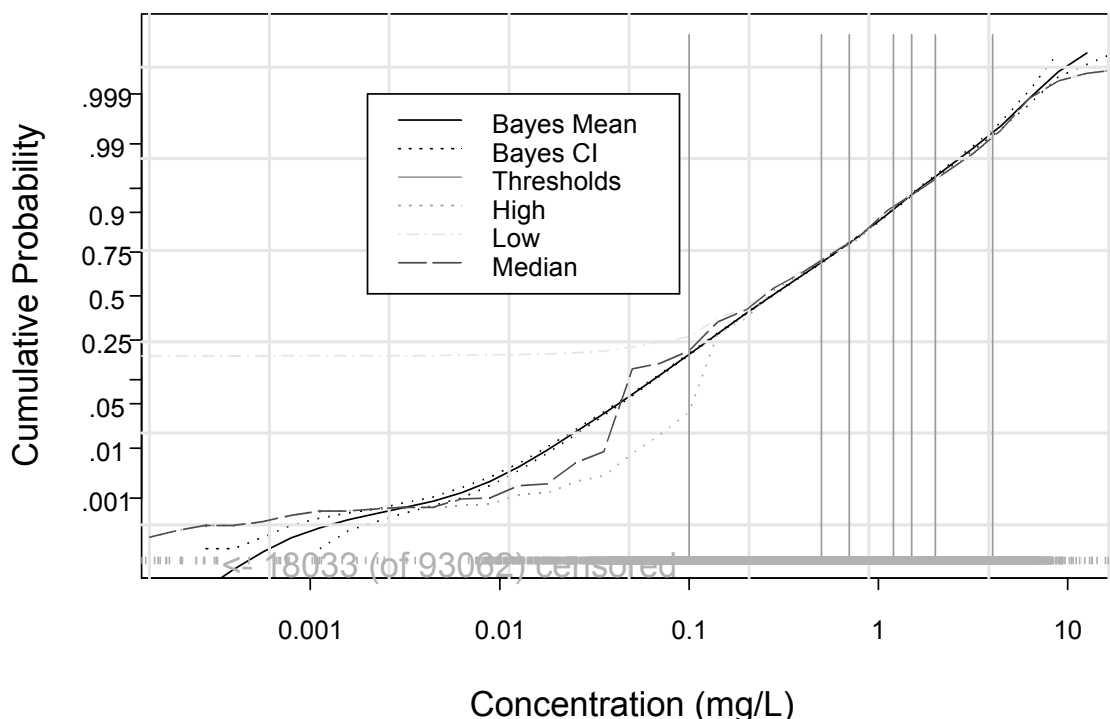
**Figure D.6. Diquat -- Bounding Analysis of the Distribution of Model Estimated System Means**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for diquat (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.0002 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.0004 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for diquat: 0.02 mg/L, 0.004 mg/L, and 0.002 mg/L.

**Figure D.7. Fluoride -- Bounding Analysis of the Distribution of Model Estimated System Means**

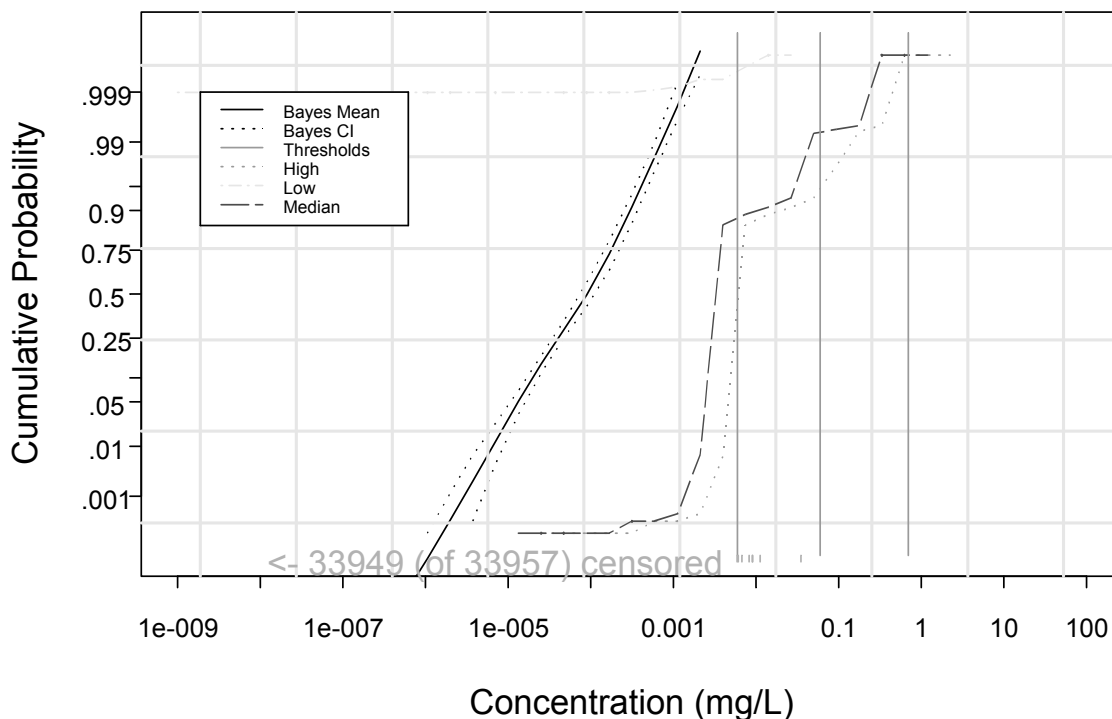
Run 2: Fluoride,



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for fluoride (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.05 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.1 mg/L). The seven vertical lines represent the contaminant concentration thresholds of interest for fluoride: 4 mg/L, 2 mg/L, 1.5 mg/L, 1.2 mg/L, 0.7 mg/L, 0.5 mg/L, and 0.1 mg/L. Note: Fluoride occurrence was also assessed relative to 3 mg/L. However, this threshold is not presented in the above figure.

**Figure D.8. Glyphosate -- Bounding Analysis of the Distribution of Model Estimated System Means**

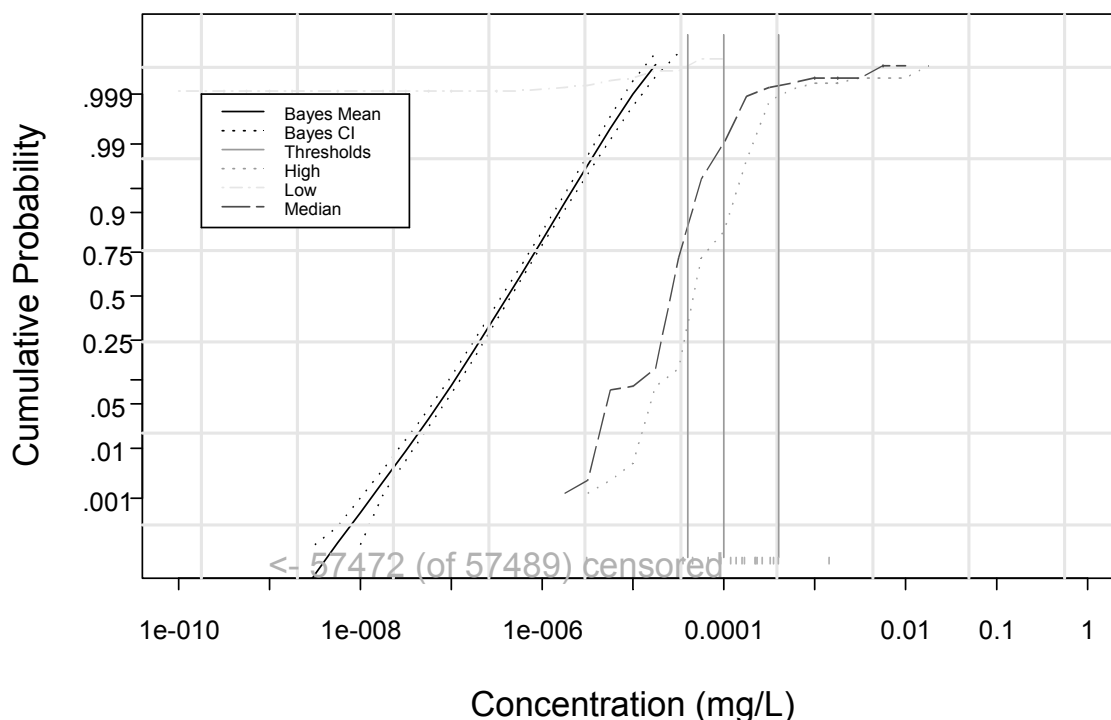
**Run 12: Glyphosate,**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for glyphosate (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.003 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.006 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for glyphosate: 0.7 mg/L, 0.06 mg/L, and 0.006 mg/L.

**Figure D.9. Heptachlor -- Bounding Analysis of the Distribution of Model Estimated System Means**

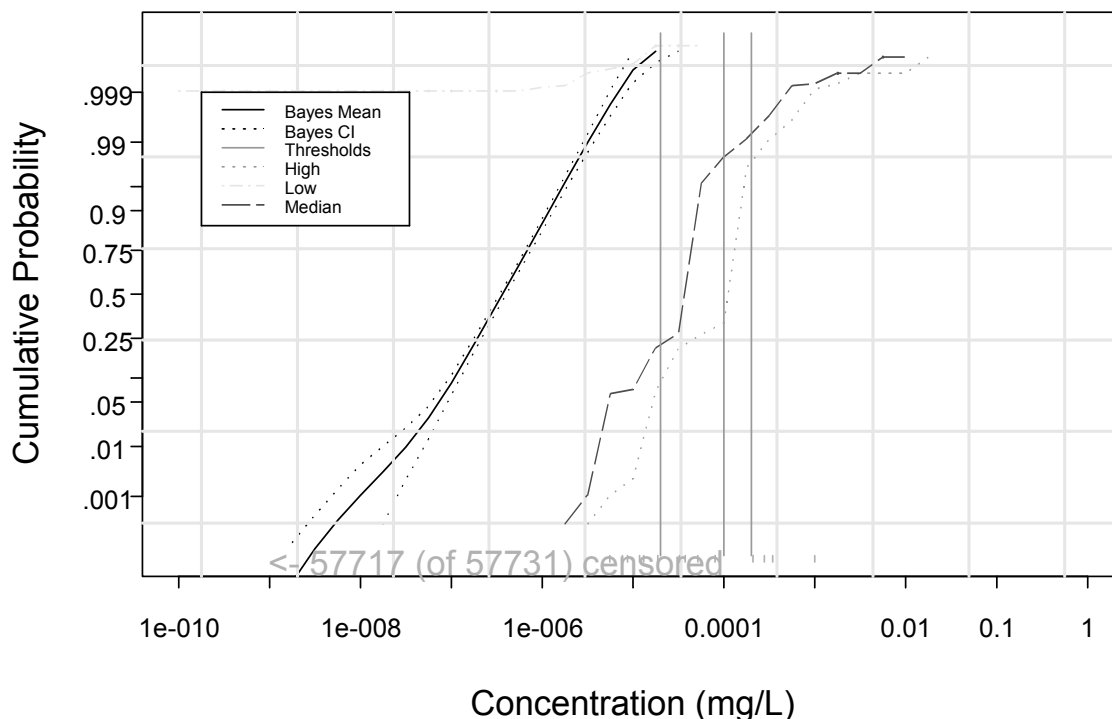
**Run 8: Heptachlor,**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for heptachlor (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.00002 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.00004 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for heptachlor: 0.0004 mg/L, 0.0001 mg/L, and 0.00004 mg/L.

**Figure D.10. Heptachlor Epoxide -- Bounding Analysis of the Distribution of Model Estimated System Means**

**Run 7: Heptachlor Epoxide,**

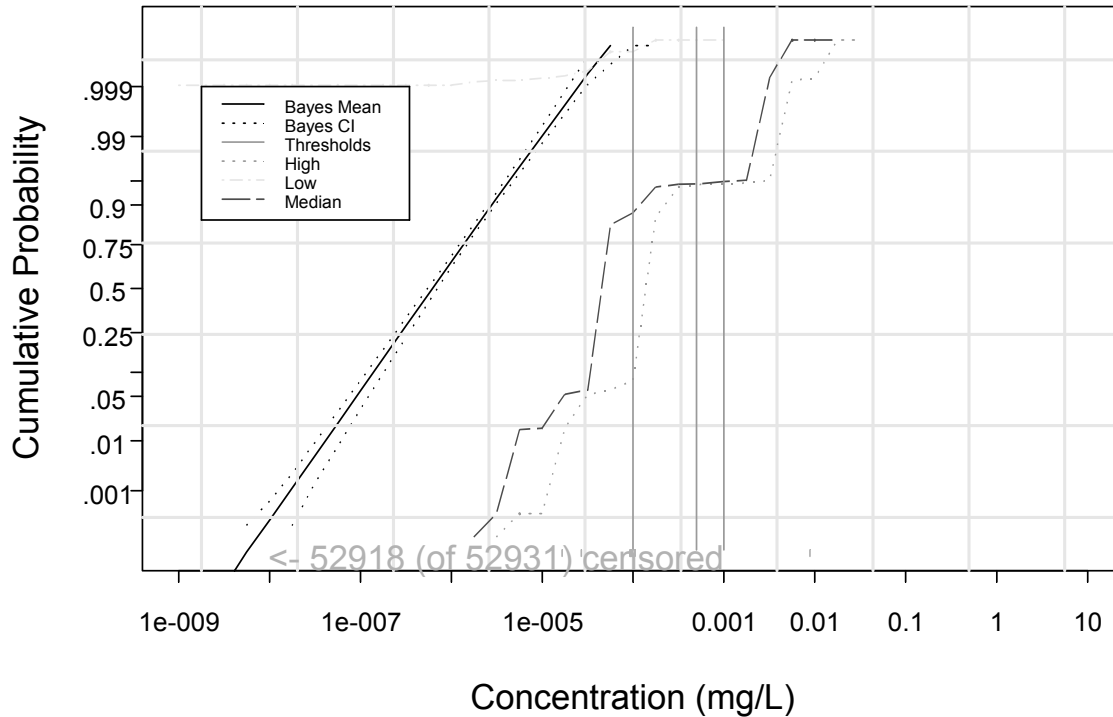


This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for heptachlor epoxide (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.00001 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.00002 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for heptachlor epoxide: 0.0002 mg/L, 0.0001 mg/L, and 0.00002 mg/L.



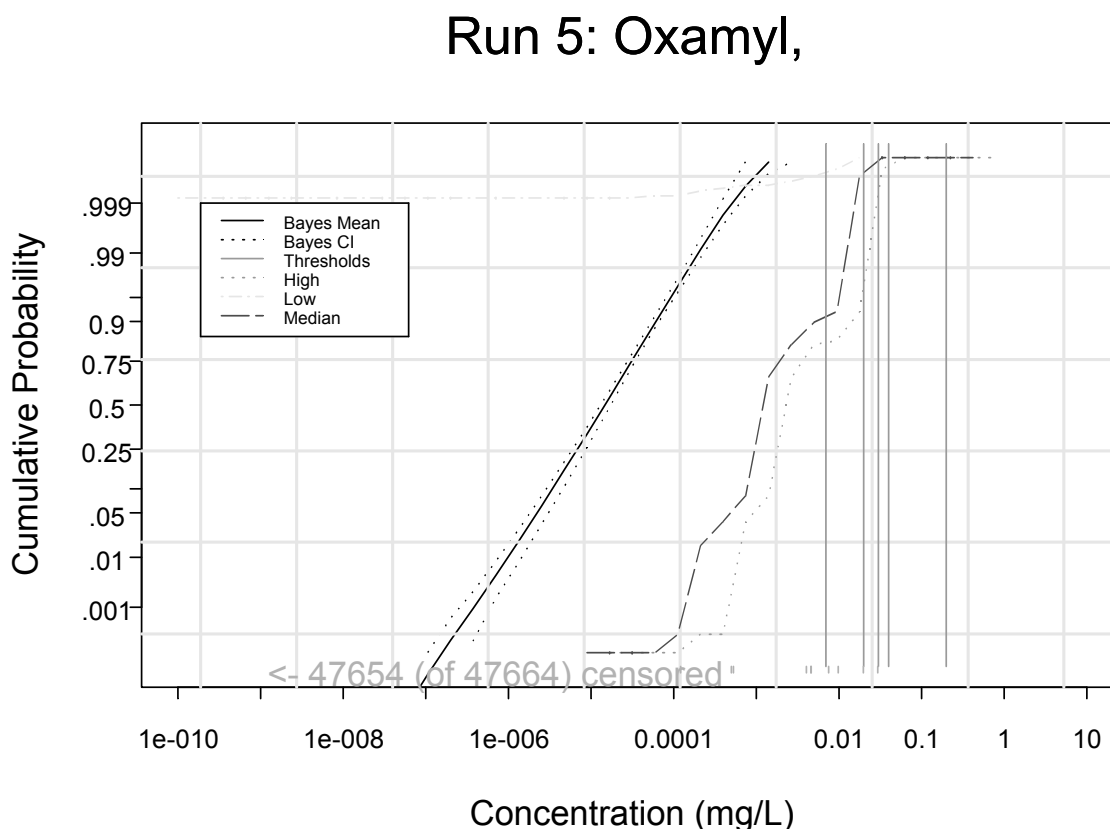
**Figure D.11. Hexachlorobenzene -- Bounding Analysis of the Distribution of Model Estimated System Means**

**Run 13: Hexachlorobenzene,**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for hexachlorobenzene (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.00005 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.0001 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for hexachlorobenzene: 0.001 mg/L, 0.0005 mg/L, and 0.0001 mg/L.

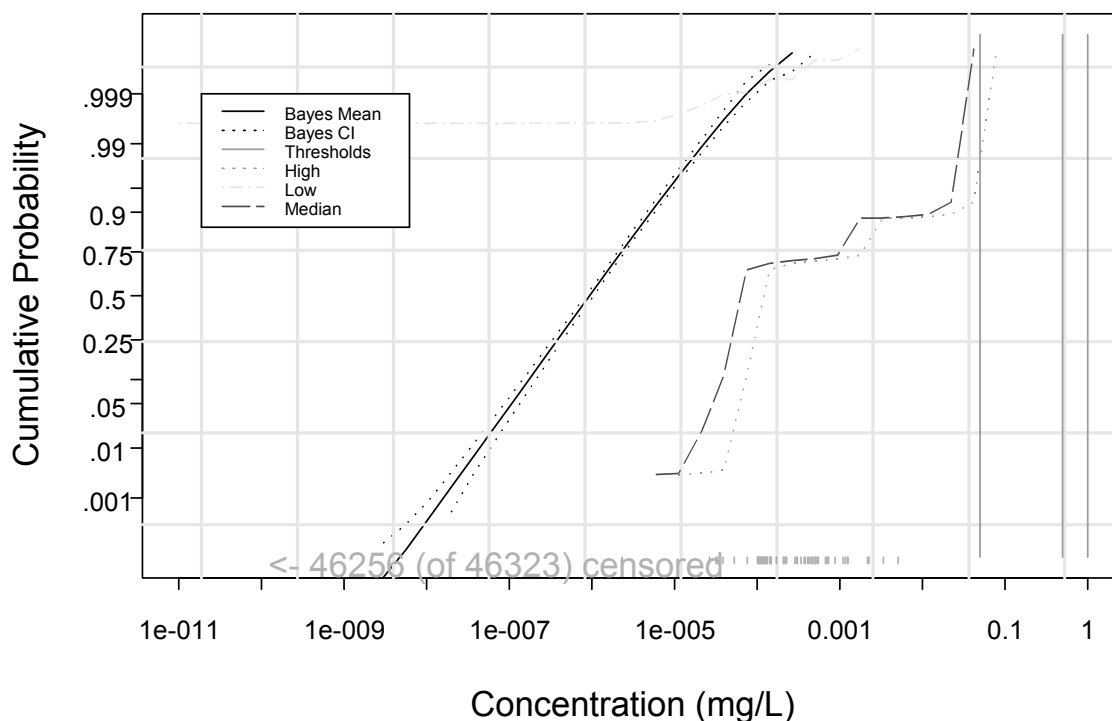
**Figure D.12. Oxamyl -- Bounding Analysis of the Distribution of Model Estimated System Means**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for oxamyl (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.001 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.002 mg/L). The five vertical lines represent the contaminant concentration thresholds of interest for oxamyl: 0.2 mg/L, 0.04 mg/L, 0.03 mg/L, 0.02 mg/L, and 0.007 mg/L.

**Figure D.13. Picloram -- Bounding Analysis of the Distribution of Model Estimated System Means**

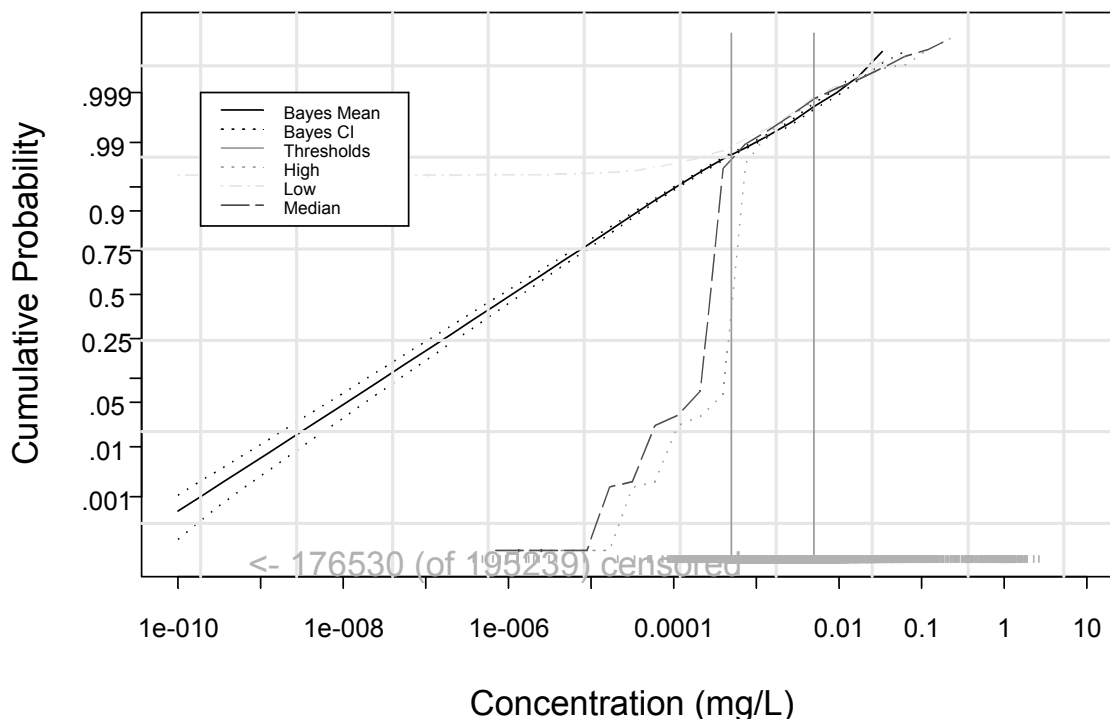
Run 6: Picloram,



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for picloram (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.00005 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.0001 mg/L). The three vertical lines represent the contaminant concentration thresholds of interest for picloram: 1 mg/L, 0.5 mg/L, and 0.05 mg/L.

**Figure D.14. Tetrachloroethylene -- Bounding Analysis of the Distribution of Model Estimated System Means**

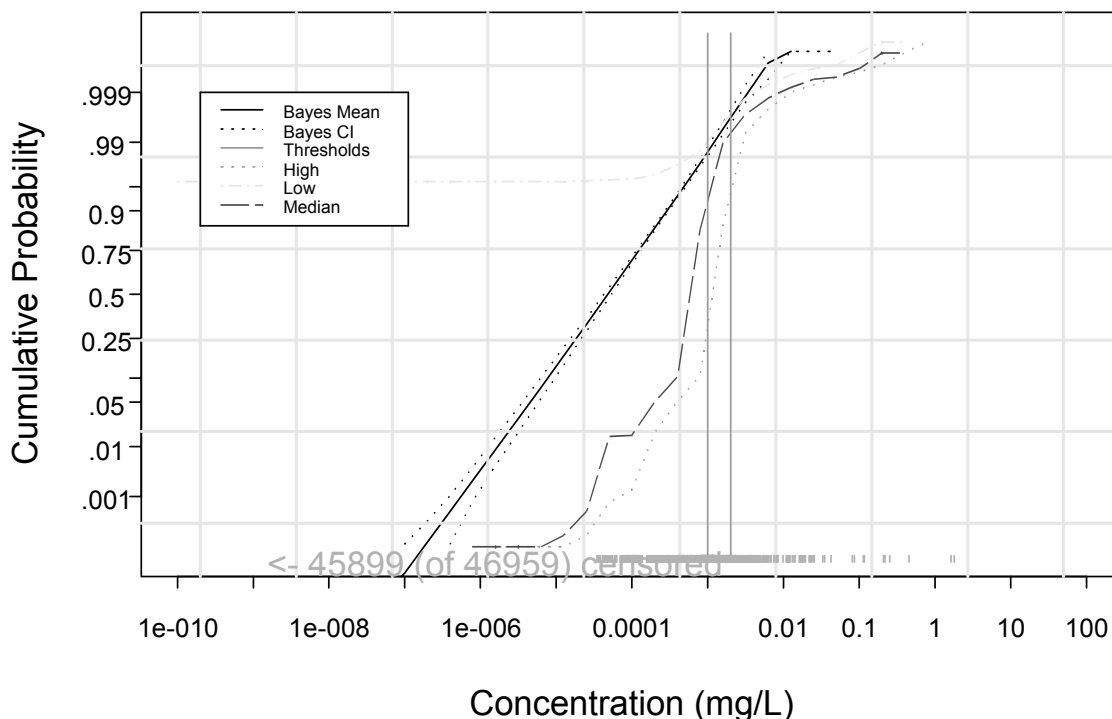
**Run 14: Tetrachloroethylene,**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for tetrachloroethylene (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.00025 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.0005 mg/L). The two vertical lines represent the contaminant concentration thresholds of interest for tetrachloroethylene: 0.005 mg/L, and 0.0005 mg/L.

**Figure D.15. Thallium -- Bounding Analysis of the Distribution of Model Estimated System Means**

**Run 9: Thallium,**



This diagram presents a plot of the cumulative density function (CDF) of the modeled, best estimate system means for thallium (and its 90% Credible Interval) compared to three calculated “bounding” CDFs. The model-predicted CDF of system means, based on compliance monitoring analytical data from the 16-state cross-section, is represented by the solid line labeled “Bayes Mean.” The two dotted lines most closely straddling and nearly parallel to the “Bayes Mean” represent the 90% Credible Interval around the model prediction (labeled “Bayes CI”). The lower bound (labeled “low”) represents a CDF of calculated system means where all non-detection data were set equal to zero. The middle bound (labeled “median”) represents the distribution of data where all non-detection data were set equal to one-half of the modal MRL (0.0005 mg/L). The upper bound (labeled “high”) represents the distribution of data where system means were calculated with all non-detection data were set equal to the modal MRL (0.001 mg/L). The two vertical lines represent the contaminant concentration thresholds of interest for thallium: 0.002 mg/L, and 0.001 mg/L.

## **Appendix E. Summary of Stage 2 Analytical Findings**

Table E.1.	Benzene - Summary of Stage 2 Analytical Findings
Table E.2.	Beryllium - Summary of Stage 2 Analytical Findings
Table E.3.	Chlordane - Summary of Stage 2 Analytical Findings
Table E.4.	Chromium - Summary of Stage 2 Analytical Findings
Table E.5.	1,2-Dibromo-3-chloropropane - Summary of Stage 2 Analytical Findings
Table E.6.	1,1-Dichloroethylene - Summary of Stage 2 Analytical Findings
Table E.7.	Dichloromethane - Summary of Stage 2 Analytical Findings
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Table E.9.	Heptachlor - Summary of Stage 2 Analytical Findings
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Table E.11.	Hexachlorobenzene - Summary of Stage 2 Analytical Findings
Table E.12.	Lindane - Summary of Stage 2 Analytical Findings
Table E.13.	Oxamyl - Summary of Stage 2 Analytical Findings
Table E.14.	Picloram - Summary of Stage 2 Analytical Findings
Table E.15.	Toxaphene - Summary of Stage 2 Analytical Findings
Table E.16.	1,1,2-Trichloroethane - Summary of Stage 2 Analytical Findings

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## Summary of Stage 2 Analytical Findings

This appendix includes tables that summarize contaminant occurrence findings for the 16 cross-section states. Each table includes the estimated number of systems and the population served by those systems that have an estimated system mean concentration greater than the specified threshold of interest. The estimates presented here are for the 14 contaminants discussed in the April 17, 2002 *Federal Register* (67 FR 19030 (U.S. EPA 2002)) containing preliminary Agency findings and the 2 contaminants discussed in the *Federal Register* (expected to be published in approximately March 2003) announcing the revise/not revise decisions for the 1996-2002 Six-Year Review cycle. These occurrence measures are directly derived from the detailed Stage 2 Analysis findings presented in Appendix C.

The estimated number of systems in the 16 cross-section states with a mean contaminant concentration greater than a specified threshold is calculated by multiplying the Stage 2 (Bayesian) model-estimated percentage of systems by the total number of systems in the 16 cross-section states.

In other words,  $A = B * C$  where:

A = Estimated # Systems > Threshold – the estimated number of systems in the 16 cross-section states with a mean contaminant concentration greater than a specified concentration threshold

B = Estimated % Systems > Threshold – the Bayesian model-estimated percent of systems with a mean contaminant concentration greater than a specified concentration threshold, referred to as the “best estimate” (The specified thresholds are referred to as “levels evaluated” in the following tables.)

C = 16 Cross-Section States - Total Systems with Data – the total number of systems represented in the cross-section with data for a particular contaminant

Calculations essentially identical to the one above for systems are conducted to derive the Estimated Population Served by Systems > Threshold (the estimated population served by systems with a mean contaminant concentration greater than a specified threshold). The population served calculations for the 16 cross-section states are based on the Estimated % Population Served by Systems > Threshold (the estimated percentage of population served by systems with a mean contaminant concentration greater than a specified threshold) and the 16 cross-section states total population served by systems with data.

The credible intervals for both the system and population estimates are similarly calculated by multiplying the model-estimated credible interval percentages by the system or population totals for the 16 cross-section states. (For an explanation of credible intervals and the Bayesian analysis, see Section VI.F. of this report.)

The estimated percentages of systems, populations served by systems, and credible intervals used for these calculations are listed in the last row (titled “All Systems-Combined Ground & Surface Water”) of each table found in Appendix C. For example, for benzene, refer to Table C.5.a. with the Estimated % Systems > Threshold value (0.0313%) in the last row in the column titled “Best Estimate of Exceeding Threshold” (or “best estimate”). (Note there are different “best estimates” for the different specified thresholds.) The high and low range of the credible interval percentages for the system “best estimates” are also included in Table C.5.a. For example, for the benzene threshold of 0.005 mg/L, the “best

estimate” of 0.0313% of systems has a 95% credible interval range of 0.0172% to 0.0516%. (All calculations in Appendix E use the 95% credible interval.)

For the Estimated % Population Served by Systems > Threshold for benzene, refer to Appendix C, Table C.5.e. This table contains the “best estimate” population served by systems and related credible intervals. For example, the “best estimate” for the percentage population-served by systems with estimated mean benzene concentrations greater than 0.005 mg/L is 0.00947%, with a 95% credible interval of 0.00188% to 0.0300%. The tables for all contaminants in Appendix C are structured the same way as these benzene tables.

For the 16 Cross-Section States - Total Systems with Data (the total number of systems represented in the cross-section with data for a particular contaminant), please refer to Section VI., Table VI.A.1 of this report.



**Table E.1. Benzene - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>				
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>	Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.005	23,266	7 (4 - 12)	0.0313% (0.0172% - 0.0516%)	
Level Evaluated 0.0004	23,266	80 (57 - 106)	0.343% (0.245% - 0.456%)	
Population Served by Systems <sup>2</sup>				
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.005	110,866,600	10,500 (2,100 - 33,200)	0.00947% (0.00188% - 0.0300%)	
Level Evaluated 0.0004	110,866,600	342,500 (234,200 - 570,100)	0.309% (0.211% - 0.514%)	
Notes:				
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section states with estimated mean concentrations above the specified threshold.				
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.				
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.				
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.				

**Table E.2. Beryllium - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Upper Level Evaluated <sup>4</sup> 0.01	18,933	2	(0 - 4)	0.00809%	(0.000% - 0.0211%)
Current MCL 0.004	18,933	15	(7 - 24)	0.0781%	(0.0370% - 0.127%)
Lower Level <sup>5</sup> Evaluated 0.001	18,933	203	(167 - 237)	1.07%	(0.882% - 1.25%)
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Upper Level Evaluated <sup>5</sup> 0.01	104,573,700	2,000	(0 - 13,400)	0.00190%	(0.000% - 0.0128%)
Current MCL 0.004	104,573,700	21,800	(2,900 - 81,700)	0.0208%	(0.00278% - 0.0781%)
Lower Level Evaluated <sup>5</sup> 0.001	104,573,700	731,300	(372,400 - 1,237,100)	0.699%	(0.356% - 1.18%)

<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section states with estimated mean concentrations above the specified threshold.

<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.

<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.

<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.

<sup>5</sup> These are possible upper and lower levels evaluated based on the change in the RfD, using a 20 percent RSC and whether or not to consider the risk management factor of 10. The upper level evaluated was calculated without applying the 10-fold risk management factor, whereas the lower level evaluated was calculated using the 10-fold risk management factor.

**Table E.3. Chlordane - Summary of Stage 2 Analytical Findings<sup>1</sup>**

<b>Systems<sup>2</sup></b>			
<b>Threshold (in mg/L)</b>	<b>16 Cross-Section States - Total Systems with Data</b>	<b>Estimated # Systems &gt; Threshold<sup>3</sup> (credible intervals)<sup>4</sup></b>	<b>Estimated % Systems &gt; Threshold (credible intervals)<sup>4</sup></b>
Current MCL 0.002	13,184	0 (0 - 0)	0.000% (0.000% - 0.000%)
Level Evaluated 0.001	13,184	0 (0 - 0)	0.0000910% (0.000% - 0.000%)
<b>Population Served by Systems<sup>2</sup></b>			
<b>Threshold (in mg/L)</b>	<b>16 Cross-Section States - Total Population Served by Systems with Data</b>	<b>Estimated Population Served by Systems &gt; Threshold (credible intervals)<sup>4</sup></b>	<b>Estimated % Population Served by Systems &gt; Threshold (credible intervals)<sup>4</sup></b>
Current MCL 0.002	97,459,900	0 (0 - 0)	0.000% (0.000% - 0.000%)
Level Evaluated 0.001	97,459,900	0 (0 - 0)	0.00000146% (0.000% - 0.000%)
Notes:			
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.			
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.			
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.			
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.			

**Table E.4. Chromium - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.1	19,695	1	(0 - 3)	0.00424%	(0.000% - 0.0152%)
Upper Level Evaluated (retaining the 70% RSC) <sup>5</sup> 0.07	19,695	3	(0 - 7)	0.0133%	(0.000% - 0.0355%)
Mid Level Evaluated (using a 50% RSC) <sup>5</sup> 0.05	19,695	7	(3 - 13)	0.0366%	(0.0152% - 0.0660%)
Lower Level Evaluated (using a 20% RSC) <sup>5</sup> 0.02	19,695	73	(54 - 92)	0.371%	(0.274% - 0.467%)
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.1	105,380,000	1,500	(0 - 8,400)	0.00139%	(0.000% - 0.00793%)
Upper Level Evaluated (retaining the 70% RSC) <sup>5</sup> 0.07	105,380,000	4,500	(0 - 50,600)	0.00427%	(0.000% - 0.0481%)
Mid Level Evaluated (using a 50% RSC) <sup>5</sup> 0.05	105,380,000	11,300	(600 - 58,900)	0.0108%	(0.000580% - 0.0559%)
Lower Level Evaluated (using a 20% RSC) <sup>5</sup> 0.02	105,380,000	106,600	(47,100 - 167,700)	0.101%	(0.0447% - 0.159%)
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					
<sup>5</sup> These are possible MCLG/MCL values based on changes in the RfD and using RSC values of 70, 50, and 20 percent.					

**Table E.5. 1,2-Dibromo-3-chloropropane - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.0002	14,042	199	(171 - 231)	1.41%	(1.22% - 1.65%)
Level Evaluated 0.0001	14,042	273	(238 - 310)	1.94%	(1.70% - 2.21%)
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.0002	87,727,200	2,278,300	(1,853,700 - 3,307,300)	2.60%	(2.11% - 3.77%)
Level Evaluated 0.0001	87,727,200	2,828,300	(2,182,700 - 4,353,900)	3.22%	(2.49% - 4.96%)
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					

**Table E.6. 1,1-Dichloroethylene - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Level (in mg/L)	16-State Cross- Section - Total Systems with Data	Estimated # of Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % of Systems > Threshold (credible intervals) <sup>4</sup>	
Upper Level Evaluated (without 10-fold risk management factor) <sup>5</sup> 0.3	19,101	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Lower Level Evaluated (with 10-fold risk management factor) <sup>6</sup> 0.03	19,101	0	(0 - 0)	0.000114%	(0.000% - 0.000%)
Current MCL 0.007	19,101	3	(1 - 6)	0.0144%	(0.00518% - 0.0311%)
Population Served by Systems <sup>2</sup>					
Level (in mg/L)	16-State Cross- Section - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % of Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Upper Level Evaluated (without 10-fold risk management factor) <sup>5</sup> 0.3	106,607,600	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Lower Level Evaluated (with 10-fold risk management factor) <sup>6</sup> 0.03	106,607,600	0	(0 - 0)	0.00000220%	(0.000% - 0.000%)
Current MCL 0.007	106,607,600	14,400	(0 - 136,900)	0.0135%	(0.0000328% - 0.128%)
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					
<sup>5</sup> Based on the change in the RfD and a 20 percent RSC.					
<sup>6</sup> Based on the change in the RfD, a 20 percent RSC, and a risk management factor of 10.					

**Table E.7. Dichloromethane - Summary of Stage 2 Analytical Findings<sup>1</sup>**

<b>Systems<sup>2</sup></b>			
<b>Threshold (in mg/L)</b>	<b>16 Cross-Section States - Total Systems with Data</b>	<b>Estimated # Systems &gt; Threshold<sup>3</sup> (credible intervals)<sup>4</sup></b>	<b>Estimated % Systems &gt; Threshold (credible intervals)<sup>4</sup></b>
Current MCL 0.005	21,530	3 (1 - 6)	0.0131% (0.00465% - 0.0279%)
Level Evaluated 0.00025	21,530	1,067 (977 - 1,157)	4.96% (4.54% - 5.37%)
<b>Population Served by Systems<sup>2</sup></b>			
<b>Threshold (in mg/L)</b>	<b>16 Cross-Section States - Total Population Served by Systems with Data</b>	<b>Estimated Population Served by Systems &gt; Threshold (credible intervals)<sup>4</sup></b>	<b>Estimated % Population Served by Systems &gt; Threshold (credible intervals)<sup>4</sup></b>
Current MCL 0.005	110,146,100	131,200 (200 - 275,300)	0.119% (0.000159% - 0.250%)
Level Evaluated 0.00025	110,146,100	10,350,400 (9,383,400 - 11,642,400)	9.40% (8.52% - 10.6%)
Notes:			
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.			
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.			
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.			
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.			

**Table E.8. 1,2-Dichloropropane - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>				
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>	Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.005	21,988	1 (0 - 2)	0.00358% (0.000% - 0.00910%)	
Level Evaluated 0.0004	21,988	11 (7 - 16)	0.0506% (0.0318% - 0.0728%)	
Population Served by Systems <sup>2</sup>				
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.005	110,450,100	39,500 (0 - 142,000)	0.0358% (0.000% - 0.129%)	
Level Evaluated 0.0004	110,450,100	165,700 (145,000 - 197,400)	0.150% (0.131% - 0.179%)	
Notes:				
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.				
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.				
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.				
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.				



**Table E.9. Heptachlor - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>	Estimated % Systems > Threshold (credible intervals) <sup>4</sup>		
Current MCL 0.0004	14,245	0 (0 - 0)	0.000%	(0.000% - 0.000%)	
Level Evaluated 0.0001	14,245	0 (0 - 0)	0.0000140%	(0.000% - 0.000%)	
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		
Current MCL 0.0004	96,563,400	0 (0 - 0)	0.000%	(0.000% - 0.000%)	
Level Evaluated 0.0001	96,563,400	0 (0 - 0)	0.000000242%	(0.000% - 0.000%)	
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					

**Table E.10. Heptachlor Epoxide - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.0002	14,133	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Level Evaluated 0.0001	14,133	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.0002	96,222,900	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Level Evaluated 0.0001	96,222,900	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					

**Table E.11. Hexachlorobenzene - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>				
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>	Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.001	14,011	0 (0 - 0)	0.000%	(0.000% - 0.000%)
Level Evaluated 0.0001	14,011	1 (0 - 2)	0.00287%	(0.000% - 0.0143%)
Population Served by Systems <sup>2</sup>				
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.001	94,035,300	0 (0 - 0)	0.000%	(0.000% - 0.000%)
Level Evaluated 0.0001	94,035,300	16,600 (0 - 84,300)	0.0176%	(0.000% - 0.0896%)
Notes:				
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.				
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.				
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.				
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.				

**Table E.12. Lindane - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Level (in mg/L)		16-State Cross-Section - Total Systems with Data	Estimated # of Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % of Systems > Threshold (credible intervals) <sup>4</sup>
Level Evaluated	0.001	16,098	0	(0 - 0)	0.000% (0.000% - 0.000%)
Current MCL	0.0002	16,098	0	(0 - 0)	0.000% (0.000% - 0.000%)
Population Served by Systems <sup>2</sup>					
Level (in mg/L)		16-State Cross-Section - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % of Population Served by Systems > Threshold (credible intervals) <sup>4</sup>
Level Evaluated	0.001	99,942,600	0	(0 - 0)	0.000% (0.000% - 0.000%)
Current MCL	0.0002	99,942,600	0	(0 - 0)	0.000% (0.000% - 0.000%)
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					

**Table E.13. Oxamyl - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.2	13,157	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Upper Level Evaluated 0.04	13,157	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Mid Level Evaluated 0.02	13,157	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Lower Level Evaluated 0.007	13,157	0	(0 - 0)	0.0000456%	(0.000% - 0.000%)
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.2	92,345,800	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Upper Level Evaluated 0.04	92,345,800	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Mid Level Evaluated 0.02	92,345,800	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Upper Level Evaluated 0.007	92,345,800	0	(0 - 0)	0.0000323%	(0.000% - 0.000%)

Notes:

<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.

<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.

<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.

<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.

**Table E.14. Picloram - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Level Evaluated 1	12,907	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Current MCL 0.5	12,907	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Level Evaluated 1	93,235,500	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Current MCL 0.5	93,235,500	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					

**Table E.15. Toxaphene - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.003	13,805	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Upper Level Evaluated (½ the current MCL) 0.0015	13,805	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Lower Level Evaluated (detection level reported by States) 0.001	13,805	1 <sup>5</sup>	(0 - 0)	0.000145%	(0.000% - 0.000%)
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.003	95,108,100	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Upper Level Evaluated (½ the current MCL) 0.0015	95,108,100	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Lower Level Evaluated (detection level reported by States) 0.001	95,108,100	800	(0 - 0)	0.000833%	(0.000% - 0.000%)
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					
<sup>5</sup> Model output resulted in an estimate of less than half a system; however, the fraction was rounded up to one.					

**Table E.16. 1,1,2-Trichloroethane - Summary of Stage 2 Analytical Findings<sup>1</sup>**

Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Systems with Data	Estimated # Systems > Threshold <sup>3</sup> (credible intervals) <sup>4</sup>		Estimated % Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.005	22,284	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Level Evaluated 0.003	22,284	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Population Served by Systems <sup>2</sup>					
Threshold (in mg/L)	16 Cross-Section States - Total Population Served by Systems with Data	Estimated Population Served by Systems > Threshold (credible intervals) <sup>4</sup>		Estimated % Population Served by Systems > Threshold (credible intervals) <sup>4</sup>	
Current MCL 0.005	110,366,500	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Level Evaluated 0.003	110,366,500	0	(0 - 0)	0.000%	(0.000% - 0.000%)
Notes:					
<sup>1</sup> Results presented in this table are for the number and percent of systems (and the corresponding population served by those systems) in the 16 cross-section States with estimated mean concentrations above the specified threshold.					
<sup>2</sup> All percentages are shown to three significant figures. All system values are rounded to the nearest whole system. All population values are rounded to the nearest hundred.					
<sup>3</sup> This value does not reflect an estimate of the number of systems out of compliance with the current MCL. Since these occurrence data were collected over the 1993 to 1997 time period, the estimated values here based on the data represent the estimated mean value over a multi-year time period and, therefore, are not equal to the running quarterly average on which compliance is based.					
<sup>4</sup> "Credible intervals" are generated to quantify the uncertainty around each estimated probability in the Bayesian analysis of the occurrence data. The 95% credible intervals are used for these analyses. For further explanation of credible intervals and the Bayesian analysis, please see Section VI.F.					





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