



# **The Analysis of Regulated Contaminant Occurrence Data from Public Water Systems in Support of the Second Six-Year Review of National Primary Drinking Water Regulations**

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## **Disclaimer**

This report is in support of the preliminary revise/take no action decisions for EPA's Second Six-Year Review of Existing Drinking Water Standards Federal Register Notice. This report is intended to provide technical background for the second Six-Year Review.

This document is not a regulation itself, and it does not substitute for the Safe Drinking Water Act (SDWA) or EPA's regulations. Mention of trade names or commercial products does not constitute endorsement or recommendation for use.



## **Acknowledgements**

EPA's Office of Ground Water and Drinking Water (OGWDW) conducted the national assessments of regulated contaminant occurrence in public drinking water presented in this report in support of the second Six-Year Review of National Primary Drinking Water Regulations. This effort was directed by Ms. Karen Wirth and Mr. Rajiv Khera.

EPA would like to thank the many states, territories, and tribes and their staff who contributed datasets and valuable advice during EPA's compilation and review of the contaminant occurrence (compliance monitoring) data. Thank you also to the many public water systems and their staff who conducted the monitoring that provided the extensive amount of regulated contaminant occurrence data used in this report.



## Executive Summary

The 1996 Amendments to the Safe Drinking Water Act (SDWA) require that the Environmental Protection Agency (EPA) “shall, at least once every six years, review and revise, as appropriate, each National Primary Drinking Water Regulation (NPDWR).” The NPDWRs are often referred to as the national drinking water contaminant regulations or drinking water standards. The ‘Six-Year Review’ process is an assessment of new information on the health effects and national occurrence, and the new capabilities of treatment technologies and laboratory analytical methods for the regulated contaminants. Through this process, EPA determines whether the new information and technical capabilities provide a scientific basis to support a revision of existing regulations that will improve public health protection.

This report presents the national contaminant occurrence assessments conducted in support of EPA’s second Six-Year Review of NPDWRs. Included are detailed descriptions of the national contaminant occurrence dataset compiled, the data management procedures conducted to develop the national dataset, and the statistical analytical methods employed (using the national dataset) to generate national estimates of regulated contaminant occurrence in public drinking water systems.

Because there is no national database that receives and stores all relevant data regarding the occurrence of regulated contaminants in public drinking water systems, EPA conducted a voluntary data call-in from the states, territories, and tribes to obtain the data. EPA worked with the states and primacy agencies to receive the states’ and agencies’ complete records of compliance monitoring data (public drinking water system regulated contaminant occurrence data) for 1998 through 2005. The compliance monitoring data were obtained through the Information Collection Request (ICR) process.

Data management and quality assurance evaluations were conducted on all data received to establish a high quality, national contaminant occurrence dataset consisting of data from 47 states/primacy agencies (45 states plus Region 8 and Region 9 tribes). The contaminant occurrence data from these 47 entities comprise more than 15 million analytical records from approximately 132,000 public water systems (PWSs) that serve approximately 254 million people nationally. This dataset, the National Compliance Monitoring ICR Dataset for the second Six-Year Review (or “Six-Year Review-ICR Dataset”), is the largest and most comprehensive contaminant occurrence dataset ever compiled and analyzed by EPA’s Drinking Water Program.

A two-stage analytical approach was conducted to estimate national contaminant occurrence using the Six-Year Review-ICR Dataset. In the first stage of analysis (the “Stage 1 analysis”), the occurrence data were reviewed, quality-checked, characterized, and then analyzed to generate simple non-parametric estimates of national contaminant occurrence in PWSs. Simple counts were made of the number and percentage of systems, and population served by systems, with at least one compliance monitoring sample result greater than a specified contaminant concentration threshold. This Stage 1 analysis, based on maximum sample concentration values, is inherently conservative; it is designed not to underestimate contaminant occurrence for the consideration of public health protection. The Stage 1 analysis provides occurrence assessments that may be more reflective of potential acute exposure. EPA selected a

set of contaminants and also conducted additional parametric statistical estimations (the “Stage 2 analyses”). The Stage 2 analysis estimates long-term mean concentrations of contaminants in all systems nationwide, generating occurrence analyses that are less conservative than the Stage 1 analysis. The Stage 2 analysis also provides occurrence assessments that may be more reflective of potential chronic exposure.

Stage 1 analyses of approximate peak concentration measures were used to assess the national occurrence of 65 regulated chemical and 4 radiological contaminants. Additional Stage 2 analyses using mean concentration measures were conducted for 22 of the 65 regulated chemical contaminants. Several different variations of the Stage 1 and Stage 2 analyses were conducted to broadly characterize national occurrence and are described and presented in this report and its appendices. One variation of Stage 1 analyses estimates the percentage of population served by systems nationwide that reported at least one sample analytical result greater than the concentration equal to a contaminant’s Maximum Contaminant Level (MCL; the contaminant’s drinking water standard). Using this measure, the range of occurrence and the top five occurring regulated contaminants were estimated and summarized below grouped by inorganic chemicals (IOCs), synthetic organic chemicals (SOCs), and volatile organic chemicals (VOCs). The Stage 1 occurrence analyses conducted in this report, based roughly on peak occurrence, are different from the occurrence analyses formally conducted to assess compliance with contaminant drinking water standards (see Section 5.3 for details).

IOC occurrence based on the Stage 1 analysis relative to the MCL concentration ranged from a high of nitrate with 7.310% of the total population served by systems reporting at least one detection greater than the nitrate MCL concentration to the low of barium with 0.092% of the total population served by systems reporting at least one detection greater than the barium MCL concentration. The top five occurring IOCs based on this Stage 1 MCL measure are nitrate (7.310%), nitrite (4.840%), antimony (1.505%), beryllium (1.386%), and arsenic (1.240%). The percentage of arsenic relative to the MCL concentration is based on the former MCL of 0.05 mg/L.

SOC occurrence (based on the same Stage 1 analysis relative to the MCL concentration) ranged from a high of di(2-ethylhexyl)phthalate with 6.397% of the total population served by systems reporting at least one detection greater than the MCL concentration to a low of no detections greater than the MCL concentrations for carbofuran, diquat, glyphosate, hexachlorocyclopentadiene, methoxychlor, picloram and 2,4,5-trichlorophenoxypropionic acid (silvex). The top five occurring SOCs based on this Stage 1 MCL measure are di(2-ethylhexyl)phthalate (6.397%), 1,2-dibromo-3-chloropropane (DBCP) (1.627%), atrazine (1.551%), ethylene dibromide (1.201%), and benzo(a)pyrene (0.117%).

VOC occurrence (also based on the Stage 1 analysis relative to the MCL concentration) ranged from a high of tetrachloroethylene with 6.448% of the total population served by systems reporting at least one detection greater than the tetrachloroethylene MCL concentration to a low of no detections greater than the MCL concentrations for 1,2-dichlorobenzene, trans-1,2-dichloroethylene, ethylbenzene, monochlorobenzene, 1,2,4-trichlorobenzene and total xylenes. The top five occurring VOCs based on this Stage 1 MCL measure are tetrachloroethylene (6.448%), trichloroethylene (5.264%), 1,1-dichloroethylene (2.517%), carbon tetrachloride (2.189%), and dichloromethane (1.298%). These population-related occurrence measures



(approximate measures of potential exposure) for IOCs, SOCs, and VOCs track closely with measures of occurrence based on the number of PWSs with at least one detection at a system-level, rather than population served- level measure of occurrence.

The national occurrence of four radionuclides was also assessed using the same Stage 1 analysis that provides a preliminary estimate of potential exposure. Based on the estimated percent of total population served by PWSs reporting at least one detection greater than each contaminant's MCL concentration, the highest occurring radionuclide is uranium (11.884%).

Additionally, eleven SOCs and eleven VOCs were assessed using the Stage 2 analytical approach. The Stage 2 occurrence analyses conducted in this report, based roughly on long-term, multi-year average contaminant occurrence, are not the same as the occurrence analyses formally conducted to assess compliance with contaminant drinking water standards (which for most contaminants are based on annual average contaminant occurrence; see Section 5.3 for details). Based on the population served by systems nationally with an estimated long-term mean contaminant concentration greater than the respective MCL concentration, the SOCs had occurrence as high as 0.014% (toxaphene) and as low as 0.000% (carbofuran, 2,4-dichlorophenoxyacetic acid, endothall, hexachlorocyclopentadiene, and oxamyl). The two highest occurring VOCs were tetrachloroethylene with 0.277% of the population served by systems with a long-term mean greater than its MCL concentration, and trichloroethylene with 0.181% of the population served by systems with a long-term mean greater than its MCL concentration. For three of the VOCs evaluated using the Stage 2 analysis – 1,2-dichloropropane, 1,1,2-trichloroethane, and total xylenes – no PWS nationally had an estimated long-term mean greater than each contaminant's respective MCL concentration.

Background information regarding the national contaminant occurrence data and data management is presented in Sections 1 through 5 of this report. The summary of the Stage 1 analytical findings is presented in Section 6, with complete, detailed Stage 1 analysis findings for all 65 chemical and 4 radiological contaminants included in Appendix A. The summary of the Stage 2 analytical findings for 22 select contaminants is presented in Section 7, with complete detailed Stage 2 occurrence findings for the 22 contaminants included in Appendix B.



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APPENDIX B. Stage 2 Analysis Occurrence Measures for 22 Select Regulated Chemical Contaminants





## Acronyms

CAS	Chemical Abstracts Service
CWS	Community Water System
DBCP	1,2-Dibromo-3-chloropropane
DEHA	Di(2-ethylhexyl)adipate
DEHP	Di(2-ethylhexyl)phthalate
EDB	Ethylene dibromide
EPA	Environmental Protection Agency (United States)
EQL	Estimated Quantitation Level
GW	Ground Water
GWUDI	Ground Water Under Direct Influence (of Surface Water)
ICR	Information Collection Request
IOC	Inorganic Chemical
LCR	Lead and Copper Rule
MCL	Maximum Contaminant Level
MDL	Method Detection Limit
MFL	Million Fibers per Liter
mg/L	Milligrams per Liter
mrem/yr	Millirem per year
MRL	Minimum Reporting Level
ND	Non-detect or Non-detection
NPDWR	National Primary Drinking Water Regulation
NTNCWS	Non-Transient Non-Community Water System

OGWDW	Office of Ground Water and Drinking Water
PCBs	Polychlorinated Biphenyls
pCi/L	Picocuries per Liter
PWS	Public Water System
PWSID	Public Water System Identification Number
QA	Quality Assurance
QC	Quality Control
SDWA	Safe Drinking Water Act
SDWIS/Fed	Safe Drinking Water Information System / Federal Version
SDWIS/State	Safe Drinking Water Information System / State Version
SOC	Synthetic Organic Chemical
SP	Sample Point
SW	Surface Water
TCE	Trichloroethylene
TCR	Total Coliform Rule
TNCWS	Transient Non-Community Water System
USEPA	United States Environmental Protection Agency
µg/L	Micrograms per Liter
VOC	Volatile Organic Chemical

## 1 Introduction

Pursuant to the 1996 Safe Drinking Water Act (SDWA) Amendments, the Environmental Protection Agency (EPA) conducts, at least every six years, a review of the National Primary Drinking Water Regulations (NPDWRs). For this “Six-Year Review” of the nation’s public drinking water standards, EPA assesses the occurrence of regulated contaminants in public water systems (PWSs) in conjunction with other complementary assessments of health effects, analytical feasibility, and treatment feasibility. Assessments are conducted to determine if revisions to the existing NPDWRs (public drinking water standards) are appropriate. EPA completed and published the results of its first Six-Year Review of NPDWRs in July of 2003 (68 FR 42908, USEPA, 2003a) after developing a systematic approach, or protocol, for the review. EPA has applied the same protocol with minor refinements to the current, second Six-Year Review of NPDWRs (“Six-Year Review 2”). This report presents the assessments of national contaminant occurrence in PWSs in the United States in support of EPA’s second Six-Year Review of NPDWRs.

Because there exists no national database of regulated drinking water contaminant occurrence data for public drinking water systems, EPA conducted a voluntary data call-in from the states, territories, and tribes to obtain the data using the Information Collection Request (ICR) process. EPA worked with states and primacy agencies to receive their complete compliance monitoring data for 1998 through 2005, and state data management staff were consulted to resolve any questions about the data submitted. EPA conducted data management and quality assurance (QA) evaluations to establish a high quality, national contaminant occurrence database consisting of data from 47 states/primacy agencies (45 states plus Region 8 and Region 9 tribes). This dataset, referred to as the National Compliance Monitoring ICR Dataset for the Second Six-Year Review (or “Six-Year Review-ICR Dataset”), is the largest and most comprehensive compliance monitoring dataset ever compiled and analyzed by EPA’s Drinking Water Program. Using this dataset, EPA employed a two-stage analytical approach to estimate a variety of occurrence measures to characterize the national occurrence of regulated contaminants in systems to support the Six-Year Review process.

This report describes the extensive data management and data quality checks conducted as part of the development of the Six-Year Review-ICR Dataset, explains the analytical approach used to estimate the various measures of national contaminant occurrence, and presents and describes the resulting national contaminant occurrence estimates. This report presents many different measures and estimates of national occurrence. Some of the contaminant occurrence measures are presented in this report as “preliminary exposure estimates.” This means that they are not formal exposure estimates, but estimates of the population served by systems found to have some degree of contaminant occurrence in their drinking water samples. In addition to this report, there are also two accompanying reports that present a shorter summary of contaminant occurrence and preliminary exposure estimates as well as important background information on each contaminant reviewed (USEPA, 2009a and b).

## 1.1 Purpose and Scope

EPA's 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 (GW) and surface water (SW) 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 NPDWR 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 the national contaminant occurrence estimations in support of EPA's second Six-Year Review.

## 1.2 Data Sources

To estimate national occurrence of regulated contaminants in PWSs, it is necessary to have all contaminant occurrence sample results including all sample analytical detections *and* non-detections (NDs). The Federal Safe Drinking Water Information System database (SDWIS/Fed) contains complete maximum contaminant level (MCL) violation data; however, SDWIS/Fed does not receive or store complete compliance monitoring (parametric) records. These data are collected by states and primacy agencies but are not required to be submitted to SDWIS/Fed. Therefore, to obtain the necessary compliance monitoring parametric data to support national occurrence assessments for the second Six-Year Review, EPA conducted a voluntary data call-in from the states and primacy agencies. This data call-in was conducted through the ICR process. The second Six-Year Review ICR document (USEPA, 2006) describes the process undertaken to request the voluntary submission of compliance monitoring data by the states.

Through the ICR process, EPA requested that states and primacy agencies voluntarily submit their SDWA compliance monitoring data including all parametric data with complete records of all sample detections and non-detections collected between January 1998 and December 2005. Forty-six states and five other primacy agencies provided compliance monitoring data that included parametric records. Through extensive data management efforts and quality assurance evaluations as well as communications and consultations with state data management staffs, EPA established a high quality contaminant occurrence dataset (the Six-Year Review-ICR Dataset) that consists of data from 47 states/primacy agencies (45 states plus Region 8 and Region 9 tribes). Data received from one state and three primacy agencies could not be included in the second Six-Year data analyses. See Section 2 for details on states included in the Six-Year Review-ICR Dataset.

## 1.3 Data Analysis

EPA used a two-stage analytical approach to estimate the national contaminant occurrence using the Six-Year Review-ICR Dataset. The first stage of analysis provides a simple, straightforward evaluation of occurrence of all contaminants. The "Stage 1 analysis" of occurrence assesses the data sources, quality, and characteristics, and then uses the data to

generate summary statistics of each contaminant's occurrence as well as national estimates of occurrence that are simple, non-parametric, and conservative.<sup>1</sup> Occurrence analyses for each contaminant are conducted for samples, systems, population served by systems, and system sample point (SP) locations. A typical Stage 1 analysis is a simple count of the number or percentage of systems reporting at least one sample detection of a specific contaminant, or at least one sample detection with a concentration greater than the MCL value of the contaminant. The details of the Stage 1 analysis methods are described in Section 6.

Based on the findings of the Stage 1 analysis, EPA selected a set of contaminants for which additional parametric statistical estimations were warranted (referred to as "Stage 2 analyses"). The Stage 2 analysis estimates national contaminant occurrence by generating estimated long-term mean concentrations of contaminants for each system. This provides occurrence analyses that are less conservative than the Stage 1 analysis, since the Stage 2 analysis is based on estimated mean concentrations rather than on a single maximum concentration. Also, because the Stage 2 analyses generate long-term (multi-year) mean concentration estimates for contaminant occurrence at systems, the analyses can support assessments of population served by systems with detections or "preliminary exposure" assessments that may be more reflective of potential chronic exposure than the assessments from the Stage 1 analyses. Section 7 describes the details of the Stage 2 analysis.

The Stage 1 analysis reflects a rough approximation of peak occurrence while the Stage 2 analysis is based on estimated long-term average occurrence. This fundamental difference between the two analytical approaches has a very direct implication: regardless of the contaminant concentration value assessed, the Stage 1 analysis findings will always exceed, or in some cases be approximately equal to, the Stage 2 analysis findings. For example, the Stage 1 analysis of the number of systems with at least one detection of benzene greater than the MCL concentration will always be greater than, or perhaps equal to, the Stage 2 analysis showing the number of systems with a mean concentration of benzene greater than the MCL concentration.

This two-stage analytical approach was previously developed for other EPA OGWDW national occurrence studies, including those conducted for the first Six-Year Review of NPDWRs (USEPA, 2003b) and the first and second Regulatory Determinations for Contaminants from the Drinking Water Contaminant Candidate List (USEPA, 2002, 2008a, and 2008b). The overall data management and general two-stage occurrence analytical approach used for these OGWDW projects was peer-reviewed for use under the first Six-Year Review, which assessed regulated contaminant occurrence data collected from 1993 to 1997. The Stage 2 analysis used for this second Six-Year Review has been simplified from the Stage 2 analysis used for the first Six-Year Review. This was possible because a significantly larger number of states provided contaminant occurrence data for the second Six-Year Review. See Section 7 for a description of the new Stage 2 analysis.

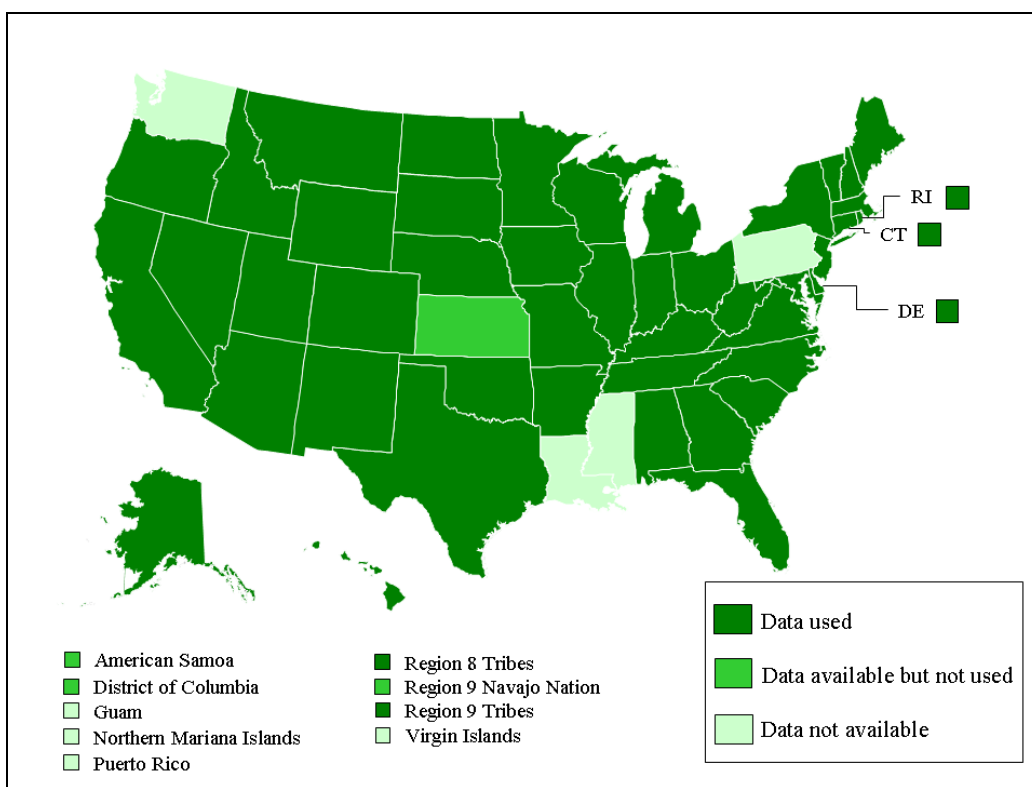
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<sup>1</sup> The Stage 1 analyses are conservative in the sense that they are protective of human health (i.e., because they are based on a single, maximum sample detection value rather than an average value for each system, the Stage 1 analyses are more likely to overestimate occurrence and potential risks to human health than underestimate them).

## 2 The National Compliance Monitoring-ICR Dataset for the Second Six-Year Review

Through the ICR process, EPA conducted a voluntary data call-in for states' compliance monitoring records and received data from a total of 51 states/primacy agencies: 46 states; American Samoa; Washington, D.C.; Region 8 tribes; Region 9 tribes, and the Navajo Nation. Through extensive data management efforts, quality assurance evaluations, and communications with state data management staff, EPA established the Six-Year Review-ICR Dataset. This high quality, national contaminant occurrence database consists of data from 45 states and 2 primacy agencies (see Exhibit 2-1 below). The data received from American Samoa, Washington, D.C., and the Navajo Nation was not included in the second Six-Year data analyses because those datasets were in significantly different formats that would require excessive effort to transform. The data from Kansas were received after the data assessment and quality assurance measures were completed and were not included in this occurrence analysis.

**Exhibit 2-1. States with Compliance Monitoring Data Included in the Six-Year Review-ICR Dataset**



The compliance monitoring contaminant occurrence data from these 47 states/primacy agencies comprise more than 15 million analytical records from approximately 132,000 systems. Approximately 254 million people are served by these systems nationally.

Data quality, completeness, and representativeness are key considerations for the dataset. Given the size, scope, and variety of formats of the datasets received from the states, EPA conducted extensive data management and quality assurance/quality control (QA/QC) assessments on the data to be included in the Six-Year Review-ICR Dataset. A review of completeness and representativeness is presented later in this section, with other details of data management and quality assessments presented in the following three sections.

## **2.1 Completeness and Representativeness of the Six-Year Review-ICR Dataset**

The final Six-Year Review-ICR Dataset consists of compliance monitoring data received from 47 out of 59 states/primacy agencies representing a very large sample and the largest compliance monitoring dataset ever compiled and analyzed by EPA's Drinking Water Program. The 45 states that provided data for the Six-Year Review-ICR Dataset comprise 88% of all public drinking water systems and 89% of the total population served by PWSs nationally, and represent all regions nationally.<sup>2</sup> The states not included in the Six-Year Review-ICR Dataset (see Exhibit 2-1) represent approximately 12% of systems and 11% of the population served by systems nationally. These five states are geographically distributed across the United States and reflect a diverse mix of urban, agricultural, and industrial areas. The five states not providing compliance monitoring contaminant occurrence data are not clustered in a single region so no regional geologic terrain, climatic or hydrologic zone, geography, or socio-economic activity is unrepresented in the dataset. Although two neighboring states on the Gulf Coast, Louisiana and Mississippi, did not provide data, the three other Gulf Coast states did provide data, allowing for significant regional coverage, especially from a population-based perspective. The Six-Year Review-ICR Dataset, with 45 of the 50 states represented, is therefore considered reasonably complete and nationally representative as the basis of the contaminant occurrence estimates presented in this report.

The absence of data from five states in the final Six-Year Review-ICR Dataset could potentially bias how well this dataset represents the national occurrence of particular contaminants. However, in a general sense, the five states, representing about 11% of PWSs and population served by PWSs nationally, have a fairly small influence relative to a national aggregate occurrence rate based on 45 states, representing about 89% of the PWSs and population served by PWSs nationally. To address the issue of potential bias, though, EPA conducted an assessment for each contaminant by comparing occurrence in the 5 states to that in the 45 states.

Because a complete compliance monitoring dataset of all 50 states does not exist, it is not possible to know the true national occurrence for a particular contaminant or how occurrence rates for a particular contaminant in the 5 missing states compare to occurrence in the other 45 states. Therefore, an indicator of occurrence was developed using data available from the SDWIS/Fed database. EPA compiled SDWIS/Fed records of MCL violations by state for the

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<sup>2</sup> This completeness assessment focuses on the 50 states and does not include the primacy entities (territories and tribes), given the total population-served by PWSs in the states as compared to the primacy entities.

same years (1998-2005) as the Six-Year Review-ICR Dataset.<sup>3</sup> The MCL violation records were used to determine if the violation rate, the indicator of contaminant occurrence, in the five missing states was greater than, less than, or about the same as the violation rate in the 45 states in the dataset. This assessment was conducted for all individual contaminants.

The mean MCL violation rate, the percentage of systems with at least one MCL violation, for each contaminant was calculated in aggregate for the 45 states in the dataset and separately in aggregate for the 5 states not in the Six Year Review-ICR Dataset. For each contaminant, these two estimated means (45 state vs. 5 state) were compared with a simple statistical t-test to determine if the mean MCL violation rate for the 5 missing states was significantly different from the mean MCL violation rate for the 45 states.<sup>4</sup>

Of the 69 contaminants evaluated, 58 had no significant difference in MCL violation rates between the 5-state and the 45-state groups. For four contaminants – arsenic, nitrate, tetrachloroethylene, and trichloroethylene – the MCL violation rate for the five missing states was statistically determined to be higher than the rate for the 45 states in the dataset. This finding suggests that the absence of system compliance monitoring data from the five states might result in some slight amount of under-estimation of occurrence for those four contaminants. For seven contaminants; fluoride, asbestos, di(2-ethylhexyl)phthalate (DEHP), 1,2-dibromo-3-chloropropane (DBCP), alpha particles, uranium, and combined radium-226/228, the MCL violation rate for the five missing states was statistically determined to be lower than the rate for the 45 states in the dataset. This suggests that the absence of system compliance monitoring data from the five states might result in some slight amount of over-estimation of occurrence for those seven contaminants. These findings are most appropriately used as context or background for the quantitative occurrence findings presented in Sections 6 and 7 of this report.

To further evaluate the completeness of each state's dataset, EPA compared the number of systems in each state's submitted Six-Year Review-ICR data to the number of systems listed as operating in each state according to the latest edition of the Drinking Water Baseline Handbook (USEPA, 2003c). The "Baseline Handbook" is a standard source for national PWS inventory information (Exhibits 2-2 and 2-3). These comparisons indicate that the data in the Six-Year Review-ICR Dataset are reasonably complete. Because of differences between the system inventory information contained in the Baseline Handbook versus that in the Six Year Review-ICR Dataset, this completeness assessment is more general than specific.

The system inventory information represented in the two data sources is quite similar though not equivalent. The main difference is that the Six-Year Review-ICR Dataset reflects the total number of systems with compliance monitoring data in any of the eight years represented in the dataset (1998-2005), while the Baseline Handbook numbers reflect the number of systems in a single year (2002). Since systems open, close, and consolidate over time, the number of

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<sup>3</sup> While the SDWIS/Fed database does not store complete compliance monitoring parametric records, the database does maintain the most current and complete national and state records of contaminant MCL violations. Annual MCL data were downloaded from <http://www.epa.gov/safewater/data/pivottables.html>.

<sup>4</sup> The t-test calculation used considered the variance, mean, and sample size of each of the two groups of states to estimate the probability that the observed difference in sample means represents an actual difference in contaminant occurrence and not just a statistical inconsistency resulting from low sample sizes.



systems in each state will understandably be somewhat different between the two data sources. Population changes in system service areas over time could also contribute to differences in population served numbers for systems between the two data sources. Also, the numbers presented for the Baseline Handbook do not include tribal water systems and the Six-Year Review-ICR Dataset includes data for Region 8 and Region 9 tribes. In addition, the Baseline Handbook numbers include both “purchased systems” (systems that purchase 100% of their water) and “non-purchased systems” (systems that self-source water and/or buy less than 100% of their water) while the Six-Year Review-ICR Dataset excludes systems that purchase 100% of their water. Purchased systems do not have the same compliance monitoring requirements as other systems so the purchased systems were excluded from these occurrence analyses. However, because their populations are at risk of exposure to a contaminant, EPA adjusted the population served numbers for the state datasets to account for populations that are served by purchased systems. These adjusted population served values should approximately equal the raw, unadjusted population served values for all purchased and non-purchased systems in the Baseline Handbook.<sup>5</sup> Therefore, only general comparisons can be made. Nonetheless, the system and population served values from both sources of data compare fairly well; it appears that the states provided essentially all compliance monitoring records as specified in the Six-Year Review-ICR data request, and the comparison suggests that the Six-Year Review-ICR Dataset is essentially complete.

Overall, for the 45 states in the dataset there is an approximately 0.1% difference between the number of systems listed in the Baseline Handbook compared to the number of systems in the data submitted by the 45 states for the second Six-Year Review (Exhibit 2-2). Comparing the number of systems for each state, the percentage difference between the Baseline Handbook and the Six-Year Review-ICR data ranges from less than 1% difference (e.g., Oklahoma and Rhode Island) to almost a 50% difference (e.g., Montana and Virginia) in the number of systems. Based on the population served by systems, for the overall national 45-state total, there is a 1.8% difference between the total population-served by systems listed in the Baseline Handbook compared to the population served by systems in the data submitted by the 45 states for the second Six-Year Review. Comparing individual state population served values, the percentage differences between the Baseline Handbook and the Six-Year states ranges from less than a 1% difference (e.g., Arkansas and West Virginia) to approximately a 50% difference (e.g., Nevada). In communications with states’ data management staff, several mentioned that population growth in the Southwestern United States probably accounts for some of the population differences between the Baseline Handbook estimates (from 2003 and earlier) to the estimates from the Six-Year Review-ICR Dataset (with most system population information from 2005). Also, in Nevada, for the population adjustments made regarding purchased systems, it was not possible to determine seller-purchaser links for a single very large system serving about 1 million people. Therefore, the Nevada population served total for the Six-Year Review-ICR data are approximately 1 million less than the number presented in the Baseline Handbook. See Section 3.8 for details of the population adjustments and seller-purchaser links.

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<sup>5</sup> The adjusted population-served values reflect the addition of the population-served by systems that purchase 100% of their water because the population-served by those 100% purchasing systems would otherwise be excluded from the Six-Year Review analyses. Details on this adjustment are presented in Section 3.8.

**Exhibit 2-2. Comparison of the Total Number of Systems and Population Served by Systems in the Baseline Handbook (2003) and the Six-Year Review-ICR Dataset, By State <sup>1</sup>**

State	Total Number of Systems <sup>2</sup>			Total Population Served by All Systems		
	Baseline Handbook <sup>3</sup>	Six-Year Review-ICR Data	Percent Difference	Baseline Handbook <sup>3,4</sup>	Six-Year Review-ICR Data <sup>5</sup>	Percent Difference
Alabama	433	425	1.8%	5,140,563	4,741,994	7.8%
Alaska	1,516	1,477	2.6%	597,332	712,666	-19.3%
Arizona	1,594	1,663	-4.3%	4,991,548	6,292,843	-26.1%
Arkansas	776	456	41.2%	2,469,902	2,453,733	0.7%
California	5,710	7,605	-33.2%	32,654,400	38,646,745	-18.4%
Colorado	1,922	1,748	9.1%	5,753,222	5,259,232	8.6%
Connecticut	3,016	2,918	3.2%	2,862,278	2,787,413	2.6%
Delaware	555	580	-4.5%	894,435	778,333	13.0%
Florida	6,327	6,261	1.0%	16,699,708	18,939,279	-13.4%
Georgia	2,411	1,931	19.9%	7,215,332	7,500,353	-4.0%
Hawaii	112	116	-3.6%	1,292,059	1,310,187	-1.4%
Idaho	2,032	1,955	3.8%	1,074,492	1,206,368	-12.3%
Illinois	4,675	3,957	15.4%	11,770,883	9,630,392	18.2%
Indiana	4,235	5,338	-26.0%	5,065,608	5,492,975	-8.4%
Iowa	1,750	1,899	-8.5%	2,626,823	2,653,189	-1.0%
Kentucky	449	298	33.6%	4,469,109	4,619,135	-3.4%
Maine	1,980	2,257	-14.0%	887,053	950,371	-7.1%
Maryland	3,742	4,105	-9.7%	4,759,189	5,279,878	-10.9%
Massachusetts	1,502	1,697	-13.0%	7,122,088	8,738,481	-22.7%
Michigan	11,900	14,521	-22.0%	8,957,282	8,850,281	1.2%
Minnesota	7,869	9,408	-19.6%	4,557,788	4,898,639	-7.5%
Missouri	2,473	2,691	-8.8%	5,035,937	4,976,894	1.2%
Montana	1,830	1,014	44.6%	911,871	786,930	13.7%
Nebraska	1,225	792	35.3%	1,528,468	1,469,627	3.8%
Nevada <sup>6</sup>	595	577	3.0%	1,981,791	998,101	49.6%
New Hampshire	2,143	2,643	-23.3%	1,090,766	1,282,866	-17.6%
New Jersey	4,046	4,221	-4.3%	8,431,376	8,258,339	2.1%
New Mexico	1,246	885	29.0%	1,807,797	1,735,210	4.0%
New York	9,340	6,677	28.5%	18,925,806	14,827,610	21.7%
North Carolina	7,213	6,559	9.1%	6,809,879	7,351,966	-8.0%
North Dakota	392	218	44.4%	570,872	563,112	1.4%
Ohio	5,373	5,078	5.5%	10,840,585	10,691,928	1.4%
Oklahoma	1,043	1,036	0.7%	3,476,517	3,173,290	8.7%
Oregon	2,625	2,672	-1.8%	3,132,622	3,182,082	-1.6%
Rhode Island	468	470	-0.4%	1,350,943	968,684	28.3%
South Carolina	1,290	1,650	-27.9%	3,413,847	3,777,736	-10.7%
South Dakota	521	432	17.1%	688,061	676,911	1.6%
Tennessee	841	369	56.1%	5,422,136	5,686,766	-4.9%
Texas	5,670	6,453	-13.8%	22,385,504	25,418,822	-13.6%
Utah	859	999	-16.3%	3,813,258	2,638,287	30.8%
Vermont	1,368	1,317	3.7%	647,415	596,375	7.9%

State	Total Number of Systems <sup>2</sup>			Total Population Served by All Systems		
	Baseline Handbook <sup>3</sup>	Six-Year Review-ICR Data	Percent Difference	Baseline Handbook <sup>3,4</sup>	Six-Year Review-ICR Data <sup>5</sup>	Percent Difference
Virginia	3,369	1,820	46.0%	8,495,323	6,245,276	26.5%
West Virginia	1,066	1,123	-5.3%	1,502,322	1,503,712	-0.1%
Wisconsin	11,455	7,013	38.8%	4,665,249	4,719,892	-1.2%
Wyoming	681	636	6.6%	527,201	521,508	1.1%
Total	131,638	127,960	0.1%	249,316,640	253,794,411	-1.8%

1. The number of systems and population served by tribal water systems in Regions 8 and 9 are not included in the Baseline Handbook numbers in this table.

2. As indicated in Exhibit 5-3, approximately 58% of the total number of water systems whose data were submitted by states for the second Six-Year Review are transient non-community water systems. Because only the nitrate/nitrite regulations require compliance monitoring by these transient systems (see Exhibit 3-2), data from the transient systems were included only for the nitrate and nitrite occurrence analyses and were excluded for all occurrence analyses for inorganic chemicals (IOCs), synthetic organic chemicals (SOCs), volatile organic chemicals (VOCs), and radiological contaminants. The tables in Appendix A present the total number of community plus non-transient non-community water systems included in the occurrence analyses for each state for all IOCs, SOCs, VOCs, the total number of community plus non-transient non-community plus transient non-community water systems for nitrate and nitrite, and the total number of community water systems for radionuclides.

3. The source of these data is the Drinking Water Baseline Handbook, Fourth edition (USEPA, 2003c).

4. The Baseline Handbook population numbers in this column represent the population served by purchased and non-purchased systems.

5. The Six-Year Review-ICR data population numbers in this column represent the adjusted wholesale/retail population served by all non-purchased systems. See Section 3.8 for details on the population adjustments.

6. For the population adjustments made regarding purchased systems, it was not possible to determine seller-purchaser links for a single very large system in Nevada serving about 1 million people. Therefore, the Nevada population served total for the Six-Year Review-ICR data are approximately 1 million less than the number presented in the Baseline Handbook. See Section 3.8 regarding population adjustments and seller-purchaser links.

Exhibit 2-3 compares the number of non-purchased systems and population served by these systems in the Baseline Handbook and the Six-Year Review-ICR Dataset stratified by source water type and system type. The overall national 45-state totals indicate about 0.1% less systems and a 1.8% more population served in the Six-Year Review-ICR Dataset than is represented in the Baseline Handbook. For community water systems (CWSs), there is about a 2% difference based on the number of systems and a 2% difference based on the population served by systems. Percentage differences were larger for ground water systems than surface water systems. For non-transient non-community water systems (NTNCWSs), there is about a 14% difference based on the number of systems and a 10% difference based on the population served by systems. For transient non-community water systems (TNCWSs), there is about a 4% difference based on the number of systems and a 10% difference based on the population served by systems. CWSs account for approximately 94% of the total population served by systems in the United States.

**Exhibit 2-3. Comparison of the Total Number of Systems and Population Served by Systems in the Baseline Handbook and the Six-Year Review-ICR Dataset, By Source Water Type and System Type <sup>1</sup>**

Source Water Type	Community Water Systems (CWS)		Non-Transient Non-Community Water Systems (NCNCWS)		Transient Non-Community Water Systems (TNCWS)		Unknown System Type <sup>2</sup>		Total	
	Baseline Handbook	Six-Year Review-ICR Data	Baseline Handbook	Six-Year Review-ICR Data	Baseline Handbook	Six-Year Review-ICR Data	Baseline Handbook	Six-Year Review-ICR Data	Baseline Handbook	Six-Year Review-ICR Data
<b>Number of Non-Purchased Systems</b>										
Ground Water (GW)	32,343	33,080	15,809	18,002	77,658	74,690	0	307	125,810	126,079
Surface Water (SW)	4,215	4,134	327	319	1,286	1,011	0	7	5,828	5,471
Total	36,558	37,214	16,136	18,321	78,944	75,701	0	314	131,638	131,550
<b>Total Population Served <sup>3</sup></b>										
Ground Water (GW)	72,377,555	85,195,608	4,432,931	4,931,440	10,891,422	9,946,745	0	22,122	87,701,908	100,095,915
Surface Water (SW)	160,485,186	152,805,883	419,062	398,629	710,484	492,774	0	1,210	161,614,732	153,698,496
Total	232,862,741	238,001,491	4,851,993	5,330,069	11,601,906	10,439,519	0	23,332	249,316,640	253,794,411

1. The number of systems and population served by tribal water systems in Regions 8 and 9 are not included in the Baseline Handbook numbers in this table.

2. Systems with unknown system type (i.e., no system type was specified in the data) were included in the second Six-Year Review analyses. None of the occurrence analyses conducted for the second Six-Year Review required specifying the system type.

3. The Baseline Handbook population numbers represent the population served by purchased and non-purchased systems. The Six-Year Review-ICR data population numbers represent the adjusted wholesale/retail population served by all non-purchased systems. See Section 3.8 for details on the population adjustments.

### 3 Data Management

The data received from the states and primacy agencies were in a variety of formats and data structures, and required reformatting to an exact uniform structure to enable the national contaminant occurrence analyses. This section provides an overview of the data management efforts that were conducted to enable and facilitate the contaminant occurrence analyses. Details of the data management measures can be found in the report titled “The Data Management and Quality Assurance/Quality Control Process Used to Edit the State Compliance Monitoring Datasets Submitted for the Six-Year Review” (Cadmus, 2008).

More than half of all states currently store and manage at least portions of their compliance monitoring data in the Safe Drinking Water Information System/State Version (SDWIS/State). The majority of states using SDWIS/State that submitted data to EPA used a SDWIS Query Extract Tool, developed and provided by EPA, to extract and compile the compliance monitoring data requested by EPA. (Only two states that use SDWIS/State did not use the SDWIS Query Extract Tool to compile the requested data. These states submitted their data to EPA for use in the Six-Year Review before the SDWIS Query Extract Tool was available to the states.) The Extract Tool enabled a streamlined effort by states to select, compile, and format the requested data, and generally resulted in state submission of complete datasets that were uniform in format. The states not using SDWIS/State submitted their compliance monitoring data “as is,” resulting in a variety of formats of datasets submitted to EPA.

Exhibit 3-1 summarizes the types of files, SDWIS/State status, use of the extract tool, and date range of the data provided by states. Note that SDWIS/State status is based on status at the time the voluntary data call-in was conducted and does not reflect subsequent changes in status.

**Exhibit 3-1. Summary of Compliance Monitoring Data Provided by States for the Second Six-Year Review**

State/Tribe	File Type	SDWIS/ State User	SDWIS Extract Tool	Date Range
Alabama	Access	Yes	Yes	1/5/1998 - 12/30/2005
Alaska	Access	Yes	Yes	1/5/1998 - 12/31/2005
Arizona	Access	Yes	Yes	1/1/1998 - 12/31/2005
Arkansas	Access	Yes	No	1/1/1998 - 12/31/2005
California	dBase	No	N/A	1/1995 - 4/2007
Colorado	Access	Yes	Yes	1/1/1998 - 12/30/2005
Connecticut	Access	Yes	Yes	1/1/2002 - 12/31/2005
Delaware	Access	Yes	Yes	10/22/1998 - 12/28/2005 (IOCs) 9/13/2000 - 12/28/2005 (VOCs) 1/1/2001 - 12/28/2005 (SOCs) <sup>1</sup>
Florida	Excel	No	N/A	1/2/2004 - 12/31/2005
Georgia	Access	Yes	Yes	3/10/1998 - 12/31/2005

<b>State/Tribe</b>	<b>File Type</b>	<b>SDWIS/ State User</b>	<b>SDWIS Extract Tool</b>	<b>Date Range</b>
Hawaii	Excel	No	N/A	1/3/2000 - 12/15/2005
Idaho	Access	Yes	Yes	1/1/1998 - 12/31/2005
Illinois	Access (CWS); Excel (NTNC)	Yes	No	1/5/1998 - 12/31/2005
Indiana	Access	Yes	Yes	1/1/1998 - 12/31/2005
Iowa	Access	Yes	Yes	1/1/1998 - 12/31/2005
Kentucky	Access	Yes	Yes	1/2/1998 - 12/30/2005
Maine	Access	Yes	Yes	1/5/1998 - 12/31/2005
Maryland	Excel	No	N/A	1/1/1998 - 12/31/2005
Massachusetts	Access	No	N/A	1/2/1998 - 12/30/2005
Michigan	Comma delimited	No	N/A	1/1/1998 - 12/31/2005
Minnesota	Text	No	N/A	1/1/1998 - 12/29/2005
Missouri	Access	Yes	Yes	1/1/1998 - 12/31/2005
Montana	Access	Yes	Yes	1/5/1998 - 12/31/2005
Nebraska	Access	Yes	Yes	1/1/1998 - 12/31/2005
Nevada	Access	Yes	Yes	1/1/1998 - 12/31/2005
New Hampshire	Comma delimited	No	N/A	4/1/1998 - 10/31/2005
New Jersey	Access	Yes	Yes	1/2/1998 - 12/30/2005
New Mexico	Access	Yes	Yes	1/5/1998 - 12/31/2005
New York	Access	Yes	Yes	1/5/1998 - 12/31/2005
North Carolina	Oracle	No	N/A	1/1/1998 - 12/31/2005
North Dakota	Access	Yes	Yes	1/1/1998 - 12/31/2005
Ohio	Access	Yes	Yes	1/5/1998 - 12/31/2005
Oklahoma	Access	Yes	Yes	1/2/1998 - 12/30/2005
Oregon	Access	Yes	Yes	4/8/1998 - 12/31/2005
Region 8 tribes	Access	Yes	Yes	1/5/1998 - 12/31/2005
Region 9 tribes	Access	No	N/A	1/5/1998 - 12/30/2005
Rhode Island	Access	Yes	Yes	1/5/1998 - 12/30/2005
South Carolina	Access	Yes	Yes	1/1/2001 - 12/31/2005
South Dakota	dBase	No	N/A	1/26/1993 - 2/26/2007
Tennessee	Excel	No	N/A	1/5/1998 - 12/30/2005
Texas	Text	No	No	1/2/1998 - 12/31/2005
Utah	Text	Yes	Yes	1/5/1998 - 12/30/2005
Vermont	Access	Yes	Yes	1/4/1998 - 12/30/2005

State/Tribe	File Type	SDWIS/ State User	SDWIS Extract Tool	Date Range
Virginia	Access	Yes	Yes	1/3/1998 - 12/31/2005
West Virginia	Access	Yes	Yes	1/5/1998 - 12/31/2005
Wisconsin	Tab delimited	No	N/A	1/2/1998 - 6/8/2007
Wyoming	Access	Yes	Yes	1/1/1998 - 12/30/2005

1. Inorganic chemicals (IOCs), volatile organic chemicals (VOCs) and synthetic organic chemicals (SOCs).

### 3.1 Dataset Consistency and Restructuring

Upon receipt of each state dataset, a state-specific directory was created to contain the raw data. The original dataset was saved and maintained exactly as received. All subsequent changes were made and saved to a copy of the original dataset and each change was documented.

Status documentation for each state was maintained and periodically sent to EPA. The status update documented and described the datasets received to date, as well as the date received, file type, whether or not the SDWIS Query Extract Tool was used, and the date range of the data. The status update also described any current or ongoing state-specific notes, issues or concerns.

Thirty-one states and one tribe used the SDWIS Query Extract Tool to extract all or some of their chemical data; therefore, those datasets were all submitted in a similar format. States that did not use the SDWIS Query Extract Tool were restructured into a format similar to the data structure of the SDWIS Query Extract Tool. Some notable exceptions were a few states that compiled and sent one portion of their data using the SDWIS Query Extract Tool and the remainder of their data in another structure (for example, South Carolina). The data submitted by these states required extensive QA/QC and formatting effort to prepare for analyses because the multiple data structures for a single state's dataset had to be separately formatted and then combined.

The SDWIS Query Tool extracts the SDWIS/State data into Microsoft Access. The 15 states that did not use the SDWIS Query Extract Tool submitted data in a variety of formats, including dBase, Oracle, Microsoft Access, comma delimited, tab delimited, Text, and Excel. All of these datasets were converted to Microsoft Access to enable a detailed QA/QC review.

For the 15 states and one tribe for which the SDWIS Query Extract Tool was not used or was not applicable, the datasets were converted to similar formats and data structure to facilitate data management and analysis. In all cases, the converted datasets were compared to the original datasets to ensure all data were converted accurately. A few states submitted their data in several different files that were in different structures or software (California, Illinois, Maryland, Michigan, South Carolina, South Dakota, and Texas). These states submitted datasets that were divided or organized by chemical group, date range, system type, or by some other system reflecting multiple data management schemes within the particular state. The multiple structures for each of these states' datasets had to be separately formatted and then combined.

### 3.2 Conversion to Complete and Unique Non-Detection Records

To conduct contaminant occurrence estimates, each contaminant sample record must have an analytical result, whether that sample result is a detection (sample analytical result greater than or equal to the minimum reporting level (MRL)) or a non-detection. Sample records reported as non-detects tend to be less uniform and less complete than sample records for detections. Of the 47 states/primacy agencies that submitted compliance monitoring data for the second Six-Year Review, only 33 submitted at least some records that were explicitly labeled as MRL data. See Section 3.3 for additional details on MRLs. Approximately 70% of the system sample records submitted by those 33 states included explicitly labeled MRL information. Some systems in a particular state might report all MRL data while other systems in the same state might report only partial or no MRL data.

EPA replaced any missing non-detect results with the most common modal MRL value for the state in which the system was located. In some cases, though, all MRL data for a specific contaminant's data from an entire state were missing. In these cases, the missing values were replaced with the national modal MRL derived as the mode of all the state modal MRL values for that contaminant.

Several states submitted datasets with incomplete sample non-detect records due to aggregated or summarized non-detection results for multi-analyte laboratory methods. Records contained a single "0" or "ND" for all contaminants not detected and individual, unique numeric detection records only for those contaminants with a positive result. Special processing was required to establish complete non-detect records for all contaminants analyzed with the multi-analyte method. For example, one specific EPA-certified laboratory method can analyze for 21 different volatile organic chemicals (VOCs). If none of the 21 VOCs is detected, these states simply enter a single code such as "21 VOCs" in the contaminant identification field and a "0" or "ND" in the results field. In these cases, the single reported non-detection record was expanded to 21 separate records each with the appropriate unique contaminant identification code and each record was given a "<MRL" (non-detection) result.

If one or more of the 21 VOCs were detected, the individual detected contaminant was entered in the contaminant identification field and the concentration detected was entered in the analytical results field as an individual observation, but the remaining VOCs with non-detections were again aggregated into a single record with a "0" or "ND" result. To address this, the specific contaminants with non-detects had to be identified. A separate record and unique contaminant identification code for each was established, and each record was given a "<MRL" or non-detection result.



### 3.3 Identifying and Replacing Non-Numeric or Incorrect Non-Detection Records

The MRL is defined as the lowest concentration value that can be reliably achieved within specified limits of precision and accuracy under routine laboratory operating conditions.<sup>6</sup> For the states that did report MRL data for systems, some recorded it in the analytical result field and also included a “<” in a corresponding field to identify the record as a non-detection. Other states simply included a zero or negative result in the analytical result field to signify a non-detection.

The Six-Year Review Stage 1 non-parametric analyses are not affected by how non-detections are recorded. However, to estimate mean contaminant concentration values for each system in the Stage 2 analyses, a non-zero MRL numeric value must replace all analytical results that were reported either as zero, “non-detection,” “ND,” etc.

Similar to replacing missing MRL data above, a convention was developed to replace any non-numeric non-detection results from a particular system using the modal MRL value for the state in which the system was located. If a state reported no MRL data, the non-numeric values were replaced with the national modal MRL, derived as the mode of all state modal MRL values reported for that contaminant.

EPA used similar data management measures when states reported MRL values that were extremely low or high. A process was developed for identifying and replacing such values with more reasonable MRL values. Reported MRL values that were below the minimum Method Detection Limit (MDL)<sup>7</sup> or greater than the national modal MRL or missing were replaced with the national modal MRL.<sup>8</sup> Approximately 60% of non-detections in the Six-Year Review-ICR

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<sup>6</sup> In other words, the MRL is the lowest contaminant concentration that can be dependably quantified in the laboratory and reported in the contaminant occurrence data used for analyses. Contaminant sample records reported as “<MRL”, therefore, reflect contaminants that are either truly absent in a sample or that occur in a sample at a concentration value below the MRL. Sample analytical results reported as “<MRL” are often referred to as “non-detections” since the contaminant has not been detected at concentrations at or above the MRL.

<sup>7</sup> The Method Detection Limit, MDL, is defined as the minimum concentration of a substance that can be measured and reported with 99% confidence, based on an analyte concentration being greater than zero as determined from analysis of a sample in a given matrix containing the analyte. In other words, the MDL is the concentration at which presence or absence of an analyte can be dependably determined. This contrasts with the MRL, which is a concentration above the MDL, typically set 2 to 10 times the MDL, that enables reporting at specified levels of precision and accuracy of the actual concentration of the analyte present in the sample.

<sup>8</sup> All the Stage 2 analyses presented in this report were conducted using a “simple substitution” approach that substitutes MRL values for reported analytical non-detections. The specific MRL values used were derived by determining modal MRL values for each contaminant based on PWS compliance monitoring analytical records provided by the states and compiled by EPA into the Six Year Review-ICR Dataset. The modal MRL values used to support the Stage 2 analyses in this report are the same as those used in the EPA Estimated Quantitation Limit (EQL) analyses in a separate EPA report; however, the number of analytical records used to derive the modal MRL values in this report is lower than the number of records used in the EQL report. Some analytical records (e.g., samples from transient non-community water systems) were excluded from the dataset used for the occurrence analyses because those records do not meet the requirements of NPDWR compliance monitoring. However, such records still provide valid information for analytical method assessments and therefore were retained for EPA’s EQL analyses.

dataset were updated with a national modal MRL value because the data submitted by the states/primacy agencies did not specify an MRL. Less than 1% of the data were updated with a national modal MRL because the original MRL supplied was less than the minimum MDL, and therefore appeared to be incorrect. Approximately 5% of the non-detection data were replaced with the national modal MRL because the original value was greater than the national modal MRL. While MRLs approaching the MCL concentration are possible, their inclusion could inflate Stage 2 occurrence estimates that generate system long-term mean concentrations using the MRL values as surrogates for sample non-detections. In these calculations, the MRL values used have a very limited effect on the resulting estimates of contaminant mean concentrations. See Section 7 for details on the Stage 2 analysis.

### **3.4 Establishing Consistent Data Fields for Analytical Results**

The datasets of those states that used the SDWIS Query Extract Tool, as well as the datasets of some of the states that did not, included analytical results signs (e.g., “<” for non-detections or “=” for detections), detection limits, and analytical results data in multiple fields. For this analysis, however, it was important to have a single data element for the result sign, indicating whether the record was less than or equal to the corresponding number in the Value field, and a single data element for the Value, equal to the analytical result if the record is a detect and equal to the detection limit if the record is a non-detect. A “Detect” field was added to all of the state datasets to identify the results sign. Wherever the analytical result was greater than zero and the result sign indicated a detection, then Detect was set equal to 1, representing a detection. When the analytical result was equal to zero and/or the result sign indicated a non-detection, then Detect was set equal to 0 (i.e., a non-detect). A “Value” field was also added to all of the state datasets. For all non-detections, Value was set equal to the detection limit; for all detects, Value was set equal to the analytical result.

### **3.5 Establishing Consistent Analytical Units**

Data were received in a variety of units. However, the data for each individual contaminant needed to be expressed in a single unit in order to facilitate analysis. Chemical monitoring data were received in both milligrams per liter (mg/L) and micrograms per liter (µg/L). For this analysis, all data for IOCs were converted to mg/L, while all data for the synthetic organic chemicals SOCs, VOCs, and uranium were converted to µg/L. Data for alpha particles, beta particles,<sup>9</sup> and combined radium-226/228 were analyzed in picocuries per liter (pCi/L).

### **3.6 Records Excluded from Analyses**

All monitoring data from purchased systems (systems that purchase 100% of their water) were excluded from the final Six-Year Review-ICR Dataset because these systems have different

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<sup>9</sup> Although the MCL for beta particles, 4 mrem/yr, is in the unit of measure of millirem per year (mrem/yr), the primary unit of analytical measure is picocuries per liter (pCi/L). This unit of measure relates to screening thresholds of 15 pCi/L and 50 pCi/L that are defined in the 2000 Radionuclides Rule. More than 95% of all compliance monitoring data for beta particles submitted by the states to EPA were in units of pCi/L. The analyses presented here are based on compliance monitoring data represented in units of pCi/L and are conducted relative to the screening threshold of 50 pCi/L.

monitoring requirements than the non-purchased water systems that provide the compliance monitoring data for the second Six-Year Review occurrence analyses.

All monitoring data from non-public water systems (systems with fewer than 25 service connections and that serve a population of fewer than 25) were also excluded from the analysis.<sup>10</sup> Non-public water systems are not required to collect compliance monitoring data for regulated contaminants. All of the states that used the SDWIS Query Extract Tool had data from non-public water systems in their original data submittal.

Furthermore, only standard SDWA compliance samples for regulated contaminants were analyzed to generate national contaminant occurrence estimates. Any “special” or “investigation” samples were excluded from the working dataset. If necessary, those data could be managed and quality-checked separately for possible use in supplementary occurrence analyses. For example, any high frequency samples could support assessments of the seasonal occurrence of pesticides. The SDWIS Query Extract Tool was designed to pull only compliance monitoring data. Several states submitted non-compliance monitoring results: Arkansas, Hawaii, Illinois, Massachusetts, Maryland, Michigan, New Hampshire, New York, Region 9 tribes, South Carolina, Tennessee, and Wisconsin. In addition, the following states submitted data for unregulated contaminants: California, Florida, Illinois, Michigan, Minnesota, North Carolina, Nebraska, Region 9 tribes, South Dakota, Tennessee, Texas, and Wisconsin.

Exhibit 3-2 lists the systems that are required to sample for the contaminants within each chemical group. All data that passed the QA/QC process from these systems were included in the second Six-Year Review analyses. Data from systems that were not required to sample for a given contaminant (e.g., SOC data from transient systems or radionuclide data from transient or non-transient non-community systems) were excluded from the second Six-Year Review analyses.

### Exhibit 3-2. Chemical Group Monitoring Requirements

<b>Chemical Group</b>	<b>System Types Required to Sample (sample data included in analyses)</b>	<b>System Types <u>Not</u> Required to Sample (sample data excluded from analyses)</b>
Inorganic Chemicals (IOCs)	All non-purchased community water systems and non-transient non-community water systems are required to sample for IOCs.	All purchased systems and transient non-community water systems are not required to sample for IOCs.
Nitrate and Nitrite	Non-purchased community water systems, non-transient non-community water systems, and transient non-community water systems are all required to sample for nitrate and nitrite.	All purchased systems are not required to sample for nitrate and nitrite
Synthetic Organic Chemicals (SOCs)	All non-purchased community water systems and non-transient non-community water systems are required to sample for SOCs.	All purchased systems and transient non-community water systems are not required to sample for SOCs.

<sup>10</sup> The compliance monitoring requirements for non-public water systems differ from state to state. Therefore, for consistency for the national occurrence analyses conducted for the second Six-Year Review, the data from all non-public water systems were excluded from the Six-Year Review-ICR Dataset. Collectively, the non-public water systems represent a very small fraction of the national population-served by public drinking water systems.

<b>Chemical Group</b>	<b>System Types Required to Sample (sample data included in analyses)</b>	<b>System Types <u>Not</u> Required to Sample (sample data excluded from analyses)</b>
Volatile Organic Chemicals (VOCs)	All non-purchased community water systems and non-transient non-community water systems are required to sample for VOCs.	All purchased systems and transient non-community water systems are not required to sample for VOCs.
Radiological Contaminants	All non-purchased community water systems are required to sample for the radionuclides.	All purchased systems and non-purchased non-transient non-community and non-purchased transient non-community water systems are not required to sample for radionuclides.

### 3.7 Missing System Inventory Data

For the Six-Year Review analysis, each system must have a single source water type and population served designation 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 (GWUDI), were considered surface water systems for analysis. Systems with more than one specified value of their population served in the original data were included using their most frequently occurring population served value.

Several state datasets were missing source water type and/or population served data (California, Florida, South Dakota, Tennessee, and Texas). Other datasets did not include any inventory information in their data submittal (Massachusetts, Michigan, and Wisconsin). For missing system inventory data, the SDWIS/Fed database was accessed to obtain the correct inventory data using the unique public water system identification number, or PWSID. The SDWIS/Fed version accessed to obtain this inventory data was the third quarter of 2006. For those systems whose inventory gaps could not be filled in by SDWIS/Fed, the 1998 Drinking Water Needs Survey was consulted. Systems whose population and/or source water type data could not be found were excluded from the Six-Year 2 analyses.

### 3.8 Adjustments of Population Served by Public Water Systems

All purchased systems (systems purchasing 100% of their water from other systems) were excluded from the analyses since the compliance monitoring requirements for purchased systems are generally different from those for non-purchased systems. However, by excluding these systems, the population served by those systems would also be excluded from the preliminary exposure estimates conducted for the Six-Year Review. Therefore, the population served values of the purchased systems were linked to those systems they purchased from (the “wholesale systems”) and that were included in the occurrence and exposure analyses. To do this, EPA compiled a list of all systems that sell water directly to the consumer (“retail systems”) and of all retail systems that purchase 100% their water. In the list, the purchased systems were linked to the wholesale system from which they purchased water. The population served by each purchased system was added to the population served by its wholesale system. The contaminant occurrence measures that include these wholesale systems with their “adjusted” population served values include the population served by the purchased systems.

A secondary adjustment was made to the wholesalers’ total population served values to address a known source of potential multiple counting of population possibly served by systems

with contaminant occurrence. A total of 889 purchased systems actually purchase water from more than one seller. There are no data available on the actual relative quantities of water purchased from the different wholesalers. Therefore, in the cases of multiple wholesalers, the population served by the purchasing system was assumed to be uniformly distributed across, and therefore added to, each of the wholesaler systems. Populations served would otherwise be counted multiple times if the entire population served of a purchased system is added to the population served of each and every of its multiple wholesalers. To illustrate this simple uniform distribution, consider a single large system serving a population of 60,300 that purchases 100% of its water from three different systems. The compliance monitoring data from that purchasing system is excluded from the occurrence analyses because it is a purchased system; however, one-third of its population served ( $60,300 \div 3 = 20,100$ ) would be added to each of the three systems from which it purchases water. This way, the population served values of purchased systems are included in the analyses and considerations for the Six-Year Review.

## 4 Data Quality Assurance/Quality Control

A significant effort was undertaken to ensure the quality of the data submitted for the Six-Year Review. This QA/QC effort encountered a range of data quality across the different contaminants and different states. Included below is a summary description of the QA/QC measures that were conducted on the datasets submitted by the states before the analyses of those state occurrence data were conducted. Not all QA/QC measures described were conducted on all states, as noted below. For complete details of the data QA/QC measures, refer to Cadmus (2008).

### 4.1 Review of Dataset Content

When submitted by the states, data dictionary files were reviewed for a definition of the various data elements, field/row headings, codes, acronyms, etc. Data dictionaries were also used to verify that all fields of data contained only the available codes listed by the state. Data dictionaries were not required for data review of data from states that used the SDWIS Query Extract Tool to extract their data. The following states that did not use the SDWIS Query Extract Tool submitted data dictionaries with their datasets: California, Illinois (NTNCWS data only), Maryland, and New Hampshire. The other non-SDWIS Query tool states did not submit a data dictionary with their datasets, which necessitated extensive, often multiple, follow-up communications with the state's data management staff. Most of these states were contacted with questions regarding non-intuitive data element names, definitions of field headings, or non-standard codes.

Field names were all standardized (e.g., changing “source” or “water type” to “source water type”) and data types were changed to similar formats (e.g., changing text fields to numeric where appropriate and setting field lengths). Data reported for each field were also standardized (e.g., in the “source water type” field, changed “SW” or “S” to “surface water”).

### 4.2 Data Element Completeness

One of the first quality checks was to verify that all of the necessary data elements were included in datasets submitted by the states. Many of the states not using the SDWIS Query Extract Tool submitted datasets with more data elements than necessary. In those cases, it was necessary to determine which data elements were needed for the Six-Year Review occurrence analyses and which were not. Exhibit 4-1 provides a detailed list of the 17 data elements requested by EPA for the Six-Year Review. EPA requested that, at a minimum, states provide the nine data elements that are in bold and marked with an asterisk to enable dependable occurrence analyses. Ideally, states submitted all 17 data elements with their occurrence data.

**Exhibit 4-1. Requested Data Elements**

<b>Data Element</b>	<b>Description</b>
<b>Inventory Data</b>	
* <b>Public Water System Identification Number (PWSID)</b>	The code used to identify each PWS. The code begins with the standard 2-character postal state abbreviation or Region code; the remaining 7 numbers are unique to each PWS in the state.
System Name	Name of the PWS.
Federal Public Water System Type Code	A code to identify whether a system is: <ul style="list-style-type: none"> <li>• Community Water System (CWS);</li> <li>• Non-transient Non-community Water System (NTNCWS); or</li> <li>• Transient Non-community Water System (TNCWS).</li> </ul>
Population served	Highest average daily number of people served by a PWS, when in operation.
Source Water Type	Type of water at the source. Source water type can be: <ul style="list-style-type: none"> <li>• Ground water (GW); or</li> <li>• Surface water (SW); or</li> <li>• Ground water under the direct influence of surface water (GWUDI).</li> </ul>
<b>Sample-Specific Information</b>	
* <b>Sample Point Identification Code</b>	A sampling point identifier established by the state, unique within each applicable facility, for each applicable sampling location (e.g., entry point to the distribution system). This information enables occurrence assessments that address intra-system variability.
Sample Identification Number	Identifier assigned by state or the laboratory that uniquely identifies a sample.
* <b>Sample Collection Date</b>	Date the sample is collected, including month, day, and year.
* <b>Sample Purpose</b>	Indicates why the sample is being collected (e.g., compliance/routine, confirmation, duplicate, repeat, special, special duplicate, etc.).
* <b>Sample Analysis Type Code</b>	Code for type of water sample collected. <ul style="list-style-type: none"> <li>• Raw (Untreated) water sample</li> <li>• Finished (Treated) water sample</li> </ul> For lead and copper only: <ul style="list-style-type: none"> <li>• Source</li> <li>• Tap</li> </ul> For Total Coliform Rule (TCR) Repeats only; indicator of sampling location relative to sample point where positive sample was originally collected: <ul style="list-style-type: none"> <li>• Upstream</li> <li>• Downstream</li> <li>• Original</li> </ul>
* <b>Contaminant</b>	Contaminant name, 4-digit SDWIS contaminant identification number, or Chemical Abstracts Service (CAS) Registry Number for which the sample is being analyzed.
* <b>Sample Analytical Result – Sign</b>	The sign indicates whether the sample analytical result was: <ul style="list-style-type: none"> <li>• (&lt;) "less than" means the contaminant was not detected or was detected at a level "less than" the MRL.</li> <li>• (=) "equal to" means the contaminant was detected at a level "equal to" the value reported in "Sample Analytical Result - Value."</li> </ul> (Not required for Total Coliform Rule (TCR) data)
* <b>Sample Analytical Result – Value</b>	Actual numeric decimal value of the analysis for the chemical results, or the MRL if the analytical result is less than the contaminant's MRL. For the TCR, results will indicate presence/absence. For Lead and Copper Rule (LCR), value requested is the 90th percentile tap water monitoring result.
* <b>Sample Analytical Result – Unit of Measure</b>	Unit of measurement for the analytical results reported (usually expressed in either µg/L or mg/L for chemicals; or pCi/L or mrem/yr for radionuclides). (Not required for TCR data)

Data Element	Description
Sample Analytical Method Number	EPA identification number of the analytical method used to analyze the sample for a given contaminant.
Minimum Reporting Level (MRL) - Value	MRL refers to the lowest concentration of an analyte that may be reported. (Not required for TCR data)
MRL - Unit of Measure	Unit of measure to express the concentration value of a contaminant's MRL. (Not required for TCR data)

EPA requested compliance monitoring information for chemical contaminants regulated under Phase I, II, IIB, and V Rules; the Arsenic Rule; and the Radionuclides Rule. EPA also requested data for lead, copper, acrylamide, and epichlorohydrin. Lead and copper occurrence data were not analyzed as part of this second Six-Year Review because occurrence analyses are being conducted as part of other ongoing EPA reviews specific to lead and copper. Although acrylamide and epichlorohydrin are regulated contaminants and are included in the second Six-Year Review process, there are currently no acceptable laboratory analytical methods for detecting acrylamide or epichlorohydrin in drinking water.<sup>11</sup> Therefore, given very limited monitoring data that are neither complete nor representative, no occurrence analyses were conducted for acrylamide or epichlorohydrin.

EPA also requested data for total coliforms, fecal coliforms, and *Escherichia coli* (*E. coli*); similarly, these data are being assessed separately under the current Total Coliform Rule (TCR) development and were not assessed here as part of the second Six-Year Review. Exhibit 4-2, below, lists the specific contaminants for which EPA requested monitoring data. It was necessary to confirm that all of the requested contaminants were included in each state dataset. When a state was missing data for a contaminant, the state was contacted to identify the reason for the omission, such as a statewide waiver for the contaminant(s).

#### Exhibit 4-2. List of Contaminants for Which Data Were Requested from States

Chemical Contaminants (Phase I, II, IIB, and V Rules; Arsenic Rule; Lead and Copper Rule)		
Acrylamide	1,2-Dichloroethane (Ethylene dichloride)	Lindane (gamma-Hexachlorocyclohexane)
Alachlor	1,1-Dichloroethylene	Mercury (Inorganic)
Antimony	cis-1,2-Dichloroethylene	Methoxychlor
Arsenic	trans-1,2-Dichloroethylene	Nitrate (as N)
Asbestos	Dichloromethane (Methylene chloride)	Nitrite (as N)
Atrazine	1,2-Dichloropropane	Oxamyl (Vydate)
Barium	Di(2-ethylhexyl)adipate (DEHA)	Pentachlorophenol
Benzene	Di(2-ethylhexyl)phthalate (DEHP)	Picloram

<sup>11</sup> Both acrylamide and epichlorohydrin are sometimes used in drinking water treatment processes. In lieu of an MCL and compliance monitoring that enables assessments of occurrence relative to an MCL, each water system must certify, in writing, to the state, using third-party or manufacturer's certification, that when acrylamide and epichlorohydrin are used in drinking water systems, the combination, or product of dose and monomer level does not exceed the levels specified, as follows: acrylamide = 0.05% dosed at 1 mg/L and epichlorohydrin = 0.01% dosed at 20 mg/L.



<b>Chemical Contaminants (Phase I, II, IIB, and V Rules; Arsenic Rule; Lead and Copper Rule)</b>		
Benzo[a]pyrene	Dinoseb	Polychlorinated biphenyls (PCBs)
Beryllium	2,3,7,8-TCDD (Dioxin)	Selenium
Cadmium	Diquat	Simazine
Carbofuran	Endothall	Styrene
Carbon tetrachloride	Endrin	Tetrachloroethylene (PCE)
Chlordane	Epichlorohydrin	Thallium
Monochlorobenzene	Ethylbenzene	Toluene
Chromium (Total)	Ethylene dibromide (EDB)	Toxaphene
Copper	Fluoride	2,4,5-Trichlorophenoxypropionic Acid (Silvex)
Cyanide	Glyphosate	1,2,4-Trichlorobenzene
2,4-Dichlorophenoxyacetic acid (2,4-D)	Heptachlor	1,1,1-Trichloroethane
Dalapon	Heptachlor epoxide	1,1,2-Trichloroethane
1,2-Dibromo-3-chloropropane (DBCP)	Hexachlorobenzene	Trichloroethylene (TCE)
1,2-Dichlorobenzene (o-Dichlorobenzene)	Hexachlorocyclopentadiene	Vinyl chloride
1,4-Dichlorobenzene (p-Dichlorobenzene)	Lead	Xylenes (Total)
<b>Radiological Contaminants</b>		
Combined Radium-226/228; and Radium-226 & Radium-228 (if available)	Beta particles	Tritium
	Iodine-131	Uranium
Alpha particles	Strontium-90	
<b>Microbiological Contaminants</b>		
Total coliforms	Fecal coliforms	<i>Escherichia coli</i> ( <i>E. coli</i> )

The date range of each state's compliance monitoring sample collection was also reviewed to determine if all of the requested years of data were included. Any data not collected between 1998 and 2005 were removed from the working datasets. Some states were not able to submit all requested years of data because they only began storing their data electronically sometime after 1998 (e.g., Arkansas, Connecticut, Delaware, and Hawaii). Some states alerted EPA of this issue when they submitted their data; other states had to be contacted to confirm that the missing years of data were not available electronically. In addition, any records from obviously incorrect sample dates (e.g., data from year "1900") were removed.

### 4.3 Potential Outliers and Incorrect Units

To address the data management steps described above, for example, obviously incorrect sample dates, it was seldom necessary to discuss the corrections with state data management staff. However, to resolve data quality issues that required significant corrections to the raw data, such as identifying and deleting outliers or identifying and changing incorrect units, state data management staff were consulted when appropriate before any data corrections were completed.

For each state and contaminant, EPA conducted a review for possible outliers or units problems by calculating basic summary statistics, such as the minimum, median and maximum of detections and non-detections. Summary statistics for each contaminant were compared across states to check for reasonableness and general consistency regarding range of values. The distributions of all detection and non-detection values were also compiled and ranked to facilitate assessment. Generally, there should be a smooth, continuous distribution of the actual quantified concentrations of contaminants detected and a somewhat step-wise distribution of non-detections reflecting the different concentrations marking the different analytical methods' reporting levels. Any detected values that are, for example, a thousand-fold lower than most other low detection values likely reflect an analytical unit conversion problem (mg/L versus  $\mu\text{g/L}$ ) in the original raw data. Furthermore, all detection values that were less than one-tenth the MDL were flagged and investigated as potential outliers. All detections with values greater than 10 times the MCL concentration were also flagged and investigated as potential outliers or units problems. In addition, these records were compared to MCL violation records contained in the SDWIS/Fed database.

The water source type (i.e., raw or finished) of each outlier was also investigated. In some states, systems are allowed to monitor at source (raw) water sampling points. If a contaminant is detected in a source water sample, the system is required to collect a follow-up sample at the entry point to the distribution system, unless there was no treatment. If an outlier was from raw water and it had a corresponding finished water sample (i.e., a finished water sample from the same or next day), then the raw water outlier was removed from the dataset. If there was no corresponding finished water sample and the sample was marked as a compliance sample, then the raw water outlier was usually retained in the dataset, unless there was further evidence to remove the record. Some states stored raw water non-compliance samples along with finished water samples; those non-compliance samples were removed from the dataset.

About 30 states were contacted about apparently incorrect units of measure for particular contaminants. Note that states were contacted even when only a small number of records were in what appeared to be incorrect units. For example, asbestos data are typically expressed in million fibers per liter (MFL). However, a small portion of asbestos data in numerous state datasets were expressed in mg/L. In all cases, the states verified that there was a data entry error in the unit of measure field and the data should have been reported in MFL. Similarly, alpha particles and combined radium data are typically expressed in pCi/L. State data management staff were contacted when alpha particles and/or combined radium data were listed in the database in mg/L or  $\mu\text{g/L}$ . Again, in most cases, states verified that there had been a data entry error and the data were indeed in pCi/L.

The apparent very high or very low detections records (i.e., potential outliers) comprised less than 0.5% of total detections. Forty-two of the 45 state datasets contained potential outliers in their chemical or radionuclide data. Less than 0.5% of the total number of analytical results was identified as having been recorded in the incorrect units. Less than 0.06% of the analytical detections were changed to non-detections after investigation. Of the total number of records excluded from analysis, less than 0.04% of the total number of analytical results were removed as suspected or confirmed outliers. Less than 3% of the total number of records compiled were removed for other reasons including: records were not for compliance (i.e., records from transient non-community water systems for chemicals other than nitrate and nitrite), records

were for “special” or “investigation” studies, or records were raw water/non-compliance samples or further communications with states suggested records were not dependable or were probable data entry errors.

## 5 Summary of the Compliance Monitoring Data

This section provides an overview of the data that were received, passed the QA/QC process, and were analyzed for second Six-Year Review. Also provided is information on the total number of systems in the final Six-Year Review-ICR dataset, characteristics of the systems such as system types, source water types, population served, the number of records from each state, and the number of records for each contaminant. An assessment of contaminant occurrence variability over the eight years was also conducted.

### 5.1 Characteristics of the Data - States, Systems and Records

Exhibit 5-1 shows the number and percent of systems and population served by systems according to source water type in the Six-Year Review-ICR Dataset. Exhibit 5-2 shows the number and percent of systems and population served by systems according to source water type and system size. Source water types are stratified by all classifications, and summaries of GW and SW groupings are also presented. For analysis of these data, EPA followed its standard practice of treating GWUDI as surface water.

**Exhibit 5-1. Number of Systems and Population Served by Systems in the Six-Year Review-ICR Dataset, by Source Water Type**

Source Water Type	Systems		Population Served	
	Number	Percent of Total	Number	Percent of Total
Ground Water (GW)	126,079	95.8%	100,095,915	39.4%
Ground Water Under the Direct Influence of Surface Water (GWUDI)	759	0.6%	2,294,688	0.9%
Surface Water (SW)	4,712	3.6%	151,403,808	59.7%
Total	131,550	100.0%	253,794,411	100.0%

**Exhibit 5-2. Number of Systems and Population Served by Systems in the Six-Year Review-ICR Dataset, by System Size**

System Size (Population Served by the System)	Ground Water (GW)		Surface Water (SW)		Total	
	Number of Systems	Population Served by Systems	Number of Systems	Population Served by Systems	Number of Systems	Population Served by Systems
< 50	43,465	1,233,869	488	13,349	43,953	1,247,218
50 – 100	32,778	2,398,181	456	33,810	33,234	2,431,991
101 – 500	33,927	7,923,786	958	49,671	34,885	8,173,457
501 – 1,000	6,606	4,835,018	368	281,406	6,974	5,116,424

System Size (Population Served by the System)	Ground Water (GW)		Surface Water (SW)		Total	
	Number of Systems	Population Served by Systems	Number of Systems	Population Served by Systems	Number of Systems	Population Served by Systems
1,001 – 3,300	5,363	9,785,319	848	1,722,092	6,211	11,507,411
3,301 – 10,000	2,440	13,919,445	900	5,601,547	3,340	19,520,992
10,001 – 50,000	1,239	26,598,895	962	22,503,031	2,201	49,101,926
50,001 – 100,000	176	11,885,651	227	15,707,058	403	27,592,709
100,001 – 1million	83	17,866,469	244	63,627,821	327	81,494,290
> 1 million	2	3,649,282	20	43,958,711	22	47,607,993
Total	126,079	100,095,915	5,471	153,698,496	131,550	253,794,411

Exhibit 5-3 shows the number and percent of systems in the Six-Year Review-ICR dataset by system type. Although almost 60% of the systems are transient water systems, more than 90% of the population is served by CWSs. Only a small fraction of transient systems collected data for most of the Six-Year contaminants, as transient systems are only required to collect nitrate and nitrite samples.

### Exhibit 5-3. Number of Systems and Population Served by Systems in the Six-Year Review-ICR Dataset, by System Type

System Type	Systems		Population Served	
	Number	Percent of Total	Number	Percent of Total
Community Water System (CWS)	37,214	28.3%	238,001,491	93.8%
Non-Transient Non-Community Water System (NTNCWS)	18,321	13.9%	5,330,069	2.1%
Transient Non-Community Water System (TNCWS) <sup>1</sup>	75,701	57.5%	10,439,519	4.1%
Unknown <sup>2</sup>	314	0.2%	23,332	0.0%
Total	131,550	100.0%	253,794,411	100.0%

1. Only the nitrate/nitrite regulations require compliance monitoring by these transient systems; thus, data from the transient systems were included only for the nitrate and nitrite occurrence analyses and were excluded for all occurrence analyses for IOCs, SOCs, VOCs, and radiological contaminants.

2. Systems with unknown system type were included in the second Six-Year Review analyses. None of the occurrence analyses conducted for the second Six-Year Review required specifying the system type.

Exhibit 5-4 lists the total number of records, systems and population served by systems in each of the 47 state/tribal datasets used in the second Six-Year Review analyses. In addition, the last column of the table lists any contaminant(s) for which the state did not provide data.

**Exhibit 5-4. An Inventory of Contaminant Occurrence Data in  
the Six-Year Review-ICR Dataset, by State**

State	Number of Records for Regulated Contaminants	Number of Systems with Data for Regulated Contaminants	Population Served by Systems with Data for Regulated Contaminants	Did not submit useable data for the following regulated contaminants:
Alabama	76,160	425	4,741,994	Uranium
Alaska	97,245	1,477	712,666	
Arizona	562,499	1,663	6,292,843	
Arkansas	136,204	456	2,453,733	Nitrate; Nitrite; Asbestos; Dioxin; 1,4-Dichlorobenzene; Alpha Particles; Uranium; Combined Radium-226/228
California	3,119,746	7,605	38,646,890	Alpha Particles
Colorado	200,141	1,748	5,259,232	
Connecticut	243,589	2,918	2,787,413	
Delaware	64,598	580	778,333	Dioxin; Alpha Particles; Uranium
Florida	213,208	6,261	18,939,279	Combined Radium-226/228; Beta Particles
Georgia	236,424	1,931	7,500,353	Alpha Particles; Uranium; Beta Particles
Hawaii	89,664	116	1,310,187	Asbestos; Dalapon; Diquat; Endothall; Di(2-ethylhexyl)adipate; Di(2-ethylhexyl)phthalate; Picloram; Dinoseb; Dioxin; 2,4-D; Silvex; Benzo[a]pyrene; Pentachlorophenol; cis-1,2-Dichloroethylene; PCBs; Xylenes (Total); trans-1,2-Dichloroethylene; Monochlorobenzene; Alpha Particles; Uranium; Combined Radium-226/228; Beta Particles
Idaho	196,392	1,955	1,206,368	
Illinois	338,647	3,957	9,630,392	Dioxin; Alpha Particles
Indiana	255,992	5,338	5,492,975	Uranium
Iowa	116,123	1,899	2,653,189	Dioxin
Kentucky	151,467	298	4,619,135	Uranium
Maine	167,518	2,257	950,371	Dioxin; Beta Particles
Maryland	302,133	4,105	5,279,878	Ethylene dibromide
Massachusetts	487,119	1,697	8,738,481	PCBs; Alpha Particles; Combined Radium-226/228
Michigan	648,331	14,521	8,850,281	Asbestos; Dioxin; PCBs; Uranium; Combined Radium-226/228; Beta Particles
Minnesota	462,853	9,408	4,898,639	Asbestos; Diquat; Endothall; Dioxin; PCBs; Combined Radium-226/228
Missouri	422,324	2,691	4,976,894	Asbestos; Diquat; Endothall; Glyphosate; Dioxin; PCBs
Montana	208,602	1,014	786,930	
Nebraska	280,012	792	1,469,627	PCBs; Beta Particles
Nevada	154,959	577	998,101	
New Hampshire	376,523	2,643	1,282,866	Dalapon; Diquat; Endothall; Dioxin; PCBs; Alpha Particles; Uranium; Combined

State	Number of Records for Regulated Contaminants	Number of Systems with Data for Regulated Contaminants	Population Served by Systems with Data for Regulated Contaminants	Did not submit useable data for the following regulated contaminants:
				Radium-226/228; Beta Particles
New Jersey	602,842	4,221	8,258,339	Dioxin; PCBs
New Mexico	302,188	885	1,735,210	
New York	297,902	6,677	14,827,610	
North Carolina	944,007	6,559	7,351,966	Diquat; Endothall; Glyphosate
North Dakota	23,272	218	563,112	Beta Particles
Ohio	353,781	5,078	10,691,928	
Oklahoma	125,218	1,036	3,173,290	Asbestos; Endrin; Lindane; Methoxychlor; Toxaphene; Dalapon; Diquat; Endothall; Di(2-ethylhexyl)adipate; Simazine; Di(2-ethylhexyl)phthalate; Picloram; Dinoseb; Hexachlorocyclopentadiene; Atrazine; Alachlor; Dioxin; Heptachlor; Heptachlor Epoxide; 2,4-D; Silvex; Hexachlorobenzene; Benzo[a]pyrene; Pentachlorophenol; PCBs; DBCP; Ethylene dibromide; Chlordane; Alpha Particles; Uranium; Combined Radium-226/228; Beta Particles
Oregon	140,912	2,672	3,182,082	
Rhode Island	85,834	470	968,684	Dioxin; PCBs
South Carolina	228,336	1,650	3,777,736	Cyanide; Dioxin; PCBs; Beta Particles
South Dakota	52,155	432	676,911	Dioxin
Tennessee <sup>1</sup>	93,045	369	5,686,766	Uranium; Combined Radium-226/228; Beta Particles
Texas	1,186,434	6,453	25,418,822	Asbestos; Diquat; Endothall; Glyphosate; Dioxin
Utah	478,540	999	2,638,287	Uranium
Vermont	159,271	1,317	596,375	
Virginia	153,870	1,820	6,245,276	Dioxin
West Virginia	59,916	1,123	1,503,712	Dioxin
Wisconsin	439,365	7,013	4,418,338	Di(2-ethylhexyl)phthalate; Alpha Particles
Wyoming	86,661	636	521,508	
Total	15,450,283	127,960	253,794,411	

1. Tennessee submitted data from a total of 807 PWSs. Data from 392 of these systems, with an associated population served of 73,512, were inadvertently excluded from the Six-Year Review analyses and the error was not discovered until after all analyses had been conducted. Only 38 of these systems, with an associated population served of 14,771, were non-purchased community or non-transient non-community water systems that would have been analyzed as part of the second Six-Year Review, with the exception of nitrate and nitrite. The omission of this small number of systems (0.03% of the national total) has very little effect on the national occurrence estimates generated with the Six-Year Review-ICR dataset. Contaminant occurrence rates were generated for the omitted systems (e.g., percent of sample detections and percent of systems with at least one detection) and the occurrence rates for the omitted PWSs were very similar to the overall national rates. Of the omitted Tennessee systems, approximately 390 and 190 were non-purchased water systems (CWSs, NTNCWSs, and TNCWSs) that provided nitrate and nitrite data, respectively. Nitrate and nitrite occurrence rates were generated for the omitted systems and

the occurrence rates for the omitted PWSs were, again, very similar to, and often less than, the overall national rates of nitrate and nitrite occurrence.

Exhibit 5-5 summarizes the Six-Year Review-ICR Data by contaminant. For each contaminant, this table includes MCL concentration values, the number of states with data, total number of records, systems, and the population served by systems that have data represented in the Six-Year Review-ICR Dataset. Also presented are the modal MRL values for each contaminant, derived as the mode of state modal MRLs. See Section 3.3 for details regarding modal MRL values.

**Exhibit 5-5. An Inventory of the Contaminant Occurrence Data in the Six-Year Review-ICR Dataset, by Contaminant**

Contaminant (MCL Concentration)	Number of States with Data	Total Number of Records	Total Number of Systems	Total Population Served by Systems	MRL
<b>Inorganic Chemicals</b>					
Antimony (0.006 mg/L)	45	185,986	49,016	223,251,662	0.001 mg/L
Arsenic <sup>1</sup> (0.05 mg/L)	45	224,035	49,473	230,393,228	0.005 mg/L
Asbestos (7 MFL)	38	18,181	8,278	85,161,934	0.2 MFL
Barium (2 mg/L)	45	183,118	49,125	229,775,707	0.1 mg/L
Beryllium (0.004 mg/L)	45	183,575	48,021	221,383,819	0.001 mg/L
Cadmium (0.005 mg/L)	45	181,667	48,920	229,685,370	0.001 mg/L
Chromium (Total) (0.1 mg/L)	45	185,952	48,908	229,628,430	0.01 mg/L
Cyanide (0.2 mg/L)	44	120,368	32,067	162,458,600	0.005 mg/L
Fluoride (4 mg/L)	45	333,211	48,600	233,569,199	0.1 mg/L
Mercury (Inorganic) (0.002 mg/L)	45	181,629	48,859	229,853,379	0.0002 mg/L
Nitrate (as N) (10 mg/L)	44	1,052,487	119,537	229,508,036	0.1 mg/L
Nitrite (as N) (1 mg/L)	44	397,175	86,313	207,984,813	0.1 mg/L
Selenium (0.05 mg/L)	45	181,684	48,925	229,863,411	0.005 mg/L
Thallium (0.002 mg/L)	45	185,047	48,925	223,324,845	0.0005 mg/L
<b>Synthetic Organic Chemicals<sup>2</sup></b>					
Alachlor (2 µg/L)	44	155,989	36,845	197,311,966	0.2 µg/L
Atrazine (3 µg/L)	44	161,690	37,215	200,372,590	0.1 µg/L
Benzo(a)pyrene (0.2 µg/L)	43	119,871	28,578	184,144,163	0.02 µg/L



Contaminant (MCL Concentration)	Number of States with Data	Total Number of Records	Total Number of Systems	Total Population Served by Systems	MRL
Carbofuran (40 µg/L)	45	114,142	31,097	167,973,342	0.9 µg/L
Chlordane (2 µg/L)	44	128,453	31,841	182,036,975	0.2 µg/L
Dalapon (200 µg/L)	42	112,423	28,387	178,186,111	1 µg/L
Di(2-ethylhexyl)adipate (DEHA) (400 µg/L)	43	121,792	28,902	184,134,674	0.02 µg/L
Di(2-ethylhexyl)phthalate (DEHP) (6 µg/L)	42	120,846	27,667	179,948,572	0.6 µg/L
1,2-Dibromo-3-chloropropane (DBCP) (0.2 µg/L)	44	231,169	37,618	193,749,339	0.6 µg/L
2,4-Dichlorophenoxyacetic acid (70 µg/L)	43	124,285	33,187	187,451,183	0.1 µg/L
Dinoseb (7 µg/L)	43	121,896	32,713	182,919,390	0.2 µg/L
Diquat (20 µg/L)	38	55,634	15,595	120,622,647	2 µg/L
Endothall (100 µg/L)	38	49,820	14,156	118,536,801	9 µg/L
Endrin (2 µg/L)	44	134,336	32,783	184,043,162	0.01 µg/L
Ethylene Dibromide (EDB) (0.05 µg/L)	43	218,797	36,215	188,153,915	0.01 µg/L
Glyphosate (700 µg/L)	42	58,174	16,351	116,276,011	6 µg/L
Heptachlor (0.4 µg/L)	44	133,726	33,020	184,443,784	0.04 µg/L
Heptachlor Epoxide (0.2 µg/L)	44	134,708	33,015	184,477,775	0.02 µg/L
Hexachlorobenzene (1 µg/L)	44	135,512	32,826	184,124,823	0.1 µg/L
Hexachlorocyclopentadiene (50 µg/L)	44	135,290	32,801	184,738,430	0.1 µg/L
Lindane (gamma- Hexachlorocyclohexane) (0.2 µg/L)	44	135,585	33,265	187,258,935	0.02 µg/L
Methoxychlor (40 µg/L)	44	137,068	33,421	187,636,119	0.1 µg/L
Oxamyl (Vydate) (200 µg/L)	45	113,380	30,876	167,378,431	2 µg/L
Pentachlorophenol (1 µg/L)	43	136,475	34,339	190,507,709	0.04 µg/L
Picloram (500 µg/L)	43	121,920	32,910	186,386,430	0.1 µg/L
Polychlorinated biphenyls (PCBs) (0.5 µg/L)	34	67,216	18,393	124,114,208	0.1 µg/L
Simazine (4 µg/L)	44	158,256	36,830	196,986,505	0.07 µg/L
Toxaphene (3 µg/L)	44	115,403	30,387	160,012,134	1 µg/L
2,3,7,8-TCDD (Dioxin) (0.00003 µg/L)	27	11,076	2,383	52,854,445	0.000005 µg/L
2,4,5-Trichlorophenoxypropionic Acid (Silvex) (50 µg/L)	43	122,713	32,887	183,000,768	0.2 µg/L

Contaminant (MCL Concentration)	Number of States with Data	Total Number of Records	Total Number of Systems	Total Population Served by Systems	MRL
<b>Volatile Organic Chemicals</b>					
Benzene (5 µg/L)	45	374,503	50,435	226,947,293	0.5 µg/L
Carbon Tetrachloride (5 µg/L)	45	385,864	50,446	226,934,787	0.5 µg/L
1,2-Dichlorobenzene (600 µg/L)	45	372,946	50,422	226,929,816	0.5 µg/L
1,4-Dichlorobenzene (75 µg/L)	44	370,698	49,969	224,476,625	0.5 µg/L
1,2-Dichloroethane (5 µg/L)	45	375,636	50,442	226,933,991	0.5 µg/L
1,1-Dichloroethylene (7 µg/L)	45	378,630	50,425	226,909,664	0.5 µg/L
cis-1,2-Dichloroethylene (70 µg/L)	44	373,316	50,314	225,615,734	0.5 µg/L
trans-1,2-Dichloroethylene (100 µg/L)	44	371,258	50,319	225,611,137	0.5 µg/L
Dichloromethane (Methylene Chloride) (5 µg/L)	45	372,009	50,169	226,844,060	0.5 µg/L
1,2-Dichloropropane (5 µg/L)	45	374,409	50,437	226,912,134	0.5 µg/L
Ethylbenzene (700 µg/L)	45	374,141	50,447	226,939,375	0.5 µg/L
Monochlorobenzene (100 µg/L)	44	370,519	50,311	225,627,782	0.5 µg/L
Styrene (100 µg/L)	45	372,269	50,421	226,933,636	0.5 µg/L
Tetrachloroethylene (PCE) (5 µg/L)	45	410,042	50,436	227,008,555	0.5 µg/L
Toluene (1,000 µg/L)	45	374,250	50,451	226,955,301	0.5 µg/L
1,2,4-Trichlorobenzene (70 µg/L)	45	371,132	50,135	226,842,102	0.5 µg/L
1,1,1-Trichloroethane (200 µg/L)	45	374,950	50,440	226,931,546	0.5 µg/L
1,1,2-Trichloroethane (5 µg/L)	45	372,386	50,195	226,851,469	0.5 µg/L
Trichloroethylene (TCE) (5 µg/L)	45	403,609	50,432	226,907,686	0.5 µg/L
Vinyl Chloride (2 µg/L)	45	373,161	50,411	226,464,423	0.5 µg/L
Xylenes (Total) (10,000 µg/L)	44	363,466	47,698	218,071,535	0.5 µg/L
<b>Radiological Contaminants</b>					
Alpha Particles (15 pCi/L)	35	73,002	18,653	121,170,400	1 pCi/L
Beta Particles (screening level = 50 pCi/L) <sup>3</sup>	34	59,983	14,231	120,274,924	4 pCi/L
Combined Radium-226 & -228 (original Radionuclides rule) (5 pCi/L) <sup>4</sup>	35	18,452	6,884	47,422,440	1 pCi/L

Contaminant (MCL Concentration)	Number of States with Data	Total Number of Records	Total Number of Systems	Total Population Served by Systems	MRL
Combined Radium-226 & -228 (revised Radionuclides rule) (5 pCi/L) <sup>4</sup>	33	18,050	3,893	41,426,437	1 pCi/L
Uranium (30 µg/L)	33	41,581	5,921	70,631,392	0.001 µg/L

1. The MCL concentration for arsenic is currently 0.01 mg/L. The Six-Year data were analyzed relative to the former MCL concentration of 0.05 mg/L because that was the MCL during the period of review for the Six-Year 2 analysis, 1998 through 2005. However, additional analyses relative to the new arsenic MCL concentration are included in Appendix A.

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

3. Although the MCL for beta particles, 4 millirem per year (mrem/yr), is in the unit of measure of mrem/yr, the primary unit of analytical measure is picocuries per liter (pCi/L). This unit of measure relates to screening thresholds of 15 pCi/L and 50 pCi/L that are defined in the 2000 Radionuclides Rule. More than 95% of all compliance monitoring data for beta particles submitted by the states to EPA were in units of pCi/L. The analyses presented here are based on compliance monitoring data represented in units of pCi/L and are conducted relative to the screening threshold of 50 pCi/L.

4. The revised Radionuclides Rule, published in 2000, went into effect on December 8, 2003 so combined radium-226 and -228 occurrence data collected before December 8, 2003 were analyzed and are presented in the row labeled "original Radionuclides rule" and data collected after December 8, 2003 were analyzed and are presented in the row labeled "revised Radionuclides rule."

## 5.2 Occurrence Variability Assessment

For the second Six-Year Review, EPA collected and analyzed eight years of compliance monitoring data, 1998 through 2005. The eight years of data were used to develop aggregate measures of occurrence (i.e., a single measure of occurrence that is based on all eight years of data). For example, a typical measure is the percent of systems with at least one detection of a particular contaminant greater than its MCL concentration. This single measure would reflect a count of each and every unique system with at least one detection in any of the eight years considered and then present a single percentage of systems with at least one detection. Recognizing that occurrence of a particular contaminant might vary over an eight-year period, EPA conducted assessments to determine if the compliance monitoring data in the Second Six-Year Review-ICR dataset exhibit significant variability over time.

To make these assessments, it was not possible to simply evaluate yearly sample detection rates for each contaminant at the national level. Monitoring schedules for a particular contaminant can differ from system-to-system and year-to-year (e.g., not all surface water systems monitor all contaminants quarterly). Therefore, a national comparison of system monitoring data from different years will typically be a comparison of data from different subsets of systems nationally. The variation in compliance monitoring schedules generally corresponds to the assessed chance of contaminant occurrence based on historic monitoring results at each system. If a contaminant is shown not to occur at a system through a specified period of routine compliance monitoring, that system is authorized to conduct a reduced monitoring schedule for that contaminant. Some systems monitor contaminants as infrequently as once every year, every three years, or even every nine years. Because of this variability in monitoring schedules and its

implications (i.e., the frequency and timing of sampling are not random), a simple year-to-year assessment of occurrence across all systems does not provide a clear, unambiguous assessment of occurrence variability.

To evaluate that the observed variability in the occurrence measures are due to changes in contaminant occurrence rather than differences or changes in monitoring schedules, EPA identified systems that collected at least one sample in the 1998-2001 period of data and at least one sample in the 2002-2005 period. This enabled a comparison of occurrence based on a more consistent set of systems. EPA then quantified contaminant occurrence at the system level in the first four years and in the second four years, and used standard statistical t-tests to determine whether system level occurrence in the first four years was significantly different from system level occurrence in the second four years.

There is no single “correct” measure of occurrence for assessing variability. Contaminant occurrence variability can be based on a number of different measures such as contaminant detection rates, concentration averages, or the frequency at which systems find a contaminant above some concentration threshold. Occurrence also is defined by a relatively small number of samples from each system, as expected given compliance monitoring requirements. Given these factors, the variability assessments are subject to some uncertainty and results varied depending on the specific measures employed, such as detection rates, concentration averages, etc. The results also depended on which systems were included in the assessment. One group of assessments included only systems with at least one sample in each of the eight years of data while the second group of assessments included only systems with at least one annual sample during 1998-2001 and another during 2002-2005.

EPA conducted six different time-dependent variability assessments, comparing measures of detection rates, concentration averages, and exceedance rates for the two different groups of systems described above. Findings of variability are based on the collective results of these six assessments. For 62 of the 69 contaminants assessed, there is no statistically significant variability in occurrence between the 1998-2001 and 2002-2005 time periods, regardless of the specific occurrence measure assessed. For the other seven contaminants, at least one occurrence measure for each of the contaminants was statistically found to be different in the two time periods.<sup>12</sup> Most of the contaminants with occurrence variability over time had a decrease in occurrence over the eight-year period including thallium in SW, 1,1,1-trichloroethane in GW, and dichloromethane, 1,2-dichloroethane, and carbon tetrachloride in GW and SW. Showing an increase in occurrence over the eight-year period was fluoride in GW and hexachlorocyclopentadiene in SW. Since multiple measures of occurrence were assessed, it is difficult to define an actual quantitative amount of decrease or increase for these seven contaminants over the eight-year period. Generally, these findings indicate that it is appropriate

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<sup>12</sup> Variability of occurrence over time was determined using t-tests to measure whether or not there was a statistically significant difference between occurrence measures from the two time periods. Statistical significance was determined by the use of standard t-tests which compare two sets of values, such as estimated average detection rates, and calculates the probability that the mean value or central tendency, of the first set of data is the same as the mean value of the second set of values. If this calculated probability is low (<5% is a common defining threshold), then the conclusion is that the central tendency of the first set of values is “significantly” different from the central tendency of the second set. The t-tests used means, variances, and sample sizes to determine whether the likelihood of the null hypothesis which is that the data were not significantly different, was less than 5% (i.e., a p-value less than 0.05).

to use an aggregation of the eight years of data for the occurrence estimates for the second Six-Year Review. For the nine contaminants with at least some statistically significant measure of increasing or decreasing occurrence, these findings are most appropriately used as context or background for the quantitative occurrence findings presented in Sections 6 and 7 of this report.

### 5.3 Threshold Evaluations

EPA assessed the occurrence of the regulated contaminants relative to several different thresholds or concentration values. Stage 1 and Stage 2 assessments of occurrence were made relative to the MRL, identifying the simple presence/absence of a detection of a contaminant. A sample analytical result is defined as a “detection” if the quantified sample concentration of the contaminant is equal to or greater than that contaminant’s MRL.

Contaminant occurrence was also evaluated relative to higher contaminant concentration thresholds including a contaminant’s MCL concentration. For Stage 1 and Stage 2 analyses relative to an MCL concentration, the criterion is for any analytical results to exceed the concentration value of a specific contaminant’s MCL. The Stage 1 analyses would identify any single result greater than the MCL concentration and the Stage 2 analyses would identify system estimated long-term (multi-year) average concentrations greater than the MCL concentration.

The analyses conducted here, though, are not equivalent to the analyses conducted to estimate a potential MCL violation. Both these Stage 1 and Stage 2 analyses are based on every analytical sample result from all years with data in the Six Year Review-ICR Dataset. The Stage 2 analysis (based on an estimated long-term average concentration) is similar to the calculation conducted to determine an MCL violation, but the two calculations are different. For most regulated drinking water contaminants, an MCL violation occurs when the concentration equal to a contaminant’s MCL is exceeded by the estimated annual average concentration based on a limited number of consecutive quarterly compliance monitoring samples (typically four for surface water systems and two for ground water systems).<sup>13</sup> In contrast, a “Stage 2 MCL exceedance” occurs when the concentration threshold equal to a particular contaminant’s MCL is exceeded by the estimated system average concentration based on multiple years (not two or four consecutive quarters) of compliance monitoring samples. Calculations of MCL violations are not conducted in this report.

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<sup>13</sup> For nitrate and nitrite, if a single sample result is greater than or equal to the MCL, the system must collect a confirmation sample and average it with the original sample. If that average is greater than the MCL, then an MCL violation has occurred.

## 6 Stage 1 Analysis

The Stage 1 statistical analysis of the second Six-Year Review-ICR dataset consists of simple counts and descriptive statistics of the occurrence data for each of the regulated contaminants assessed. National contaminant occurrence estimates are conducted relative to contaminant MRLs and MCL concentrations and are presented by systems and population served by systems in Section 6.1. A comparison of the summary Stage 1 analysis results from the first Six-Year Review with data from 1993-1997 and the current Six-Year Review with data from 1998-2005, is presented in Section 6.2. A supplemental measure of occurrence, based on occurrence at sample point locations within each system, using the 1998-2005 data is described in Section 6.3 with summary sample point estimates presented in Exhibit 6-3.

Also included in Appendix A are additional occurrence measures conducted for samples, systems, and population served by systems. These additional occurrence findings are presented by state and for the nation as a whole. For the sample occurrence assessments, occurrence measures include the number and percent of samples for each contaminant with analytical detections; and the minimum, median, maximum, and 90<sup>th</sup> percentile values of those detections. System-level occurrence measures include the number and percent of systems with one or more analytical detections, and the number and percent of systems with one or more analytical detections above a health threshold of concern. Population served occurrence measures include the number and percent of customers by systems with one or more analytical detections, and the number and percent of population served by systems with one or more analytical detections of a given contaminant above a health threshold of concern.

### 6.1 Summary of Stage 1 Contaminant Occurrence Findings

Several Stage 1 analyses were conducted to characterize national occurrence of regulated contaminants in public drinking water systems and are summarized in Exhibits 6-1 and 6-2. Stage 1 analyses measured occurrence at systems, for a general system-level assessment of occurrence, and for population served by systems, for a preliminary assessment of potential exposure to contaminants in drinking water. Both of these occurrence measures were conducted relative to a contaminant's MRL, identifying analytical detections for a broad assessment of the rate of occurrence, and relative to each contaminant's MCL concentration, making a preliminary estimate of occurrence and exposure at or above a contaminant's health-based drinking water standard. The percent of systems and population served by systems with at least one detection greater than the MCL concentration indicates the proportion of all systems or population served by systems with any analytical results exceeding the concentration value of the MCL. Note that this does not indicate an MCL violation. An MCL violation occurs when the MCL is exceeded by the average results from four consecutive quarterly confirmation samples. These Stage 1 analytical findings are organized by contaminant group.

Although the various measures of occurrence generally identify similar lists of higher and lower occurring contaminants, there are differences in the findings of the different measures and these differences can serve to more fully characterize national occurrence of the contaminants. For example, xylenes were found to be the highest occurring VOC based on the assessment relative to the MRL, but were also one of the lowest occurring VOCs based on the assessment

relative to the MCL concentration. Xylenes, in other words, are found to have the highest rate of occurrence, but that occurrence is almost exclusively at very low concentrations that are almost always below concentration thresholds at which xylenes could potentially have negative health effects. Another aspect of the different occurrence measures relates to the size distribution of systems with detections, which influences the size of the potentially exposed population. In this context, “small” systems serve a small population and “large” systems serve a large population. A small number of very large systems with contaminant detections will result in a greater exposed population than will a larger number of small systems with detections. For example, two VOCs, dichloromethane and trichloroethylene, have similar percents of systems (0.293% and 0.387%, respectively) with at least one detection greater than their respective MCL concentrations, yet dichloromethane has a significantly smaller percentage of population served by systems with detections greater than the MCL concentration (1.298%) than does trichloroethylene (5.264%).

### *Inorganic Chemicals*

One occurrence measure is the percentage of systems with at least one sample detection of a contaminant. Using this measure to assess the regulated IOCs wide range of occurrence was found. Percentages ranged from a high of 79.276% of systems with at least one fluoride detection to a low of 3.117% of systems with at least one beryllium detection. The five highest occurring IOCs based on the percent of systems with detections were fluoride (79.276%), barium (72.020%), nitrate (69.942%), arsenic (37.329%), and chromium (24.209%).

A related but different Stage 1 measure, a preliminary estimate of potential drinking water exposure to a contaminant, is the percent of the population served by systems with at least one sample detection of a particular contaminant. Based on this measure, the five IOCs with the highest rates of occurrence/potential exposure are fluoride (with 94.425% of the population served by systems with at least one reported detection), nitrate (90.952%), barium (79.473%), arsenic (49.309%), and nitrite (44.615%).

In addition to characterizing the rates of contaminant occurrence, the Stage 1 analysis can provide information regarding the degree of contaminant occurrence with assessments relative to an important health concentration threshold such as a contaminant’s MCL concentration. For IOCs, the percentage of systems with at least one sample detection greater than a contaminant’s MCL concentration ranged from a high of 2.487% for nitrate to a low of 0.088% for chromium. The five IOCs with the highest Stage 1 estimated occurrence relative to the MCL concentration are nitrate (2.487%), fluoride (1.068%), arsenic (0.750%), nitrite (0.736%) and cadmium (0.274%).

A preliminary estimate of drinking water exposure relative to each contaminant’s drinking water standard is given by the percentage of the population served by systems with at least one sample detection greater than a contaminant’s MCL concentration. Using this measure, the five regulated IOCs with the highest occurrence/potential exposure are nitrate (7.310% of the population served by systems with at least one detection greater than the nitrate MCL concentration), nitrite (4.840%), antimony (1.505%), beryllium (1.386%), and arsenic (1.240%).

### *Synthetic Organic Chemicals*

This same set of occurrence measures was used to assess the regulated SOCs (Exhibits 6-1 and 6-2). Based on the percentage of systems with at least one sample detection of a contaminant, SOC occurrence ranged from a high of 11.197% of systems with at least one di(2-ethylhexyl)phthalate detection to a low of 0.132% of systems with at least one toxaphene detection. The five highest occurring regulated SOCs based on the percent of systems with detections were di(2-ethylhexyl)phthalate (11.197%), atrazine (2.386%), dalapon (1.828%), di(2-ethylhexyl)adipate (1.754%), and 1,2-dibromo-3-chloropropane (1.029%). The high occurrence of di(2-ethylhexyl)phthalate could be due, in part, to sample contamination from older generation laboratory and field sampling equipment made of plastics that contained (and sometimes released) phthalates.

Based on the related but different Stage 1 measure of potential exposure, the percent of the population served by systems with at least one sample detection, the five SOCs with the highest rates of occurrence/potential exposure are di(2-ethylhexyl)phthalate (with 25.227% of the population served by systems with at least one detection), atrazine (17.077%), simazine (10.641%), 1,2-dibromo-3-chloropropane (9.268%), and 2,4-dichlorophenoxyacetic acid (8.714%).

Based on the assessment of the percent of systems with at least one sample detection greater than a contaminant's MCL concentration, the regulated SOCs ranged from a high of 1.663% for di(2-ethylhexyl)phthalate to a low of 0.000% (no systems) for carbofuran, diquat, glyphosate, hexachlorocyclopentadiene, methoxychlor, picloram, and silvex. The five SOCs with the highest Stage 1 estimated occurrence by system relative to the MCL concentration are di(2-ethylhexyl)phthalate (1.663%), 1,2-dibromo-3-chloropropane (0.388%), atrazine (0.263%), ethylene dibromide (0.243%), and benzo(a)pyrene (0.049%).

Based on the percentage of the population served by systems with at least one sample detection greater than a contaminant's MCL concentration, the five SOCs with the highest occurrence/potential exposure are di(2-ethylhexyl)phthalate (6.397%), 1,2-dibromo-3-chloropropane (1.627%), atrazine (1.551%), ethylene dibromide (1.201%), and benzo(a)pyrene (0.117%).

### *Volatile Organic Chemicals*

This same set of occurrence measures was also used to assess the regulated VOCs (Exhibits 6-1 and 6-2). Based on the percentage of systems with at least one sample detection of a contaminant, VOC occurrence ranged from a high of 7.592% of systems with at least one xylene detection to a low of 0.179% of systems with at least one 1,1,2-trichloroethane detection. The five highest occurring regulated VOCs based on the percent of systems with detections were xylenes (7.592%), toluene (5.764%), ethylbenzene (3.909%), dichloromethane (3.903%), and tetrachloroethylene (2.502%).

Based on the related but different Stage 1 measure of the percent of the population served by systems with at least one sample detection, the five VOCs with the highest rates of occurrence/potential exposure are xylenes (with 17.480% of the population served by systems



with at least one xylene detection), dichloromethane (16.542%), tetrachloroethylene (14.076%), toluene (13.215%), and trichloroethylene (13.018%).

Based on the assessment of the percent of systems with at least one sample detection greater than a contaminant's MCL concentration, the regulated VOCs ranged from a high of 0.478% for tetrachloroethylene to a low of 0.000% for six contaminants (1,2-dichlorobenzene; trans-1,2-dichloroethylene; ethylbenzene; monochlorobenzene; 1,2,4-trichlorobenzene, and; xylenes). The five VOCs with the highest Stage 1 estimated occurrence by system relative to the MCL concentration are tetrachloroethylene (0.478%), trichloroethylene (0.387%), dichloromethane (0.293%), benzene (0.125%) and carbon tetrachloride (0.113%).

Finally, based on the percentage of the population served by systems reporting at least one sample detection greater than a contaminant's MCL concentration, a preliminary estimate of drinking water exposure at or above each contaminant's drinking water standard, the five VOCs with the highest occurrence/potential exposure are tetrachloroethylene (6.448%), trichloroethylene (5.264%), 1,1-dichloroethylene (2.517%), carbon tetrachloride (2.189%), and dichloromethane (1.298%).

### *Radionuclides*

This same set of occurrence measures was also used to assess the regulated radionuclides (Exhibits 6-1 and 6-2). Based on the percentage of systems with at least one sample detection of a contaminant, radionuclide occurrence ranged from a high of 74.513% of systems with at least one detection of beta particles to a low of 62.188% of systems with at least one combined radium-226/-228 detection (pre-December 2003). Based on the related but different Stage 1 measure of the percent of the population served by systems with at least one sample detection, the rates of occurrence/potential exposure for the radionuclides are as follows: beta particles (with 86.861% of the population served by systems with at least one beta particle detection), uranium (77.256%), combined radium-226/-228 (71.796% pre-December 2003 and 56.754% post-December 2003), and alpha particles (68.542%).

Based on the assessment of the percent of systems with at least one sample detection greater than a contaminant's MCL concentration, the regulated radionuclides ranged from a high of 11.456% for combined radium-226/-228 (pre-December 2003) to a low of 0.527% for beta particles. Based on the percentage of the population served by systems reporting at least one sample detection greater than a contaminant's MCL concentration (a preliminary estimate of drinking water exposure at or above each contaminant's drinking water standard), the occurrence/potential exposure for the radionuclides are as follows: uranium (11.884%), combined radium-226/-228 (9.620% pre-December 2003 and 9.201% post-December 2003), alpha particles (6.208%), and beta particles (1.228%).

### Exhibit 6-1. Summary of Stage 1 Contaminant Occurrence Findings – Systems and Population Served by Systems

Contaminant	Systems With Detections ≥ MRL		Population Served by Systems With Detections ≥ MRL		Range of Detected Concentrations
	Number	Percent	Number	Percent	
<b>Inorganic Chemicals</b>					
Antimony	2,930	5.978%	42,882,761	19.208%	0.000041 - 0.062 mg/L
Arsenic	18,468	37.329%	113,605,034	49.309%	0.000058 - 0.759 mg/L
Asbestos	268	3.237%	13,919,689	16.345%	0.008 - 2,494 MFL
Barium	35,380	72.020%	182,610,220	79.473%	0.000086 - 19 mg/L
Beryllium	1,497	3.117%	30,507,036	13.780%	0.000021 - 0.14 mg/L
Cadmium	2,742	5.605%	38,915,670	16.943%	0.000006 - 0.085 mg/L
Chromium (Total)	11,840	24.209%	94,666,150	41.226%	0.000009 - 5.2 mg/L
Cyanide	1,329	4.144%	28,313,375	17.428%	0.0009 - 1.93 mg/L
Fluoride	38,528	79.276%	220,548,542	94.425%	0.00006 - 38 mg/L
Mercury (Inorganic)	1,937	3.964%	46,091,272	20.052%	0.000021 - 0.104 mg/L
Nitrate (as N)	83,606	69.942%	208,741,341	90.952%	1.04E-06 - 99 mg/L
Nitrite (as N)	19,263	22.318%	92,793,425	44.615%	0.000001 - 13 mg/L
Selenium	8,456	17.284%	85,160,808	37.048%	0.00006 - 0.49 mg/L
Thallium	1,709	3.493%	28,197,102	12.626%	0.00003 - 0.091 mg/L
<b>Synthetic Organic Chemicals</b>					
Alachlor	121	0.328%	7,997,150	4.053%	0.01 - 14 µg/L
Atrazine	888	2.386%	34,217,212	17.077%	0.00037 - 27 µg/L
Benzo(a)pyrene	140	0.490%	9,311,608	5.057%	0.007 - 1 µg/L
Carbofuran	45	0.145%	5,568,955	3.315%	0.23 - 8 µg/L
Chlordane	67	0.210%	3,417,785	1.878%	0.005 - 5.4 µg/L
Dalapon	519	1.828%	13,583,043	7.623%	0.01 - 1,210 µg/L
Di(2-ethylhexyl)adipate (DEHA)	507	1.754%	12,459,912	6.767%	0.01 - 1,300 µg/L
Di(2-ethylhexyl)phthalate (DEHP)	3,098	11.197%	45,395,007	25.227%	0.05 - 250 µg/L
1,2-Dibromo-3-chloropropane (DBCP)	387	1.029%	17,955,940	9.268%	0.0014 - 10.805 µg/L
2,4-Dichlorophenoxyacetic acid (2,4-D)	299	0.901%	16,334,821	8.714%	0.009 - 230 µg/L

Contaminant	Systems With Detections $\geq$ MRL		Population Served by Systems With Detections $\geq$ MRL		Range of Detected Concentrations
	Number	Percent	Number	Percent	
Dinoseb	87	0.266%	5,646,930	3.087%	0.0355 - 45 $\mu\text{g/L}$
Diquat	69	0.442%	8,558,497	7.095%	0.08 - 13 $\mu\text{g/L}$
Endothall	33	0.233%	6,114,200	5.158%	0.1 - 548.1 $\mu\text{g/L}$
Endrin	47	0.143%	6,951,834	3.777%	0.001 - 3.3 $\mu\text{g/L}$
Ethylene Dibromide (EDB)	195	0.538%	13,028,187	6.924%	0.001387 - 1.6 $\mu\text{g/L}$
Glyphosate	29	0.177%	3,542,382	3.047%	2.6 - 700 $\mu\text{g/L}$
Heptachlor	263	0.796%	8,548,973	4.635%	0.001 - 0.5 $\mu\text{g/L}$
Heptachlor Epoxide	73	0.221%	3,896,528	2.112%	0.001 - 2 $\mu\text{g/L}$
Hexachlorobenzene	112	0.341%	3,932,601	2.136%	0.002 - 10 $\mu\text{g/L}$
Hexachlorocyclopentadiene	225	0.686%	15,372,168	8.321%	0.001 - 15 $\mu\text{g/L}$
Lindane (gamma-Hexachlorocyclohexane)	84	0.253%	7,579,836	4.048%	0.001 - 0.69 $\mu\text{g/L}$
Methoxychlor	53	0.159%	5,546,555	2.956%	0.0073 - 1.1 $\mu\text{g/L}$
Oxamyl (Vydate)	71	0.230%	6,279,825	3.752%	0.18 - 531.1 $\mu\text{g/L}$
Pentachlorophenol	251	0.731%	9,703,607	5.094%	0.01 - 10 $\mu\text{g/L}$
Picloram	136	0.413%	8,526,791	4.575%	0.01 - 190 $\mu\text{g/L}$
Polychlorinated biphenyls (PCBs)	29	0.158%	3,678,868	2.964%	0.057 - 1.44 $\mu\text{g/L}$
Simazine	267	0.725%	20,962,003	10.641%	0.01 - 12.4 $\mu\text{g/L}$
Toxaphene	40	0.132%	3,538,487	2.211%	0.04 - 6.8 $\mu\text{g/L}$
2,3,7,8-TCDD (Dioxin)	17	0.713%	307,540	0.582%	0.000001 - 0.000178 $\mu\text{g/L}$
2,4,5-Trichlorophenoxypropionic Acid (Silvex)	78	0.237%	4,755,587	2.599%	0.0147 - 28 $\mu\text{g/L}$
<b>Volatile Organic Chemicals</b>					
Benzene	446	0.884%	12,191,524	5.372%	0.031 - 93 $\mu\text{g/L}$
Carbon Tetrachloride	650	1.289%	22,309,062	9.831%	0.003 - 300 $\mu\text{g/L}$
1,2-Dichlorobenzene	116	0.230%	3,735,111	1.646%	0.004 - 110 $\mu\text{g/L}$
1,4-Dichlorobenzene	748	1.497%	7,463,993	3.325%	0.002 - 700 $\mu\text{g/L}$
1,2-Dichloroethane	376	0.745%	14,019,067	6.178%	0.005 - 135.8 $\mu\text{g/L}$
1,1-Dichloroethylene	347	0.688%	13,426,923	5.917%	0.054 - 214 $\mu\text{g/L}$

Contaminant	Systems With Detections $\geq$ MRL		Population Served by Systems With Detections $\geq$ MRL		Range of Detected Concentrations
	Number	Percent	Number	Percent	
cis-1,2-Dichloroethylene	485	0.964%	19,038,241	8.438%	0.008 - 220 $\mu\text{g/L}$
trans-1,2-Dichloroethylene	95	0.189%	3,096,479	1.372%	0.025 - 24 $\mu\text{g/L}$
Dichloromethane (Methylene Chloride)	1,958	3.903%	37,524,772	16.542%	0.0041 - 315.9 $\mu\text{g/L}$
1,2-Dichloropropane	242	0.480%	10,172,188	4.483%	0.005 - 26.2 $\mu\text{g/L}$
Ethylbenzene	1,972	3.909%	26,908,998	11.857%	0.002 - 557 $\mu\text{g/L}$
Monochlorobenzene	135	0.268%	3,529,759	1.564%	0.003 - 42 $\mu\text{g/L}$
Styrene	528	1.047%	5,685,948	2.506%	0.002 - 710 $\mu\text{g/L}$
Tetrachloroethylene (PCE)	1,262	2.502%	31,952,900	14.076%	0.001 - 177 $\mu\text{g/L}$
Toluene	2,908	5.764%	29,991,392	13.215%	0.002 - 5,100 $\mu\text{g/L}$
1,2,4-Trichlorobenzene	161	0.321%	2,016,307	0.889%	0.003 - 70 $\mu\text{g/L}$
1,1,1-Trichloroethane	542	1.075%	14,883,555	6.559%	0.009 - 1,400 $\mu\text{g/L}$
1,1,2-Trichloroethane	90	0.179%	2,060,549	0.908%	0.015 - 40 $\mu\text{g/L}$
Trichloroethylene (TCE)	1,013	2.009%	29,537,747	13.018%	0.001 - 159 $\mu\text{g/L}$
Vinyl Chloride	207	0.411%	3,528,685	1.558%	0.013 - 46.5 $\mu\text{g/L}$
Xylenes (Total)	3,621	7.592%	38,118,213	17.480%	0.002 - 4,000 $\mu\text{g/L}$
<b>Radiological Contaminants</b>					
Alpha Particles	12,699	68.080%	83,052,912	68.542%	8E-10 - 348.33 pCi/L
Beta Particles	10,604	74.513%	104,471,857	86.861%	0.00001 - 488 pCi/L
Combined Radium-226 & -228 (original Radionuclides rule)	4,281	62.188%	34,047,514	71.796%	0.01 - 142 pCi/L
Combined Radium-226 & -228 (revised Radionuclides rule)	2,724	69.972%	23,511,235	56.754%	0.0008 - 56.66 pCi/L
Uranium	4,101	69.262%	54,566,649	77.256%	1.49E-06 - 469 $\mu\text{g/L}$

### Exhibit 6-2. Number and Percent of Systems and Population Served by Systems with Detections Greater than the MCL Concentration

Contaminant (MCL Concentration)	Systems With Detections > MCL Concentration		Population Served by Systems With Detections > MCL Concentration	
	Number	Percent	Number	Percent
<b>Inorganic Chemicals</b>				
Antimony (0.006 mg/L)	130	0.265%	3,360,506	1.505%
Arsenic <sup>1</sup> (0.05 mg/L)	371	0.750%	2,855,848	1.240%
Asbestos (7 MFL)	14	0.169%	253,977	0.298%
Barium (2 mg/L)	66	0.134%	211,108	0.092%
Beryllium (0.004 mg/L)	53	0.110%	3,067,277	1.386%
Cadmium (0.005 mg/L)	134	0.274%	2,399,069	1.045%
Chromium (Total) (0.1 mg/L)	43	0.088%	716,617	0.312%
Cyanide (0.2 mg/L)	44	0.137%	256,908	0.158%
Fluoride (4 mg/L)	519	1.068%	2,823,214	1.209%
Mercury (Inorganic) (0.002 mg/L)	82	0.168%	2,591,320	1.127%
Nitrate (as N) (10 mg/L)	2,973	2.487%	16,777,093	7.310%
Nitrite (as N) (1 mg/L)	635	0.736%	10,067,031	4.840%
Selenium (0.05 mg/L)	65	0.133%	224,816	0.098%
Thallium (0.002 mg/L)	125	0.255%	1,831,801	0.820%
<b>Synthetic Organic Chemicals</b>				
Alachlor (2 µg/L)	8	0.022%	25,419	0.013%
Atrazine (3 µg/L)	98	0.263%	3,108,330	1.551%
Benzo(a)pyrene (0.2 µg/L)	14	0.049%	214,983	0.117%
Carbofuran (40 µg/L)	0	0.000%	0	0.000%
Chlordane (2 µg/L)	4	0.013%	625	0.000%
Dalapon (200 µg/L)	1	0.004%	20,114	0.011%
Di(2-ethylhexyl)adipate (DEHA) (400 µg/L)	2	0.007%	22,913	0.012%
Di(2-ethylhexyl)phthalate (DEHP) (6 µg/L)	460	1.663%	11,510,704	6.397%

Contaminant (MCL Concentration)	Systems With Detections > MCL Concentration		Population Served by Systems With Detections > MCL Concentration	
	Number	Percent	Number	Percent
1,2-Dibromo-3-chloropropane (DBCP) (0.2 µg/L)	146	0.388%	3,151,491	1.627%
2,4-Dichlorophenoxyacetic acid (70 µg/L)	1	0.003%	13,933	0.007%
Dinoseb (7 µg/L)	5	0.015%	26,212	0.014%
Diquat (20 µg/L)	0	0.000%	0	0.000%
Endothall (100 µg/L)	3	0.021%	74,657	0.063%
Endrin (2 µg/L)	1	0.003%	300	0.000%
Ethylene Dibromide (EDB) (0.05 µg/L)	88	0.243%	2,260,060	1.201%
Glyphosate (700 µg/L)	0	0.000%	0	0.000%
Heptachlor (0.4 µg/L)	2	0.006%	4,699	0.003%
Heptachlor Epoxide (0.2 µg/L)	6	0.018%	19,347	0.010%
Hexachlorobenzene (1 µg/L)	4	0.012%	4,944	0.003%
Hexachlorocyclopentadiene (50 µg/L)	0	0.000%	0	0.000%
Lindane (gamma- Hexachlorocyclohexane) (0.2 µg/L)	3	0.009%	4,836	0.003%
Methoxychlor (40 µg/L)	0	0.000%	0	0.000%
Oxamyl (Vydate) (200 µg/L)	1	0.003%	200	0.000%
Pentachlorophenol (1 µg/L)	8	0.023%	11,805	0.006%
Picloram (500 µg/L)	0	0.000%	0	0.000%
Polychlorinated biphenyls (PCBs) (0.5 µg/L)	2	0.011%	125,046	0.101%
Simazine (4 µg/L)	16	0.043%	123,159	0.063%
Toxaphene (3 µg/L)	5	0.016%	27,063	0.017%
2,3,7,8-TCDD (Dioxin) (0.00003 µg/L)	1	0.042%	7,100	0.013%
2,4,5-Trichlorophenoxypropionic Acid (Silvex) (50 µg/L)	0	0.000%	0	0.000%
<b>Volatile Organic Chemicals</b>				
Benzene (5 µg/L)	63	0.125%	486,938	0.215%
Carbon Tetrachloride (5 µg/L)	57	0.113%	4,967,564	2.189%
1,2-Dichlorobenzene (600 µg/L)	0	0.000%	0	0.000%
1,4-Dichlorobenzene (75 µg/L)	3	0.006%	99,019	0.044%

Contaminant (MCL Concentration)	Systems With Detections > MCL Concentration		Population Served by Systems With Detections > MCL Concentration	
	Number	Percent	Number	Percent
1,2-Dichloroethane (5 µg/L)	36	0.071%	438,212	0.193%
1,1-Dichloroethylene (7 µg/L)	33	0.065%	5,712,193	2.517%
cis-1,2-Dichloroethylene (70 µg/L)	5	0.010%	166,753	0.074%
trans-1,2-Dichloroethylene (100 µg/L)	0	0.000%	0	0.000%
Dichloromethane (Methylene Chloride) (5 µg/L)	147	0.293%	2,943,449	1.298%
1,2-Dichloropropane (5 µg/L)	10	0.020%	351,687	0.155%
Ethylbenzene (700 µg/L)	0	0.000%	0	0.000%
Monochlorobenzene (100 µg/L)	0	0.000%	0	0.000%
Styrene (100 µg/L)	4	0.008%	1,310	0.001%
Tetrachloroethylene (PCE) (5 µg/L)	241	0.478%	14,637,946	6.448%
Toluene (1,000 µg/L)	1	0.002%	500	0.000%
1,2,4-Trichlorobenzene (70 µg/L)	0	0.000%	0	0.000%
1,1,1-Trichloroethane (200 µg/L)	2	0.004%	226	0.000%
1,1,2-Trichloroethane (5 µg/L)	7	0.014%	126,351	0.056%
Trichloroethylene (TCE) (5 µg/L)	195	0.387%	11,945,084	5.264%
Vinyl Chloride (2 µg/L)	41	0.081%	482,079	0.213%
Xylenes (Total) (10,000 µg/L)	0	0.000%	0	0.000%
<b>Radiological Contaminants</b>				
Alpha Particles (15 pCi/L)	854	4.578%	7,522,810	6.208%
Beta Particles (screening level = 50 pCi/L)	75	0.527%	1,477,336	1.228%
Combined Radium-226 & -228 (original Radionuclides rule) (5 pCi/L)	502	7.292%	4,562,001	9.620%
Combined Radium-226 & -228 (revised Radionuclides rule) (5 pCi/L)	446	11.456%	3,811,454	9.201%
Uranium (30 µg/L)	448	7.566%	8,394,113	11.884%

## 6.2 Comparison of Stage 1 Analysis of First and Second Six-Year Reviews

Exhibit 6-3 presents a comparison of contaminant occurrence estimates from the first Six-Year Review, based on compliance monitoring data from 1993-1997, and the second Six-Year Review, based on compliance monitoring data from 1998-2005. Some of the contaminants assessed for the second Six-Year Review were not assessed for the first Six-Year Review. The occurrence estimates from the first Six-Year Review and the second Six-Year Review appear to be broadly similar. Note, however, that comparisons or apparent occurrence changes over time must be somewhat qualified given the differences between the two datasets. The first Six-Year Review dataset consisted of data from 16 states that were assembled into a “national cross-section” that was indicative, though not statistically representative, of national occurrence. In contrast, the second Six-Year Review-ICR Dataset consists of data from 45 states that serve as a very large sample that, essentially, is nationally representative. Therefore, it is possible that differences in occurrence measures between the first and second Six-Year Review Stage 1 findings summarized in Exhibit 6-3 reflect differences in the respective datasets rather than differences in actual occurrence. Nonetheless, both datasets provided sound assessments of national contaminant occurrence in systems, so significant differences in occurrence estimates generated for the first and second Six-Year Reviews may provide information on changes in occurrence over time. Occurrence evaluations specifically designed to assess occurrence trends over time might assess occurrence changes for a particular contaminant only in all the systems that were included in both the first and second Six-Year Review datasets. These temporal analyses of contaminant occurrence were not conducted for this current assessment.

**Exhibit 6-3. Comparison of Stage 1 Analyses of the First Six-Year Review and the Second Six-Year Review based on the Percent of Systems**

Contaminant (MCL Concentration)	Percent of Systems With Detections $\geq$ MRL		Percent of Systems With Detections > MCL Concentration	
	Six-Year 1 <sup>1</sup>	Six-Year 2	Six-Year 1 <sup>1</sup>	Six-Year 2
<b>Inorganic Chemicals</b>				
Antimony (0.006 mg/L)	14.4%	5.98%	0.62%	0.27%
Barium (2 mg/L)	71.2%	72.02%	0.17%	0.13%
Beryllium (0.004 mg/L)	3.32%	3.12%	0.22%	0.11%
Cadmium (0.005 mg/L)	17.6%	5.61%	0.54%	0.27%
Chromium (Total) (0.1 mg/L)	18.3%	24.21%	0.13%	0.09%
Cyanide (0.2 mg/L)	17.0%	4.14%	0.17%	0.14%
Fluoride (4 mg/L)	83.8%	79.28%	1.28%	1.07%
Mercury (Inorganic) (0.002 mg/L)	17.3%	3.96%	0.26%	0.17%
Selenium (0.05 mg/L)	22.1%	17.28%	0.11%	0.13%



Contaminant (MCL Concentration)	Percent of Systems With Detections ≥ MRL		Percent of Systems With Detections > MCL Concentration	
	Six-Year 1 <sup>1</sup>	Six-Year 2	Six-Year 1 <sup>1</sup>	Six-Year 2
Thallium (0.002 mg/L)	4.22%	3.49%	0.68%	0.26%
<b>Synthetic Organic Chemicals</b>				
Alachlor (2 µg/L)	0.67%	0.33%	0.00%	0.02%
Atrazine (3 µg/L)	3.83%	2.39%	0.68%	0.26%
Benzo(a)pyrene (0.2 µg/L)	0.44%	0.49%	0.05%	0.05%
Carbofuran (40 µg/L)	0.06%	0.14%	0.00%	0.00%
Chlordane (2 µg/L)	1.19%	0.21%	0.01%	0.01%
Dalapon (200 µg/L)	1.10%	1.83%	0.00%	0.00%
Di(2-ethylhexyl)adipate (DEHA) (400 µg/L)	7.31%	1.75%	0.01%	0.01%
Di(2-ethylhexyl)phthalate (DEHP) (6 µg/L)	12.5%	11.20%	2.20%	1.66%
1,2-Dibromo-3-chloropropane (DBCP) (0.2 µg/L)	1.61%	1.03%	0.91%	0.39%
2,4-Dichlorophenoxyacetic acid (2,4-D) (70 µg/L)	0.12%	0.90%	0.02%	0.00%
Dinoseb (7 µg/L)	0.24%	0.27%	0.02%	0.02%
Diquat (20 µg/L)	0.49%	0.44%	0.02%	0.00%
Endothall (100 µg/L)	0.15%	0.23%	0.03%	0.02%
Endrin (2 µg/L)	0.18%	0.14%	0.02%	0.00%
Ethylene Dibromide (EDB) (0.05 µg/L)	1.06%	0.54%	0.72%	0.24%
Glyphosate (700 µg/L)	0.10%	0.18%	0.00%	0.00%
Heptachlor (0.4 µg/L)	0.08%	0.80%	0.01%	0.01%
Heptachlor Epoxide (0.2 µg/L)	0.09%	0.22%	0.03%	0.02%
Hexachlorobenzene (1 µg/L)	0.09%	0.34%	0.01%	0.01%
Hexachlorocyclopentadiene (50 µg/L)	0.89%	0.69%	0.00%	0.00%
Lindane (gamma-Hexachlorocyclohexane) (0.2 µg/L)	0.16%	0.25%	0.04%	0.01%
Methoxychlor (40 µg/L)	0.19%	0.16%	0.01%	0.00%
Oxamyl (Vydate) (200 µg/L)	0.08%	0.23%	0.00%	0.00%
Pentachlorophenol (1 µg/L)	0.43%	0.73%	0.03%	0.02%
Picloram (500 µg/L)	0.41%	0.41%	0.00%	0.00%

Contaminant (MCL Concentration)	Percent of Systems With Detections ≥ MRL		Percent of Systems With Detections > MCL Concentration	
	Six-Year 1 <sup>1</sup>	Six-Year 2	Six-Year 1 <sup>1</sup>	Six-Year 2
Polychlorinated biphenyls (PCBs) (0.5 µg/L)	0.09%	0.16%	0.03%	0.01%
Simazine (4 µg/L)	1.80%	0.72%	0.06%	0.04%
Toxaphene (3 µg/L)	0.08%	0.13%	0.01%	0.02%
2,4,5-Trichlorophenoxypropionic Acid (Silvex) (50 µg/L)	0.40%	0.24%	0.00%	0.00%
<b>Volatile Organic Chemicals</b>				
Benzene (5 µg/L)	1.31%	0.88%	0.19%	0.12%
Carbon Tetrachloride (5 µg/L)	1.99%	1.29%	0.20%	0.11%
1,2-Dichlorobenzene (600 µg/L)	0.61%	0.23%	0.00%	0.00%
1,4-Dichlorobenzene (75 µg/L)	1.76%	1.50%	0.00%	0.01%
1,2-Dichloroethane (5 µg/L)	1.31%	0.75%	0.13%	0.07%
1,1-Dichloroethylene (7 µg/L)	1.58%	0.69%	0.24%	0.07%
cis-1,2-Dichloroethylene (70 µg/L)	1.37%	0.96%	0.03%	0.01%
trans-1,2-Dichloroethylene (100 µg/L)	0.53%	0.19%	0.00%	0.00%
Dichloromethane (Methylene Chloride) (5 µg/L)	8.59%	3.90%	0.67%	0.29%
1,2-Dichloropropane (5 µg/L)	0.67%	0.48%	0.07%	0.02%
Ethylbenzene (700 µg/L)	3.62%	3.91%	0.00%	0.00%
Monochlorobenzene (100 µg/L)	0.75%	0.27%	0.00%	0.00%
Styrene (100 µg/L)	0.99%	1.05%	0.00%	0.01%
Tetrachloroethylene (PCE) (5 µg/L)	3.36%	2.50%	0.78%	0.48%
Toluene (1,000 µg/L)	4.73%	5.76%	0.00%	0.00%
1,2,4-Trichlorobenzene (70 µg/L)	0.61%	0.32%	0.00%	0.00%
1,1,1-Trichloroethane (200 µg/L)	2.50%	1.07%	0.01%	0.00%
1,1,2-Trichloroethane (5 µg/L)	0.62%	0.18%	0.04%	0.01%
Trichloroethylene (TCE) (5 µg/L)	2.61%	2.01%	0.65%	0.39%
Vinyl Chloride (2 µg/L)	0.61%	0.41%	0.11%	0.08%
Xylenes (Total) (10,000 µg/L)	4.16%	7.59%	0.00%	0.00%

1. The first Six-Year Review occurrence estimate values presented in this table are from the report titled *Occurrence Estimation Methodology and Occurrence Findings for Six-Year Review of National Primary Drinking Water Regulations*. EPA Report 815-R-03-006, Office of Water (USEPA, 2003b).

### 6.3 System Sample Point Level Analysis

The basic Stage 1 analytical methodology is a conservative approach; occurrence measures are based on simple counts of whether or not a system has at least one monitoring sample identified with a contaminant detection greater than a specified concentration threshold. The approach includes another implicit conservative assumption; if a detection is found in a single entry point to the distribution system or other formal system sample point (SP), then the entire population served by the system is assumed to be potentially exposed to the detected contaminant at the system. For example, if a system serves a population of 30,000 and identified a detection of a contaminant in one of its two SPs, the primary Stage 1 analytical methodology would estimate that the entire population served by the system (30,000) was potentially exposed to the maximum detected levels of the contaminant found in the one SP. In this context, sample points (SPs) are defined as the authorized drinking water sample locations for compliance monitoring of regulated contaminants. SPs primarily are entry points to the distribution system, but a small number of states allow for sampling of raw, untreated ground water wells or surface water intakes as well.

In reality, many systems get water from multiple water sources, such as a mix of purchased and non-purchased water, ground water wells and surface water source intakes, etc. In systems with multiple SPs, such as multiple surface water intakes, multiple wells, and/or multiple entry points to the distribution system, contaminant occurrence in one source or one SP does not necessarily mean contaminant occurrence in all sources or SPs that distribute water to consumers. Given this, additional Stage 1 analyses were conducted at the SP-level to provide supplementary details of contaminant occurrence.

The SP analysis is a less conservative estimate of the population served by systems with contaminant detections. To derive this SP-level measure, an assumption was necessary regarding population served by individual SPs at drinking water systems. The population served by each SP, and entry point to the distribution system, at a system is often difficult to know and is rarely, if ever, reported along with other compliance monitoring records. Therefore, EPA assumed for the analysis that the total population served by a particular system is equally distributed across all SPs at the system.<sup>14</sup> With this assumption, the population served by a SP with a detection of a particular contaminant is calculated by multiplying the system's total population served by the portion of that system's SPs with a contaminant detection. For example, if a system serves a population of 30,000 and found detections of a contaminant in one of its two SPs, then a population of 15,000 ( $30,000 \times \frac{1}{2}$ ) would be estimated to be potentially exposed to the contaminant.

This sample point analysis required determination of the total number of entry points and/or other SPs for each system. This was done by counting the total number of unique SPs for

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<sup>14</sup> This "proportional population" assumption is based on the idea that for every public water system, each sample point serves an equal portion of the system's total population. How well this assumption reflects actual populations potentially exposed to contaminant occurrence at a system will depend on the distribution system and service population configurations at individual systems.

each system over the entire eight years of data. These counts were done separately for each contaminant at every system. While conducting these counts, it appeared that some systems may have changed their sample point numbering conventions, their “SP identification codes,” the formal sample point identification number, at some point over the eight years of data, which would result in the number of apparent sample points being higher than the number of actual sample points. If so, this approach to sample point counting could potentially overestimate the total number of SPs for a system thereby resulting in an underestimate of the population served by each SP.<sup>15</sup>

Exhibit 6-4 presents a summary of the Stage 1 findings based on SPs and population served by SPs. Similar to the system-level analysis for the IOCs, fluoride and barium had the highest percentage of SPs (78.424% and 67.150%, respectively) with detections at or above the MRL. The largest percentage of the population served by SPs with detections at or above the MRL was for fluoride (91.005%). Of all the IOCs, nitrate had the highest percent of SPs with detections greater than the MCL concentration (2.072%).

Di(2-ethylhexyl)phthalate was the highest occurring SOC based on the percent of SPs with detections at or above the MRL (8.726%). Atrazine and di(2-ethylhexyl)phthalate had the highest percentages of population served by SPs with detections at or above the MRL (13.042 % and 12.451%, respectively). In addition, di(2-ethylhexyl)phthalate had the highest percent of SPs with detections greater than the MCL concentration of all the SOCs (1.071%). The high occurrence of di(2-ethylhexyl)phthalate could be due, in part, to sample contamination from older generation laboratory and field sampling equipment made of plastics that contained (and sometimes released) phthalates.

Similar to the system-level analysis, total xylenes was the highest occurring VOC, based on the percent of SPs with detections at or above the MRL, with 5.386% of SPs detecting. Of all the VOCs, tetrachloroethylene and trichloroethylene had the highest percent of SPs with detections greater than the MCL concentration (0.522% and 0.473%, respectively) and population served by SPs with detections greater than the MCL concentration (1.212% and 1.452%, respectively).

Uranium was the highest occurring radionuclide, based on the percent of SPs with detections at or above the MRL, with 69.796% of SPs detecting. Combined radium-226/-228 had the highest percent of SPs with detections greater than the MCL concentration (7.239% pre-December 2003 and 11.329% post-December 2003) and population served by SPs with detections greater than the MCL concentration (4.784% pre-December 2003 and 4.729% post-December 2003).

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<sup>15</sup> Another method was explored for counting the number of SPs. This other method used the maximum number of SPs that sampled in a given year as the system’s “total number of SPs.” This approach likely avoids the issue of changing SP numbering conventions over time. However, this method has the potential to underestimate the total number of SPs for the system and therefore overestimate the population-served by each SP. For example, a system could truly have a total of three SPs but those three SPs might not all sample within the same year, so the number of actual SPs sampled over the eight-year period might be underestimated. If a system is on reduced monitoring, each SP might only need to sample as often as once every three years.

### Exhibit 6-4. Summary of Stage 1 Contaminant Occurrence Findings – Sample Points and Population Served by Sample Points

Contaminant (MCL Concentration)	Percent of Sample Points		Percent of Population-Served by Sample Points	
	With Detections ≥ MRL	With Detections > MCL Concentration	With Detections ≥ MRL	With Detections > MCL Concentration
<b>Inorganic Chemicals</b>				
Antimony (0.006 mg/L)	4.407%	0.189%	11.488%	0.587%
Arsenic (0.05 mg/L)	37.410%	0.628%	36.759%	0.209%
Asbestos (7 MFL)	2.426%	0.132%	5.984%	0.118%
Barium (2 mg/L)	67.150%	0.093%	72.546%	0.052%
Beryllium (0.004 mg/L)	2.220%	0.074%	7.714%	1.213%
Cadmium (0.005 mg/L)	3.949%	0.184%	8.687%	0.549%
Chromium (Total) (0.1 mg/L)	21.720%	0.062%	26.425%	0.038%
Cyanide (0.2 mg/L)	2.915%	0.081%	10.515%	0.030%
Fluoride (4 mg/L)	78.424%	0.729%	91.005%	0.276%
Mercury (Inorganic) (0.002 mg/L)	3.245%	0.102%	7.821%	0.204%
Nitrate (as N) (10 mg/L)	66.205%	2.072%	84.026%	1.943%
Nitrite (as N) (1 mg/L)	20.351%	0.671%	26.926%	1.155%
Selenium (0.05 mg/L)	15.632%	0.099%	23.564%	0.024%
Thallium (0.002 mg/L)	2.817%	0.179%	7.408%	0.213%
<b>Synthetic Organic Chemicals</b>				
Alachlor (2 µg/L)	0.235%	0.013%	3.736%	0.006%
Atrazine (3 µg/L)	1.971%	0.160%	13.042%	0.783%
Benzo(a)pyrene (0.2 µg/L)	0.315%	0.031%	4.235%	0.044%
Carbofuran (40 µg/L)	0.101%	0.000%	3.111%	0.000%
Chlordane (2 µg/L)	0.146%	0.011%	1.701%	0.000%
Dalapon (200 µg/L)	1.276%	0.002%	6.027%	0.011%
Di(2-ethylhexyl)adipate (DEHA) (400 µg/L)	1.286%	0.006%	4.602%	0.012%
Di(2-ethylhexyl)phthalate (DEHP) (6 µg/L)	8.726%	1.071%	12.451%	1.436%
1,2-Dibromo-3-chloropropane (DBCP) (0.2 µg/L)	1.616%	0.518%	5.276%	0.422%

Contaminant (MCL Concentration)	Percent of Sample Points		Percent of Population-Served by Sample Points	
	With Detections ≥ MRL	With Detections > MCL Concentration	With Detections ≥ MRL	With Detections > MCL Concentration
2,4-Dichlorophenoxyacetic acid (2,4-D) (70 µg/L)	0.630%	0.002%	5.587%	0.007%
Dinoseb (7 µg/L)	0.183%	0.009%	2.674%	0.003%
Diquat (20 µg/L)	0.318%	0.000%	2.899%	0.000%
Endothall (100 µg/L)	0.162%	0.012%	3.837%	0.024%
Endrin (2 µg/L)	0.105%	0.002%	3.619%	0.000%
Ethylene Dibromide (EDB) (0.05 µg/L)	0.417%	0.186%	2.265%	0.311%
Glyphosate (700 µg/L)	0.118%	0.000%	2.749%	0.000%
Heptachlor (0.4 µg/L)	0.762%	0.004%	3.964%	0.001%
Heptachlor Epoxide (0.2 µg/L)	0.162%	0.011%	1.937%	0.003%
Hexachlorobenzene (1 µg/L)	0.220%	0.007%	2.011%	0.003%
Hexachlorocyclopentadiene (50 µg/L)	0.451%	0.000%	5.573%	0.000%
Lindane (gamma- Hexachlorocyclohexane) (0.2 µg/L)	0.190%	0.005%	3.690%	0.001%
Methoxychlor (40 µg/L)	0.110%	0.000%	2.273%	0.000%
Oxamyl (Vydate) (200 µg/L)	0.152%	0.002%	2.583%	0.000%
Pentachlorophenol (1 µg/L)	0.503%	0.014%	3.515%	0.002%
Picloram (500 µg/L)	0.281%	0.000%	3.373%	0.000%
Polychlorinated biphenyls (PCBs) (0.5 µg/L)	0.131%	0.007%	2.472%	0.025%
Simazine (4 µg/L)	0.492%	0.026%	7.421%	0.061%
Toxaphene (3 µg/L)	0.093%	0.010%	2.061%	0.015%
2,3,7,8-TCDD (Dioxin) (0.00003 µg/L)	0.384%	0.019%	0.182%	0.013%
2,4,5-Trichlorophenoxypropionic Acid (Silvex) (50 µg/L)	0.166%	0.000%	2.078%	0.000%
<b>Volatile Organic Chemicals</b>				
Benzene (5 µg/L)	0.591%	0.079%	1.333%	0.053%
Carbon Tetrachloride (5 µg/L)	0.898%	0.073%	4.082%	0.070%
1,2-Dichlorobenzene (600 µg/L)	0.153%	0.000%	0.685%	0.000%
1,4-Dichlorobenzene (75 µg/L)	0.956%	0.003%	1.417%	0.001%
1,2-Dichloroethane (5 µg/L)	0.639%	0.053%	2.300%	0.032%

Contaminant (MCL Concentration)	Percent of Sample Points		Percent of Population-Served by Sample Points	
	With Detections ≥ MRL	With Detections > MCL Concentration	With Detections ≥ MRL	With Detections > MCL Concentration
1,1-Dichloroethylene (7 µg/L)	0.711%	0.082%	1.540%	0.227%
cis-1,2-Dichloroethylene (70 µg/L)	1.083%	0.009%	2.701%	0.005%
trans-1,2-Dichloroethylene (100 µg/L)	0.143%	0.000%	0.479%	0.000%
Dichloromethane (Methylene Chloride) (5 µg/L)	2.610%	0.180%	5.020%	0.549%
1,2-Dichloropropane (5 µg/L)	0.320%	0.014%	0.727%	0.080%
Ethylbenzene (700 µg/L)	2.456%	0.000%	2.175%	0.000%
Monochlorobenzene (100 µg/L)	0.166%	0.000%	0.725%	0.000%
Styrene (100 µg/L)	0.632%	0.004%	0.618%	0.000%
Tetrachloroethylene (PCE) (5 µg/L)	3.189%	0.522%	4.489%	1.212%
Toluene (1,000 µg/L)	3.606%	0.001%	3.828%	0.000%
1,2,4-Trichlorobenzene (70 µg/L)	0.182%	0.000%	0.372%	0.000%
1,1,1-Trichloroethane (200 µg/L)	0.897%	0.002%	1.561%	0.000%
1,1,2-Trichloroethane (5 µg/L)	0.119%	0.012%	0.386%	0.007%
Trichloroethylene (TCE) (5 µg/L)	2.426%	0.473%	4.590%	1.452%
Vinyl Chloride (2 µg/L)	0.281%	0.048%	0.712%	0.124%
Xylenes (Total) (10,000 µg/L)	5.386%	0.000%	5.457%	0.000%
<b>Radiological Contaminants</b>				
Alpha Particles (15 pCi/L)	62.173%	4.022%	55.651%	1.696%
Beta Particles (screening level = 50 pCi/L)	68.192%	0.359%	75.894%	0.347%
Combined Radium-226 & -228 (original Radionuclides rule) (5 pCi/L)	58.091%	7.239%	57.507%	4.784%
Combined Radium-226 & -228 (revised Radionuclides rule) (5 pCi/L)	66.595%	11.329%	48.258%	4.729%
Uranium (30 µg/L)	69.796%	6.759%	68.227%	1.922%

## 7 Stage 2 Analysis

The Stage 2 statistical analysis consists of estimates of long-term system mean concentrations for 11 regulated SOCs and 11 regulated VOCs. These 22 contaminants are referred to as “Category 1 contaminants” based on their: relatively high rates of occurrence at or near concentration thresholds of concern; new or ongoing health effects assessments, and; potential new laboratory analytical capabilities. These 22 Category 1 contaminants are benzene, carbofuran, carbon tetrachloride, chlordane, 1,2-dibromo-3-chloropropane, 1,2-dichloroethane, dichloromethane, 2,4-dichlorophenoxyacetic acid, 1,2-dichloropropane, endosulfan, heptachlor, heptachlor epoxide, hexachlorobenzene, hexachlorocyclopentadiene, oxamyl, tetrachloroethylene, toluene, toxaphene, 1,1,2-trichloroethane, trichloroethylene, vinyl chloride, and xylenes (total).

Because the second Six-Year Review-ICR dataset is so much larger and more robust than the dataset used for the first Six-Year Review, it was possible here to use a simpler analytical approach to estimate system means. For the second Six-Year Review, system means were calculated using a simple arithmetic average of all detection and non-detection records for each system. For the first Six-Year Review, the Stage 2 analysis consisted of Bayesian probabilistic modeling to estimate long-term system means and the number of systems with means exceeding certain contaminant concentration thresholds. All the first Six-Year Review occurrence analyses, including the Stage 2 analysis Bayesian modeling, used occurrence data from the “16-State National Cross-Section.”

The Stage 2 analysis system contaminant mean estimates provide a less conservative contaminant occurrence estimate than does the Stage 1 analysis, which is based on a single maximum sample result exceeding a certain contaminant threshold. The Stage 2 analyses also provide better occurrence estimates for contaminants for which chronic health effects are of concern.

Calculating a contaminant arithmetic mean for each system required substituting a numeric value for each non-detection record. This “simple substitution method” for substituting numeric values for the non-detections is a straight-forward and standard data management approach for this type of analysis (e.g., Helsel and Hirsch, 1991). Public water systems use this approach for calculating annual, rolling four-quarter average contaminant concentrations and can substitute zero for each sample non-detection record when generating average concentration values. For the second Six-Year Review, three different substitution values—zero, one-half the MRL value, and the full MRL value—were used to replace each non-detection record. Since the true, but unknown, concentration of a contaminant for each non-detection is theoretically between zero and the MRL, using a substitution value of zero for each non-detection would generate a lower bound estimated average, substituting the full MRL would generate an upper bound estimate and substituting the ½ MRL value would generate a mid-range estimate. EPA calculated three arithmetic means for each contaminant at each system using the zero, one-half MRL and full MRL substitution values.

These system contaminant mean calculations were done for all systems with data in the Six-Year Review-ICR dataset. Then, all system results were aggregated and the percent of all



systems with a long-term mean concentration greater than each contaminant's MCL concentration was calculated. The results from these Stage 2 analyses generated using the zero substitution value are presented below in Exhibit 7-1. The results based on the system means generated using the zero substitution value are equivalent to how states are authorized to calculate system means for compliance determinations. The analogous Stage 2 analytical results using the one-half and full MRL values are presented in Appendix B.

## 7.1 Summary of Occurrence Estimations

The Stage 2 analyses estimates are presented in Exhibit 7-1. For comparison, the Stage 1 results relative to the MCL concentration are also included. The estimates reflect the percentage of systems, and population served by systems, with an estimated system contaminant mean exceeding the respective MCL concentration for each contaminant. Note that these occurrence measures relative to the MCL concentration are based on the system mean concentration over the eight-year period of data in the second Six-Year Review-ICR dataset. Note: This does not necessarily indicate an MCL violation. This differs from compliance assessments that calculate a system mean concentration over four consecutive quarters. An MCL violation occurs when the MCL is exceeded by the average results from four quarterly confirmation samples.

The Stage 2 occurrence estimates indicate a low portion of systems and population served by systems with long-term contaminant means greater than the MCL concentrations. The five contaminants exhibiting the highest Stage 2 occurrence estimates for the percent of systems with long-term contaminant means greater than MCL concentration are 1,2-dibromo-3-chloropropane (0.112%), trichloroethylene (0.050%), tetrachloroethylene (0.046%), dichloromethane (0.026%), and benzene (0.020%). The percent of population served by systems with long-term contaminant means greater than MCL concentration, the five highest contaminants are tetrachloroethylene (0.277%), trichloroethylene (0.181%), toxaphene (0.014%), 1,2-dibromo-3-chloropropane (0.013%), and benzene (0.006%).

Please see Appendix B for additional measures of contaminant occurrence based on the Stage 2 analyses, including presentations of the numbers of systems and population served to supplement the percent values presented in Exhibit 7-1. The appendix summary tables present findings separately for ground water vs. surface water and present occurrence measures that identify the total number of systems and total population served by systems with estimated system contaminant means greater than the MCL concentration as well as many other thresholds.

### Exhibit 7-1. Comparison of Stage 1 and Stage 2 Analytical Results - Percent of Systems and Population Served by Systems Greater than the MCL Concentration

Contaminant (MCL Concentration)	Percent of Systems > MCL Concentration		Percent of Population Served by Systems > MCL Concentration	
	Stage 1 <sup>1</sup> (one detect > MCL Concentration)	Stage 2 <sup>2</sup> (mean > MCL Concentration)	Stage 1 <sup>1</sup> (one detect > MCL Concentration)	Stage 2 <sup>2</sup> (mean > MCL Concentration)
<b>Synthetic Organic Chemicals</b>				
Carbofuran (40 µg/L)	0.000%	0.000%	0.000%	0.000%

Contaminant (MCL Concentration)	Percent of Systems > MCL Concentration		Percent of Population Served by Systems > MCL Concentration	
	Stage 1 <sup>1</sup> (one detect > MCL Concentration)	Stage 2 <sup>2</sup> (mean > MCL Concentration)	Stage 1 <sup>1</sup> (one detect > MCL Concentration)	Stage 2 <sup>2</sup> (mean > MCL Concentration)
Chlordane (2 µg/L)	0.013%	0.003%	0.000%	0.00004%
1,2-Dibromo-3-chloropropane (DBCP)	0.388%	0.112%	1.627%	0.013%
2,4-Dichlorophenoxyacetic acid (2,4-D)	0.003%	0.000%	0.007%	0.000%
Endothall (100 µg/L)	0.021%	0.000%	0.063%	0.000%
Heptachlor (0.4 µg/L)	0.006%	0.003%	0.003%	0.0002%
Heptachlor Epoxide (0.2 µg/L)	0.018%	0.003%	0.010%	0.0002%
Hexachlorobenzene (1 µg/L)	0.012%	0.009%	0.003%	0.001%
Hexachlorocyclopentadiene (50 µg/L)	0.000%	0.000%	0.000%	0.000%
Oxamyl (Vydate) (200 µg/L)	0.003%	0.000%	0.000%	0.000%
Toxaphene (3 µg/L)	0.016%	0.010%	0.017%	0.014%
<b>Volatile Organic Chemicals</b>				
Benzene (5 µg/L)	0.125%	0.020%	0.215%	0.006%
Carbon Tetrachloride (5 µg/L)	0.113%	0.010%	2.189%	0.001%
1,2-Dichloroethane (5 µg/L)	0.071%	0.006%	0.193%	0.0001%
Dichloromethane (Methylene Chloride)	0.293%	0.026%	1.298%	0.005%
1,2-Dichloropropane (5 µg/L)	0.020%	0.000%	0.155%	0.000%
Tetrachloroethylene (PCE) (5 µg/L)	0.478%	0.046%	6.448%	0.277%
Toluene (1,000 µg/L)	0.002%	0.002%	0.000%	0.000%
1,1,2-Trichloroethane (5 µg/L)	0.014%	0.000%	0.056%	0.000%
Trichloroethylene (TCE) (5 µg/L)	0.387%	0.050%	5.264%	0.181%
Vinyl Chloride (2 µg/L)	0.081%	0.016%	0.213%	0.003%
Xylenes (Total) (10,000 µg/L)	0.000%	0.000%	0.000%	0.000%

1. The Stage 1 results represent the percent of systems with at least one sample analytical result greater than a contaminant's MCL concentration.

2. The Stage 2 results represent the percent of systems with an estimated long-term mean concentration greater than a contaminant's MCL concentration. The Stage 2 results presented here are based on long-term means generated by substituting zero for each non-detection record. For the Stage 2 results based on substituting the value of the full MRL or ½ MRL (instead of zero), please refer to Appendix B.

## 8 Summary of Findings

The Six-Year Review-ICR Dataset contains more than 15 million analytical records from approximately 132,000 public water systems with data from 1998 to 2005 submitted by 45 states and 2 primacy agencies. This dataset is the largest and most comprehensive compliance monitoring dataset ever compiled and analyzed by EPA's Drinking Water Program. Using the Six-Year Review-ICR Dataset, estimates of national occurrence in public drinking water systems were made for 65 regulated chemical contaminants and 4 regulated radionuclide contaminants with the Stage 1 analytical approach. Additional national occurrence estimates were made for 22 of the 65 regulated chemical contaminants with the Stage 2 analytical approach.

Based on the Stage 1 analysis of national population served by systems with at least one sample analytical detection greater than each contaminant's MCL concentration, the IOCs had occurrence as high as 7.310% (nitrate) and as low as 0.092% (barium).

The highest occurring SOC was di(2-ethylhexyl)phthalate with 6.397% of the population served by systems reporting at least one sample analytical detection greater its MCL concentration. 1,2-Dibromo-3-chloropropane, atrazine, and ethylene dibromide also had high percentages (more than 1%) of population served by systems with detections greater than their respective MCL concentrations. On the low end of occurrence, seven SOCs –carbofuran, diquat, glyphosate, hexachlorocyclopentadiene, methoxychlor, picloram and silvex– were not detected above their respective MCL concentrations in any system nationally.

The highest occurring VOC was tetrachloroethylene with 6.448% of the population served by systems reporting at least one sample analytical detection greater than its MCL concentration. Trichloroethylene, 1,1-dichloroethylene, and carbon tetrachloride also had high percentages (more than 2%) of population served by systems with detections greater than their respective MCL concentrations. Six VOCs –1,2-dichlorobenzene, trans-1,2-dichloroethylene, ethylbenzene, monochlorobenzene, 1,2,4-trichlorobenzene and total xylenes– were not detected above their respective MCL concentrations in any systems nationally.

Based on the estimated percent of total population served by PWSs reporting at least one detection greater than each contaminant's MCL concentration (in the case of beta particles, screening level), the occurrence findings of the radionuclides is as follows: uranium (11.884%); combined radium-226/-228 (9.620% pre-December 2003 and 9.201% post-December 2003); alpha particles (6.208%), and; beta particles (1.228%).

Eleven SOCs and eleven VOCs were additionally assessed using the Stage 2 analytical approach. Based on the population served by systems nationally with an estimated long-term mean contaminant concentration greater than the respective MCL concentration, the SOCs had occurrence as high as 0.014% (toxaphene) and as low as 0.000% (carbofuran, 2,4-dichlorophenoxyacetic acid, endothall, hexachlorocyclopentadiene, and oxamyl). The two highest occurring VOCs were tetrachloroethylene with 0.277% of the population served by systems with a long-term mean greater than its MCL concentration, and trichloroethylene with 0.181% of the population served by systems with a long-term mean greater than its MCL concentration. For three of the VOCs evaluated using the Stage 2 analysis –1,2-dichloropropane,

1,1,2-trichloroethane, and total xylenes— no public water system nationally had an estimated long-term mean greater than each contaminant’s respective MCL concentration.

## 9 References

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# **APPENDICES**

The Analysis of Regulated Contaminant Occurrence Data from Public Water Systems in Support of the Second Six-Year Review of National Primary Drinking Water Regulations

**Appendix A. Stage 1 Analysis Occurrence Measures for All Regulated Contaminants**

**Appendix B. Stage 2 Analysis Occurrence Measures for Select Regulated Contaminants**

## **Appendix A. Stage 1 Analysis Occurrence Measures for All Regulated Contaminants**

Table A1.	Alachlor – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
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Table A4b.	Arsenic – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
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- Table A16d. Chromium (total) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A17. Cyanide – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
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- Table A17b. Cyanide – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
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- Table A19. Di(2-ethylhexyl)adipate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A19a. Di(2-ethylhexyl)adipate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A19b. Di(2-ethylhexyl)adipate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table 19c. Di(2-ethylhexyl)adipate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A19d. Di(2-ethylhexyl)adipate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A20. Di(2-ethylhexyl)phthalate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A20a. Di(2-ethylhexyl)phthalate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A20b. Di(2-ethylhexyl)phthalate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A20c. Di(2-ethylhexyl)phthalate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A20d. Di(2-ethylhexyl)phthalate – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A21. 1,2-Dibromo-3-chloropropane (DBCP) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)



























- Table A68c. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A68d. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A68e. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A69. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A69a. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A69b. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A69c. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A69d. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)
- Table A69e. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)



## **Appendix B. Stage 2 Analysis Occurrence Measures for Select Regulated Contaminants**

Table B1.	Benzene – Summary of the Stage 2 Analyses
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Table B3.	Carbon Tetrachloride – Summary of the Stage 2 Analyses
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Table B14.	Hexachlorocyclopentadiene – Summary of the Stage 2 Analyses
Table B15.	Oxamyl (Vydate) – Summary of the Stage 2 Analyses
Table B16.	Tetrachloroethylene (PCE) – Summary of the Stage 2 Analyses
Table B17.	Toluene – Summary of the Stage 2 Analyses
Table B18.	Toxaphene – Summary of the Stage 2 Analyses
Table B19.	1,1,2-Trichloroethane – Summary of the Stage 2 Analyses
Table B20.	Trichloroethylene (TCE) – Summary of the Stage 2 Analyses
Table B21.	Vinyl Chloride – Summary of the Stage 2 Analyses
Table B22.	Xylenes (Total) – Summary of the Stage 2 Analyses

Table A1. Alachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.002 mg/L	44,863	64	0.143%	85,514,854	617,666	0.722%
	≥ 0.001 mg/L	44,863	223	0.497%	85,514,854	2,282,255	2.669%
Surface Water	> 0.002 mg/L	3,996	18	0.450%	144,338,525	1,973,654	1.367%
	≥ 0.001 mg/L	3,996	51	1.276%	144,338,525	10,552,870	7.311%
Combined Ground & Surface Water	> 0.002 mg/L	48,859	82	0.168%	229,853,379	2,591,320	1.127%
	≥ 0.001 mg/L	48,859	274	0.561%	229,853,379	12,835,125	5.584%









Table A2. Alpha Particles – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 15 pCi/L	16,467	832	5.053%	40,744,045	2,891,759	7.097%
	≥ 7.5 pCi/L	16,467	2,511	15.249%	40,744,045	8,323,500	20.429%
Surface Water	> 15 pCi/L	2,186	22	1.006%	80,426,355	4,631,051	5.758%
	≥ 7.5 pCi/L	2,186	85	3.888%	80,426,355	10,037,894	12.481%
Combined Ground & Surface Water	> 15 pCi/L	18,653	854	4.578%	121,170,400	7,522,810	6.208%
	≥ 7.5 pCi/L	18,653	2,596	13.917%	121,170,400	18,361,394	15.153%





Table A2b. Alpha Particles – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	264	193	71	479,135	165,352	313,783	39.394%	46.114%	21.127%	11.821%	27.168%	3.733%
AL	321	251	70	4,687,044	1,453,506	3,233,538	87.539%	86.454%	91.429%	92.626%	92.678%	92.603%
AR												
AZ	711	673	38	5,860,832	2,506,861	3,353,971	99.156%	99.108%	100.000%	99.986%	99.968%	100.000%
CA												
CO	397	301	96	3,880,820	312,339	3,568,481	73.804%	77.076%	63.542%	51.283%	91.187%	47.791%
CT	471	438	33	2,392,156	230,267	2,161,889	71.762%	72.831%	57.576%	61.589%	79.964%	59.632%
DE												
FL	207	191	16	7,941,994	5,906,110	2,035,884	84.541%	85.340%	75.000%	84.347%	87.451%	75.341%
GA												
HI												
IA	20	20	0	29,225	29,225	0	95.000%	95.000%		97.047%	97.047%	
ID	440	411	29	841,950	617,866	224,084	86.591%	87.348%	75.862%	97.645%	97.977%	96.729%
IL												
IN	33	33	0	98,260	98,260	0	78.788%	78.788%		76.183%	76.183%	
KY	207	67	140	4,588,246	366,366	4,221,880	96.618%	98.507%	95.714%	90.946%	99.990%	90.161%
MA												
MD	516	459	57	4,891,562	898,778	3,992,784	75.388%	75.163%	77.193%	96.762%	92.584%	97.702%
ME	370	323	47	612,751	212,054	400,697	99.459%	99.381%	100.000%	99.935%	99.811%	100.000%
MI	1,203	1,146	57	6,713,368	1,723,511	4,989,857	49.377%	50.436%	28.070%	69.591%	56.999%	73.940%
MN	922	899	23	4,068,067	2,822,206	1,245,861	81.236%	82.870%	17.391%	74.689%	89.221%	41.770%
MO	287	264	23	644,443	401,616	242,827	75.610%	81.061%	13.043%	60.727%	81.931%	25.658%
MT	631	574	57	708,638	316,159	392,479	62.124%	63.240%	50.877%	53.262%	73.404%	37.037%
NC	1,826	1,694	132	6,843,768	1,583,217	5,260,551	72.070%	73.908%	48.485%	58.694%	71.066%	54.970%
ND	7	5	2	17,046	12,881	4,165	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
NE	96	95	1	204,396	179,337	25,059	82.292%	82.105%	100.000%	83.067%	80.701%	100.000%
NH												
NJ	405	372	33	7,277,246	2,250,288	5,026,958	98.272%	98.925%	90.909%	83.353%	95.346%	77.985%
NM	566	533	33	1,613,612	1,348,169	265,443	97.880%	97.749%	100.000%	99.918%	99.902%	100.000%
NV	103	96	7	798,524	149,909	648,615	77.670%	77.083%	85.714%	97.266%	90.972%	98.720%
NY	191	152	39	530,912	70,933	459,979	78.010%	78.947%	74.359%	35.338%	72.079%	29.672%
OH	1,035	915	120	9,786,781	2,902,824	6,883,957	20.580%	21.093%	16.667%	14.547%	16.022%	13.925%
OK												
OR	575	452	123	2,505,059	408,312	2,096,747	13.217%	14.159%	9.756%	12.623%	19.033%	11.375%
RI	64	56	8	885,894	146,456	739,438	93.750%	94.643%	87.500%	98.668%	97.478%	98.903%
SC	452	405	47	3,021,859	525,705	2,496,154	65.044%	66.420%	53.191%	69.265%	83.408%	66.286%
SD	251	230	21	639,064	279,893	359,171	84.064%	85.217%	71.429%	86.924%	85.717%	87.864%
TN	344	157	187	5,678,451	1,460,345	4,218,106	95.349%	97.452%	93.583%	95.964%	99.217%	94.837%
TX	3,989	3,662	327	24,786,365	9,009,970	15,776,395	57.458%	59.776%	31.498%	51.756%	71.833%	40.290%
UT	416	369	47	2,512,399	1,655,292	857,107	80.769%	83.740%	57.447%	92.487%	94.516%	88.567%
VA	395	320	75	3,339,718	158,335	3,181,383	86.582%	86.563%	86.667%	93.945%	92.600%	94.012%
VT	364	322	42	452,258	186,370	265,888	78.022%	79.503%	66.667%	66.265%	73.777%	60.999%
WI												
WV	351	203	148	1,408,492	238,737	1,169,755	88.319%	90.148%	85.811%	91.622%	82.050%	93.576%
WY	223	186	37	430,065	116,596	313,469	62.332%	63.978%	54.054%	63.270%	71.519%	60.201%
Total	18,653	16,467	2,186	121,170,400	40,744,045	80,426,355	68.080%	69.242%	59.332%	68.542%	78.754%	63.369%

Table A2c. Alpha Particles – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 15 pCi/L			Percent of Systems with At Least One Detection > 15 pCi/L			Population Served by Systems with At Least One Detection > 15 pCi/L			Percent of Population Served with At Least One Detection > 15 pCi/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	6	6	0	1.869%	2.390%	0.000%	68,784	68,784	0	1.468%	4.732%	0.000%
AR												
AZ	3	3	0	0.422%	0.446%	0.000%	5,284	5,284	0	0.090%	0.211%	0.000%
CA												
CO	28	25	3	7.053%	8.306%	3.125%	162,838	51,638	111,200	4.196%	16.533%	3.116%
CT	14	14	0	2.972%	3.196%	0.000%	2,545	2,545	0	0.106%	1.105%	0.000%
DE												
FL	6	6	0	2.899%	3.141%	0.000%	12,361	12,361	0	0.156%	0.209%	0.000%
GA												
HI												
IA	12	12	0	60.000%	60.000%		24,241	24,241	0	82.946%	82.946%	
ID	39	38	1	8.864%	9.246%	3.448%	346,720	160,720	186,000	41.181%	26.012%	83.005%
IL												
IN	0	0	0	0.000%	0.000%		0	0	0	0.000%	0.000%	
KY	1	0	1	0.483%	0.000%	0.714%	1,040	0	1,040	0.023%	0.000%	0.025%
MA												
MD	15	14	1	2.907%	3.050%	1.754%	322,589	317,489	5,100	6.595%	35.325%	0.128%
ME	28	27	1	7.568%	8.359%	2.128%	5,253	4,650	603	0.857%	2.193%	0.150%
MI	7	7	0	0.582%	0.611%	0.000%	10,017	10,017	0	0.149%	0.581%	0.000%
MN	77	77	0	8.351%	8.565%	0.000%	550,631	550,631	0	13.535%	19.511%	0.000%
MO	28	28	0	9.756%	10.606%	0.000%	67,083	67,083	0	10.409%	16.703%	0.000%
MT	3	3	0	0.475%	0.523%	0.000%	2,689	2,689	0	0.379%	0.851%	0.000%
NC	86	86	0	4.710%	5.077%	0.000%	49,231	49,231	0	0.719%	3.110%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	21	21	0	21.875%	22.105%	0.000%	57,320	57,320	0	28.044%	31.962%	0.000%
NH												
NJ	63	58	5	15.556%	15.591%	15.152%	1,848,268	520,598	1,327,670	25.398%	23.135%	26.411%
NM	84	83	1	14.841%	15.572%	3.030%	242,067	169,366	72,701	15.002%	12.563%	27.389%
NV	5	5	0	4.854%	5.208%	0.000%	1,409	1,409	0	0.176%	0.940%	0.000%
NY	2	2	0	1.047%	1.316%	0.000%	500	500	0	0.094%	0.705%	0.000%
OH	1	1	0	0.097%	0.109%	0.000%	460	460	0	0.005%	0.016%	0.000%
OK												
OR	1	1	0	0.174%	0.221%	0.000%	28	28	0	0.001%	0.007%	0.000%
RI	5	5	0	7.813%	8.929%	0.000%	2,292	2,292	0	0.259%	1.565%	0.000%
SC	26	24	2	5.752%	5.926%	4.255%	56,493	23,551	32,942	1.869%	4.480%	1.320%
SD	5	5	0	1.992%	2.174%	0.000%	1,153	1,153	0	0.180%	0.412%	0.000%
TN	2	2	0	0.581%	1.274%	0.000%	1,387	1,387	0	0.024%	0.095%	0.000%
TX	236	231	5	5.916%	6.308%	1.529%	3,412,280	548,335	2,863,945	13.767%	6.086%	18.153%
UT	19	18	1	4.567%	4.878%	2.128%	250,066	227,066	23,000	9.953%	13.718%	2.683%
VA	7	7	0	1.772%	2.188%	0.000%	5,601	5,601	0	0.168%	3.537%	0.000%
VT	14	14	0	3.846%	4.348%	0.000%	2,528	2,528	0	0.559%	1.356%	0.000%
WI												
WV	1	1	0	0.285%	0.493%	0.000%	25	25	0	0.002%	0.010%	0.000%
WY	9	8	1	4.036%	4.301%	2.703%	9,627	2,777	6,850	2.238%	2.382%	2.185%
Total	854	832	22	4.578%	5.053%	1.006%	7,522,810	2,891,759	4,631,051	6.208%	7.097%	5.758%

Table A2d. Alpha Particles – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 7.5 pCi/L			Percent of Systems with At Least One Detection ≥ 7.5 pCi/L			Population Served by Systems with At Least One Detection ≥ 7.5 pCi/L			Percent of Population Served with At Least One Detection ≥ 7.5 pCi/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3	3	0	1.136%	1.554%	0.000%	580	580	0	0.121%	0.351%	0.000%
AL	15	14	1	4.673%	5.578%	1.429%	161,148	138,425	22,723	3.438%	9.524%	0.703%
AR												
AZ	161	153	8	22.644%	22.734%	21.053%	3,146,257	730,282	2,415,975	53.683%	29.131%	72.033%
CA												
CO	67	59	8	16.877%	19.601%	8.333%	356,466	118,756	237,710	9.185%	38.022%	6.661%
CT	64	63	1	13.588%	14.384%	3.030%	23,602	11,371	12,231	0.987%	4.938%	0.566%
DE												
FL	24	24	0	11.594%	12.565%	0.000%	108,916	108,916	0	1.371%	1.844%	0.000%
GA												
HI												
IA	18	18	0	90.000%	90.000%	0.000%	27,778	27,778	0	95.049%	95.049%	0.000%
ID	78	76	2	17.727%	18.491%	6.897%	472,365	272,313	200,052	56.104%	44.073%	89.275%
IL												
IN	1	1	0	3.030%	3.030%	0.000%	378	378	0	0.385%	0.385%	0.000%
KY	9	6	3	4.348%	8.955%	2.143%	82,598	12,999	69,599	1.800%	3.548%	1.649%
MA												
MD	51	48	3	9.884%	10.458%	5.263%	401,985	393,864	8,121	8.218%	43.822%	0.203%
ME	50	48	2	13.514%	14.861%	4.255%	17,242	15,576	1,666	2.814%	7.345%	0.416%
MI	49	48	1	4.073%	4.188%	1.754%	57,231	47,358	9,873	0.852%	2.748%	0.198%
MN	230	230	0	24.946%	25.584%	0.000%	1,323,952	1,323,952	0	32.545%	46.912%	0.000%
MO	51	51	0	17.770%	19.318%	0.000%	96,303	96,303	0	14.944%	23.979%	0.000%
MT	54	51	3	8.558%	8.885%	5.263%	29,275	25,030	4,245	4.131%	7.917%	1.082%
NC	169	169	0	9.255%	9.976%	0.000%	100,325	100,325	0	1.466%	6.337%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	44	43	1	45.833%	45.263%	100.000%	117,873	92,814	25,059	57.669%	51.754%	100.000%
NH												
NJ	111	104	7	27.407%	27.957%	21.212%	2,576,578	967,842	1,608,736	35.406%	43.010%	32.002%
NM	181	178	3	31.979%	33.396%	9.091%	972,017	887,256	84,761	60.239%	65.812%	31.932%
NV	6	6	0	5.825%	6.250%	0.000%	2,649	2,649	0	0.332%	1.767%	0.000%
NY	8	8	0	4.188%	5.263%	0.000%	1,266	1,266	0	0.238%	1.785%	0.000%
OH	22	22	0	2.126%	2.404%	0.000%	25,084	25,084	0	0.256%	0.864%	0.000%
OK												
OR	3	2	1	0.522%	0.442%	0.813%	11,238	98	11,140	0.449%	0.024%	0.531%
RI	12	12	0	18.750%	21.429%	0.000%	6,756	6,756	0	0.763%	4.613%	0.000%
SC	61	58	3	13.496%	14.321%	6.383%	122,375	48,883	73,492	4.050%	9.299%	2.944%
SD	36	34	2	14.343%	14.783%	9.524%	220,006	27,897	192,109	34.426%	9.967%	53.487%
TN	4	4	0	1.163%	2.548%	0.000%	9,985	9,985	0	0.176%	0.684%	0.000%
TX	819	797	22	20.531%	21.764%	6.728%	6,468,010	2,165,740	4,302,270	26.095%	24.037%	27.270%
UT	92	82	10	22.115%	22.222%	21.277%	1,300,123	624,172	675,951	51.748%	37.708%	78.864%
VA	24	24	0	6.076%	7.500%	0.000%	17,665	17,665	0	0.529%	11.157%	0.000%
VT	42	41	1	11.538%	12.733%	2.381%	15,372	12,412	2,960	3.399%	6.660%	1.113%
WI												
WV	11	11	0	3.134%	5.419%	0.000%	1,113	1,113	0	0.079%	0.466%	0.000%
WY	26	23	3	11.659%	12.366%	8.108%	86,883	7,662	79,221	20.202%	6.571%	25.272%
Total	2,596	2,511	85	13.917%	15.249%	3.888%	18,361,394	8,323,500	10,037,894	15.153%	20.429%	12.481%

Table A3. Antimony – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.006 mg/L	44,971	97	0.216%	85,727,750	251,693	0.294%
	≥ 0.003 mg/L	44,971	512	1.139%	85,727,750	1,812,718	2.115%
Surface Water	> 0.006 mg/L	4,045	33	0.816%	137,523,912	3,108,813	2.261%
	≥ 0.003 mg/L	4,045	117	2.892%	137,523,912	10,308,814	7.496%
Combined Ground & Surface Water	> 0.006 mg/L	49,016	130	0.265%	223,251,662	3,360,506	1.505%
	≥ 0.003 mg/L	49,016	629	1.283%	223,251,662	12,121,532	5.430%





Table A3c. Antimony – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.006 mg/L			Percent of Systems with At Least One Detection > 0.006 mg/L			Population Served by Systems with At Least One Detection > 0.006 mg/L			Percent of Population Served with At Least One Detection > 0.006 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	3	1	2	0.852%	0.358%	2.740%	56,892	600	56,292	1.210%	0.041%	1.738%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.095%	0.100%	0.000%	19,760	19,760	0	0.321%	0.709%	0.000%
CA	45	30	15	1.178%	0.911%	2.857%	1,089,681	140,298	949,383	3.007%	1.038%	4.179%
CO	3	3	0	0.358%	0.487%	0.000%	1,723	1,723	0	0.034%	0.324%	0.000%
CT	1	0	1	0.085%	0.000%	2.564%	58,691	0	58,691	2.161%	0.000%	2.515%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.081%	0.088%	0.000%	15,933	15,933	0	0.175%	0.553%	0.000%
IN	2	2	0	0.123%	0.127%	0.000%	425	425	0	0.009%	0.016%	0.000%
KY	3	1	2	1.240%	1.075%	1.342%	61,163	6,161	55,002	1.329%	1.641%	1.301%
MA	3	1	2	0.444%	0.179%	1.695%	110,521	7,000	103,521	1.296%	0.407%	1.521%
MD	4	3	1	0.386%	0.310%	1.471%	1,711,370	1,370	1,710,000	34.075%	0.134%	42.770%
ME	7	6	1	0.873%	0.802%	1.852%	2,571	771	1,800	0.354%	0.264%	0.413%
MI	1	1	0	0.033%	0.034%	0.000%	50	50	0	0.001%	0.003%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	2	2	0	0.236%	0.253%	0.000%	1,090	1,090	0	0.144%	0.298%	0.000%
NC	6	4	2	0.263%	0.186%	1.439%	27,114	3,230	23,884	0.389%	0.189%	0.454%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	1	1	0	0.135%	0.137%	0.000%	1,640	1,640	0	0.113%	0.243%	0.000%
NH	4	4	0	0.329%	0.340%	0.000%	6,224	6,224	0	0.660%	1.585%	0.000%
NJ	6	6	0	0.437%	0.449%	0.000%	1,425	1,425	0	0.018%	0.052%	0.000%
NM	3	3	0	0.414%	0.438%	0.000%	15,846	15,846	0	0.950%	1.131%	0.000%
NV	6	6	0	1.791%	1.911%	0.000%	6,599	6,599	0	0.678%	2.328%	0.000%
NY	7	4	3	0.452%	0.305%	1.271%	130,032	1,315	128,717	2.965%	0.108%	4.057%
OH	1	1	0	0.052%	0.055%	0.000%	255	255	0	0.002%	0.008%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	3	3	0	0.365%	0.396%	0.000%	758	758	0	0.022%	0.094%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	1	0	0.285%	0.617%	0.000%	12,703	12,703	0	0.223%	0.869%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	11	7	4	2.170%	1.532%	8.000%	27,423	5,900	21,523	1.078%	0.350%	2.510%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	2	2	0	0.333%	0.358%	0.000%	70	70	0	0.014%	0.031%	0.000%
WI	3	3	0	0.165%	0.166%	0.000%	547	547	0	0.014%	0.023%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	130	97	33	0.265%	0.216%	0.816%	3,360,506	251,693	3,108,813	1.505%	0.294%	2.261%

Table A3d. Antimony – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 0.003 mg/L			Percent of Systems with At Least One Detection ≥ 0.003 mg/L			Population Served by Systems with At Least One Detection ≥ 0.003 mg/L			Percent of Population Served with At Least One Detection ≥ 0.003 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	8	7	1	1.314%	1.499%	0.704%	2,610	2,260	350	0.440%	0.979%	0.097%
AL	6	2	4	1.705%	0.717%	5.479%	130,152	12,559	117,593	2.769%	0.858%	3.632%
AR	3	2	1	0.662%	0.525%	1.389%	72,873	1,712	71,161	2.971%	0.188%	4.612%
AZ	30	28	2	2.852%	2.789%	4.167%	330,593	150,343	180,250	5.367%	5.391%	5.348%
CA	63	45	18	1.650%	1.366%	3.429%	1,682,895	285,175	1,397,720	4.645%	2.110%	6.153%
CO	23	14	9	2.748%	2.273%	4.072%	181,666	27,520	154,146	3.636%	5.180%	3.452%
CT	17	15	2	1.453%	1.326%	5.128%	68,787	6,964	61,823	2.532%	1.822%	2.649%
DE	2	2	0	0.712%	0.719%	0.000%	5,120	5,120	0	0.753%	1.285%	0.000%
FL	30	29	1	2.252%	2.221%	3.846%	323,928	222,045	101,883	1.878%	1.480%	4.536%
GA	1	1	0	0.063%	0.068%	0.000%	46	46	0	0.001%	0.003%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	12	10	2	1.299%	1.143%	4.082%	43,912	43,572	340	4.072%	5.227%	0.139%
IL	9	9	0	0.725%	0.789%	0.000%	27,626	27,626	0	0.304%	0.959%	0.000%
IN	18	17	1	1.110%	1.081%	2.041%	30,392	19,322	11,070	0.611%	0.738%	0.469%
KY	31	12	19	12.810%	12.903%	12.752%	327,962	26,330	301,632	7.126%	7.013%	7.136%
MA	20	13	7	2.959%	2.330%	5.932%	3,886,128	57,204	3,828,924	45.582%	3.329%	56.246%
MD	20	17	3	1.929%	1.754%	4.412%	1,834,740	14,983	1,819,757	36.531%	1.463%	45.515%
ME	18	16	2	2.244%	2.139%	3.704%	4,950	2,087	2,863	0.681%	0.716%	0.657%
MI	15	15	0	0.495%	0.504%	0.000%	5,076	5,076	0	0.076%	0.264%	0.000%
MN	3	3	0	0.188%	0.192%	0.000%	12,007	12,007	0	0.282%	0.398%	0.000%
MO	3	3	0	0.211%	0.223%	0.000%	941	941	0	0.031%	0.056%	0.000%
MT	8	7	1	0.942%	0.887%	1.667%	41,212	10,057	31,155	5.437%	2.753%	7.934%
NC	69	55	14	3.021%	2.564%	10.072%	213,352	76,540	136,812	3.059%	4.480%	2.598%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	3	3	0	0.404%	0.410%	0.000%	27,327	27,327	0	1.884%	4.056%	0.000%
NH	13	13	0	1.069%	1.106%	0.000%	7,859	7,859	0	0.834%	2.001%	0.000%
NJ	18	16	2	1.310%	1.197%	5.405%	1,104,325	29,253	1,075,072	14.227%	1.073%	21.348%
NM	6	5	1	0.829%	0.730%	2.564%	92,536	19,835	72,701	5.550%	1.416%	27.275%
NV	13	12	1	3.881%	3.822%	4.762%	24,859	16,559	8,300	2.554%	5.842%	1.203%
NY	23	18	5	1.486%	1.372%	2.119%	165,959	36,652	129,307	3.785%	3.023%	4.076%
OH	19	16	3	0.985%	0.887%	2.400%	95,509	5,289	90,220	0.934%	0.169%	1.272%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	2	2	0	0.274%	0.328%	0.000%	402	402	0	0.015%	0.083%	0.000%
RI	3	2	1	2.113%	1.504%	11.111%	54,570	3,820	50,750	5.974%	2.203%	6.858%
SC	8	8	0	0.972%	1.055%	0.000%	41,627	41,627	0	1.200%	5.140%	0.000%
SD	2	2	0	0.855%	0.897%	0.000%	746	746	0	0.220%	0.302%	0.000%
TN	5	1	4	1.425%	0.617%	2.116%	473,680	12,703	460,977	8.332%	0.869%	10.916%
TX	3	2	1	0.061%	0.044%	0.293%	15,527	10,077	5,450	0.062%	0.109%	0.035%
UT	41	33	8	8.087%	7.221%	16.000%	615,153	433,108	182,045	24.184%	25.688%	21.226%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	6	6	0	0.998%	1.075%	0.000%	880	880	0	0.179%	0.388%	0.000%
WI	34	34	0	1.865%	1.886%	0.000%	154,129	154,129	0	3.811%	6.551%	0.000%
WV	20	16	4	4.425%	5.498%	2.484%	19,416	2,903	16,513	1.370%	1.229%	1.398%
WY	1	1	0	0.329%	0.392%	0.000%	60	60	0	0.013%	0.046%	0.000%
Total	629	512	117	1.283%	1.139%	2.892%	12,121,532	1,812,718	10,308,814	5.430%	2.115%	7.496%



Table A4. Arsenic – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.05 mg/L	45,387	346	0.762%	85,737,044	1,352,250	1.577%
	≥ 0.025 mg/L	45,387	1,216	2.679%	85,737,044	3,901,453	4.550%
	> 0.01 mg/L	45,387	3,364	7.412%	85,737,044	8,655,516	10.095%
	≥ 0.005 mg/L	45,387	7,859	17.316%	85,737,044	18,464,077	21.536%
Surface Water	> 0.05 mg/L	4,086	25	0.612%	144,656,184	1,503,598	1.039%
	≥ 0.025 mg/L	4,086	55	1.346%	144,656,184	7,158,650	4.949%
	> 0.01 mg/L	4,086	152	3.720%	144,656,184	15,741,605	10.882%
	≥ 0.005 mg/L	4,086	369	9.031%	144,656,184	28,990,530	20.041%
Combined Ground & Surface Water	> 0.05 mg/L	49,473	371	0.750%	230,393,228	2,855,848	1.240%
	≥ 0.025 mg/L	49,473	1,271	2.569%	230,393,228	11,060,103	4.801%
	> 0.01 mg/L	49,473	3,516	7.107%	230,393,228	24,397,121	10.589%
	≥ 0.005 mg/L	49,473	8,228	16.631%	230,393,228	47,454,607	20.597%





Table A4c. Arsenic – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.05 mg/L			Percent of Systems with At Least One Detection > 0.05 mg/L			Population Served by Systems with At Least One Detection > 0.05 mg/L			Percent of Population Served with At Least One Detection > 0.05 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	17	15	2	2.769%	3.205%	1.370%	9,939	9,718	221	1.645%	4.205%	0.059%
AL	1	1	0	0.284%	0.358%	0.000%	6,300	6,300	0	0.134%	0.431%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	43	41	2	4.068%	4.063%	4.167%	110,553	71,128	39,425	1.794%	2.547%	1.170%
CA	76	65	11	1.969%	1.948%	2.099%	1,406,938	504,206	902,732	3.881%	3.757%	3.954%
CO	3	3	0	0.361%	0.493%	0.000%	10,890	10,890	0	0.218%	2.053%	0.000%
CT	1	1	0	0.085%	0.088%	0.000%	85	85	0	0.003%	0.022%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.075%	0.076%	0.000%	30	30	0	0.000%	0.000%	0.000%
GA	1	1	0	0.063%	0.068%	0.000%	16,284	16,284	0	0.225%	1.206%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	7	7	0	0.671%	0.693%	0.000%	968	968	0	0.038%	0.068%	0.000%
ID	9	8	1	0.966%	0.915%	1.724%	2,144	1,619	525	0.196%	0.193%	0.205%
IL	9	9	0	0.717%	0.780%	0.000%	4,168	4,168	0	0.046%	0.144%	0.000%
IN	4	4	0	0.246%	0.254%	0.000%	2,229	2,229	0	0.045%	0.085%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	8	6	2	1.166%	1.056%	1.695%	37,002	11,010	25,992	0.434%	0.639%	0.382%
MD	3	3	0	0.291%	0.311%	0.000%	18,180	18,180	0	0.362%	1.778%	0.000%
ME	15	15	0	1.854%	1.987%	0.000%	31,493	31,493	0	4.325%	10.766%	0.000%
MI	47	47	0	1.487%	1.513%	0.000%	16,913	16,913	0	0.242%	0.852%	0.000%
MN	4	4	0	0.251%	0.256%	0.000%	331	331	0	0.008%	0.011%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	6	5	1	0.723%	0.649%	1.667%	5,975	903	5,072	0.792%	0.249%	1.292%
NC	1	1	0	0.044%	0.047%	0.000%	450	450	0	0.006%	0.026%	0.000%
ND	2	2	0	0.922%	1.053%	0.000%	2,528	2,528	0	0.449%	0.980%	0.000%
NE	1	1	0	0.136%	0.138%	0.000%	40	40	0	0.003%	0.006%	0.000%
NH	36	36	0	2.941%	3.043%	0.000%	11,059	11,059	0	1.172%	2.807%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	11	10	1	1.519%	1.460%	2.564%	524,745	524,512	233	31.470%	37.441%	0.087%
NV	27	25	2	7.988%	7.886%	9.524%	442,206	51,336	390,870	45.425%	18.102%	56.657%
NY	3	3	0	0.190%	0.224%	0.000%	1,170	1,170	0	0.010%	0.095%	0.000%
OH	8	7	1	0.415%	0.388%	0.800%	7,555	3,008	4,547	0.074%	0.096%	0.064%
OK	3	2	1	1.442%	1.136%	3.125%	152,225	26,794	125,431	19.744%	9.630%	25.454%
OR	3	3	0	0.271%	0.315%	0.000%	425	425	0	0.014%	0.074%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	2	2	0	0.336%	0.369%	0.000%	274	274	0	0.009%	0.048%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	10	10	0	0.204%	0.219%	0.000%	19,684	19,684	0	0.079%	0.212%	0.000%
UT	7	6	1	1.381%	1.313%	2.000%	12,445	3,895	8,550	0.489%	0.231%	0.997%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	1	1	0	0.166%	0.180%	0.000%	260	260	0	0.053%	0.115%	0.000%
WI	1	1	0	0.055%	0.055%	0.000%	360	360	0	0.009%	0.015%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	371	346	25	0.750%	0.762%	0.612%	2,855,848	1,352,250	1,503,598	1.240%	1.577%	1.039%

Table A4d. Arsenic – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.025$ mg/L			Percent of Systems with At Least One Detection $\geq 0.025$ mg/L			Population Served by Systems with At Least One Detection $\geq 0.025$ mg/L			Percent of Population Served with At Least One Detection $\geq 0.025$ mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	46	43	3	7.492%	9.188%	2.055%	33,908	24,487	9,421	5.612%	10.596%	2.525%
AL	1	1	0	0.284%	0.358%	0.000%	6,300	6,300	0	0.134%	0.431%	0.000%
AR	1	1	0	0.221%	0.262%	0.000%	37	37	0	0.002%	0.004%	0.000%
AZ	148	140	8	14.002%	13.875%	16.667%	1,426,798	613,024	813,774	23.150%	21.951%	24.143%
CA	221	200	21	5.725%	5.995%	4.008%	7,128,594	1,688,881	5,439,713	19.664%	12.584%	23.827%
CO	4	4	0	0.482%	0.657%	0.000%	11,167	11,167	0	0.224%	2.106%	0.000%
CT	6	6	0	0.513%	0.531%	0.000%	1,086	1,086	0	0.040%	0.284%	0.000%
DE	1	1	0	0.356%	0.360%	0.000%	1,591	1,591	0	0.234%	0.399%	0.000%
FL	1	1	0	0.075%	0.076%	0.000%	30	30	0	0.000%	0.000%	0.000%
GA	2	2	0	0.126%	0.135%	0.000%	16,315	16,315	0	0.225%	1.208%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	21	21	0	2.013%	2.079%	0.000%	8,412	8,412	0	0.331%	0.588%	0.000%
ID	41	39	2	4.399%	4.462%	3.448%	45,912	45,247	665	4.200%	5.407%	0.259%
IL	42	41	1	3.347%	3.553%	0.990%	145,069	46,046	99,023	1.596%	1.594%	1.597%
IN	30	30	0	1.847%	1.905%	0.000%	8,213	8,213	0	0.165%	0.313%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	18	15	3	2.624%	2.641%	2.542%	51,970	22,238	29,732	0.609%	1.291%	0.437%
MD	13	13	0	1.260%	1.349%	0.000%	25,707	25,707	0	0.512%	2.514%	0.000%
ME	48	47	1	5.933%	6.225%	1.852%	37,833	36,770	1,063	5.196%	12.570%	0.244%
MI	202	201	1	6.390%	6.469%	1.852%	172,188	162,913	9,275	2.466%	8.203%	0.186%
MN	48	48	0	3.013%	3.069%	0.000%	20,201	20,201	0	0.474%	0.670%	0.000%
MO	1	1	0	0.070%	0.074%	0.000%	1,212	1,212	0	0.040%	0.072%	0.000%
MT	16	14	2	1.928%	1.818%	3.333%	9,277	4,005	5,272	1.229%	1.107%	1.343%
NC	5	5	0	0.219%	0.233%	0.000%	7,419	7,419	0	0.106%	0.434%	0.000%
ND	14	14	0	6.452%	7.368%	0.000%	13,219	13,219	0	2.348%	5.127%	0.000%
NE	5	5	0	0.678%	0.688%	0.000%	3,866	3,866	0	0.266%	0.573%	0.000%
NH	86	85	1	7.026%	7.185%	2.439%	61,367	43,367	18,000	6.503%	11.009%	3.274%
NJ	3	3	0	0.218%	0.224%	0.000%	237	237	0	0.003%	0.009%	0.000%
NM	36	35	1	4.972%	5.109%	2.564%	606,085	605,852	233	36.348%	43.248%	0.087%
NV	64	61	3	18.935%	19.243%	14.286%	487,590	96,420	391,170	50.087%	34.000%	56.700%
NY	8	8	0	0.507%	0.597%	0.000%	3,493	3,493	0	0.031%	0.285%	0.000%
OH	25	24	1	1.296%	1.330%	0.800%	13,184	8,637	4,547	0.129%	0.276%	0.064%
OK	6	5	1	2.885%	2.841%	3.125%	198,878	73,447	125,431	25.795%	26.398%	25.454%
OR	17	17	0	1.538%	1.786%	0.000%	7,902	7,902	0	0.269%	1.372%	0.000%
RI	1	1	0	0.699%	0.746%	0.000%	95	95	0	0.010%	0.055%	0.000%
SC	2	2	0	0.336%	0.369%	0.000%	274	274	0	0.009%	0.048%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	3	1	2	0.855%	0.617%	1.058%	28,672	226	28,446	0.504%	0.015%	0.674%
TX	45	44	1	0.916%	0.963%	0.292%	176,847	78,702	98,145	0.705%	0.848%	0.622%
UT	21	19	2	4.142%	4.158%	4.000%	288,889	204,299	84,590	11.357%	12.117%	9.863%
VA	1	1	0	0.063%	0.071%	0.000%	140	140	0	0.003%	0.022%	0.000%
VT	4	4	0	0.666%	0.718%	0.000%	6,128	6,128	0	1.243%	2.700%	0.000%
WI	8	8	0	0.438%	0.443%	0.000%	998	998	0	0.025%	0.042%	0.000%
WV	1	1	0	0.215%	0.329%	0.000%	2,500	2,500	0	0.174%	0.985%	0.000%
WY	5	4	1	1.645%	1.569%	2.041%	500	350	150	0.112%	0.271%	0.047%
Total	1,271	1,216	55	2.569%	2.679%	1.346%	11,060,103	3,901,453	7,158,650	4.801%	4.550%	4.949%

Table A4e. Arsenic – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.01 mg/L			Percent of Systems with At Least One Detection > 0.01 mg/L			Population Served by Systems with At Least One Detection > 0.01 mg/L			Percent of Population Served with At Least One Detection > 0.01 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	107	99	8	17.427%	21.154%	5.479%	285,512	52,751	232,761	47.251%	22.827%	62.377%
AL	4	4	0	1.136%	1.434%	0.000%	48,842	48,842	0	1.039%	3.338%	0.000%
AR	3	3	0	0.662%	0.787%	0.000%	4,784	4,784	0	0.195%	0.526%	0.000%
AZ	336	321	15	31.788%	31.814%	31.250%	4,799,509	1,810,409	2,989,100	77.873%	64.828%	88.682%
CA	586	518	68	15.181%	15.528%	12.977%	13,280,982	3,272,066	10,008,916	36.636%	24.380%	43.841%
CO	16	11	5	1.928%	1.806%	2.262%	31,795	19,558	12,237	0.636%	3.688%	0.274%
CT	25	25	0	2.137%	2.210%	0.000%	4,339	4,339	0	0.160%	1.135%	0.000%
DE	4	4	0	1.423%	1.439%	0.000%	4,442	4,442	0	0.653%	1.115%	0.000%
FL	3	3	0	0.225%	0.229%	0.000%	880	880	0	0.005%	0.006%	0.000%
GA	3	3	0	0.188%	0.203%	0.000%	16,343	16,343	0	0.226%	1.210%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	42	42	0	4.027%	4.158%	0.000%	26,647	26,647	0	1.049%	1.861%	0.000%
ID	118	112	6	12.661%	12.815%	10.345%	399,686	193,554	206,132	36.564%	23.132%	80.407%
IL	72	71	1	5.737%	6.153%	0.990%	224,068	125,045	99,023	2.466%	4.330%	1.597%
IN	147	145	2	9.052%	9.206%	4.082%	151,633	77,736	73,897	3.045%	2.967%	3.131%
KY	3	1	2	1.240%	1.075%	1.342%	56,804	8,461	48,343	1.234%	2.254%	1.144%
MA	34	27	7	4.956%	4.754%	5.932%	136,331	47,745	88,586	1.598%	2.771%	1.301%
MD	47	47	0	4.554%	4.876%	0.000%	83,479	83,479	0	1.663%	8.164%	0.000%
ME	126	124	2	15.575%	16.424%	3.704%	73,901	71,600	2,301	10.149%	24.476%	0.528%
MI	570	568	2	18.032%	18.281%	3.704%	745,619	438,990	306,629	10.678%	22.105%	6.136%
MN	131	131	0	8.223%	8.376%	0.000%	248,365	248,365	0	5.823%	8.236%	0.000%
MO	8	8	0	0.563%	0.596%	0.000%	11,164	11,164	0	0.371%	0.660%	0.000%
MT	38	35	3	4.578%	4.545%	5.000%	20,653	8,857	11,796	2.737%	2.447%	3.004%
NC	13	13	0	0.569%	0.606%	0.000%	21,285	21,285	0	0.305%	1.246%	0.000%
ND	36	35	1	16.590%	18.421%	3.704%	33,565	29,049	4,516	5.961%	11.266%	1.480%
NE	74	73	1	10.027%	10.041%	9.091%	57,170	56,777	393	3.939%	8.412%	0.051%
NH	204	202	2	16.667%	17.075%	4.878%	116,064	87,064	29,000	12.299%	22.102%	5.275%
NJ	31	30	1	2.256%	2.244%	2.703%	753,876	77,622	676,254	9.712%	2.847%	13.429%
NM	89	87	2	12.293%	12.701%	5.128%	764,452	691,518	72,934	45.846%	49.363%	27.362%
NV	127	123	4	37.574%	38.801%	19.048%	546,637	155,217	391,420	56.153%	54.733%	56.736%
NY	24	22	2	1.520%	1.643%	0.833%	43,254	39,290	3,964	0.386%	3.205%	0.040%
OH	159	157	2	8.243%	8.703%	1.600%	118,852	112,305	6,547	1.163%	3.591%	0.092%
OK	13	11	2	6.250%	6.250%	6.250%	274,257	74,258	199,999	35.572%	26.689%	40.587%
OR	64	62	2	5.792%	6.513%	1.307%	73,597	58,294	15,303	2.502%	10.124%	0.647%
RI	1	1	0	0.699%	0.746%	0.000%	95	95	0	0.010%	0.055%	0.000%
SC	3	3	0	0.504%	0.554%	0.000%	766	766	0	0.024%	0.134%	0.000%
SD	11	11	0	5.820%	6.077%	0.000%	3,075	3,075	0	1.097%	1.494%	0.000%
TN	5	1	4	1.425%	0.617%	2.116%	75,771	226	75,545	1.333%	0.015%	1.789%
TX	82	81	1	1.669%	1.772%	0.292%	215,265	117,120	98,145	0.859%	1.261%	0.622%
UT	60	57	3	11.834%	12.473%	6.000%	521,996	437,286	84,710	20.522%	25.936%	9.877%
VA	12	12	0	0.759%	0.849%	0.000%	19,118	19,118	0	0.398%	3.013%	0.000%
VT	8	8	0	1.331%	1.436%	0.000%	7,204	7,204	0	1.461%	3.174%	0.000%
WI	60	60	0	3.286%	3.322%	0.000%	87,688	87,688	0	2.168%	3.727%	0.000%
WV	6	5	1	1.290%	1.645%	0.621%	3,603	3,502	101	0.251%	1.380%	0.009%
WY	11	8	3	3.618%	3.137%	6.122%	3,753	700	3,053	0.841%	0.542%	0.963%
Total	3,516	3,364	152	7.107%	7.412%	3.720%	24,397,121	8,655,516	15,741,605	10.589%	10.095%	10.882%

Table A4f. Arsenic – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 0.005 mg/L			Percent of Systems with At Least One Detection ≥ 0.005 mg/L			Population Served by Systems with At Least One Detection ≥ 0.005 mg/L			Percent of Population Served with At Least One Detection ≥ 0.005 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	169	158	11	27.524%	33.761%	7.534%	355,254	121,657	233,597	58.793%	52.645%	62.601%
AL	7	5	2	1.989%	1.792%	2.740%	118,793	51,242	67,551	2.527%	3.502%	2.086%
AR	10	9	1	2.208%	2.362%	1.389%	37,187	14,573	22,614	1.516%	1.602%	1.466%
AZ	638	613	25	60.360%	60.753%	52.083%	5,458,866	2,213,313	3,245,553	88.572%	79.256%	96.290%
CA	1,141	1,009	132	29.560%	30.246%	25.191%	21,011,998	6,737,394	14,274,604	57.962%	50.200%	62.525%
CO	62	49	13	7.470%	8.046%	5.882%	277,495	67,649	209,846	5.555%	12.756%	4.700%
CT	48	48	0	4.103%	4.244%	0.000%	15,831	15,831	0	0.583%	4.141%	0.000%
DE	13	12	1	4.626%	4.317%	33.333%	112,259	6,989	105,270	16.513%	1.754%	37.409%
FL	81	80	1	6.067%	6.112%	3.846%	688,227	655,228	32,999	3.961%	4.331%	1.469%
GA	23	23	0	1.444%	1.555%	0.000%	29,565	29,565	0	0.408%	2.190%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	103	102	1	9.875%	10.099%	3.030%	201,475	74,145	127,330	7.932%	5.179%	11.485%
ID	317	310	7	34.013%	35.469%	12.069%	662,662	453,378	209,284	60.622%	54.183%	81.636%
IL	138	134	4	10.996%	11.612%	3.960%	646,695	396,227	250,468	7.116%	13.720%	4.040%
IN	323	319	4	19.889%	20.254%	8.163%	430,812	356,083	74,729	8.650%	13.591%	3.166%
KY	33	12	21	13.636%	12.903%	14.094%	540,085	103,537	436,548	11.735%	27.576%	10.328%
MA	76	67	9	11.079%	11.796%	7.627%	306,743	164,678	142,065	3.596%	9.558%	2.087%
MD	131	130	1	12.694%	13.485%	1.471%	164,072	150,920	13,152	3.268%	14.759%	0.329%
ME	279	275	4	34.487%	36.424%	7.407%	132,232	127,193	5,039	18.160%	43.481%	1.157%
MI	1,036	1,033	3	32.774%	33.248%	5.556%	1,063,035	753,044	309,991	15.223%	37.918%	6.204%
MN	270	270	0	16.949%	17.263%	0.000%	422,532	422,532	0	9.907%	14.012%	0.000%
MO	30	27	3	2.113%	2.010%	3.896%	80,640	67,154	13,486	2.682%	3.968%	1.026%
MT	105	93	12	12.651%	12.078%	20.000%	356,324	118,951	237,373	47.220%	32.865%	60.451%
NC	81	74	7	3.548%	3.451%	5.036%	90,474	63,757	26,717	1.297%	3.732%	0.507%
ND	62	58	4	28.571%	30.526%	14.815%	130,909	67,526	63,383	23.249%	26.189%	20.766%
NE	361	356	5	48.916%	48.968%	45.455%	1,136,491	388,140	748,351	78.302%	57.507%	96.377%
NH	314	312	2	25.654%	26.374%	4.878%	134,658	105,658	29,000	14.269%	26.822%	5.275%
NJ	90	87	3	6.550%	6.507%	8.108%	1,469,207	261,936	1,207,271	18.927%	9.607%	23.973%
NM	256	251	5	35.359%	36.642%	12.821%	1,135,771	1,059,785	75,986	68.115%	75.651%	28.507%
NV	212	204	8	62.722%	64.353%	38.095%	883,230	230,098	653,132	90.729%	81.138%	94.672%
NY	61	58	3	3.863%	4.332%	1.250%	71,120	51,513	19,607	0.635%	4.202%	0.196%
OH	341	336	5	17.678%	18.625%	4.000%	263,944	244,539	19,405	2.582%	7.820%	0.274%
OK	30	28	2	14.423%	15.909%	6.250%	299,712	99,713	199,999	38.873%	35.838%	40.587%
OR	145	141	4	13.122%	14.811%	2.614%	219,995	179,332	40,663	7.480%	31.144%	1.719%
RI	2	2	0	1.399%	1.493%	0.000%	295	295	0	0.032%	0.170%	0.000%
SC	5	5	0	0.840%	0.923%	0.000%	986	986	0	0.032%	0.172%	0.000%
SD	50	50	0	26.455%	27.624%	0.000%	36,580	36,580	0	13.050%	17.778%	0.000%
TN	17	2	15	4.843%	1.235%	7.937%	661,668	1,908	659,760	11.638%	0.130%	15.624%
TX	642	610	32	13.070%	13.348%	9.357%	5,906,433	1,397,937	4,508,496	23.561%	15.057%	28.562%
UT	146	136	10	28.797%	29.759%	20.000%	1,173,073	603,257	569,816	46.118%	35.780%	66.440%
VA	35	35	0	2.212%	2.475%	0.000%	47,931	47,931	0	0.998%	7.554%	0.000%
VT	33	33	0	5.491%	5.925%	0.000%	22,931	22,931	0	4.650%	10.103%	0.000%
WI	249	247	2	13.636%	13.677%	10.000%	602,490	464,972	137,518	14.896%	19.761%	8.129%
WV	22	20	2	4.731%	6.579%	1.242%	11,472	9,570	1,902	0.800%	3.770%	0.161%
WY	41	36	5	13.487%	14.118%	10.204%	42,455	24,430	18,025	9.515%	18.913%	5.686%
Total	8,228	7,859	369	16.631%	17.316%	9.031%	47,454,607	18,464,077	28,990,530	20.597%	21.536%	20.041%

Table A5. Asbestos – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 7 MFL	6,873	11	0.160%	22,423,343	57,015	0.254%
	≥ 3.5 MFL	6,873	19	0.276%	22,423,343	82,927	0.370%
Surface Water	> 7 MFL	1,405	3	0.214%	62,738,591	196,962	0.314%
	≥ 3.5 MFL	1,405	6	0.427%	62,738,591	322,738	0.514%
Combined Ground & Surface Water	> 7 MFL	8,278	14	0.169%	85,161,934	253,977	0.298%
	≥ 3.5 MFL	8,278	25	0.302%	85,161,934	405,665	0.476%



Table A5a. Asbestos – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (MFL)			Median Detect Concentration (MFL)			90th Percentile Detect Concentration (MFL)			Maximum Detect Concentration (MFL)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	24	18	6	4.167%	0.000%	16.667%	1.33		1.33	1.33		1.33	1.33		1.33	1.33		1.33
AL	2	1	1	0.000%	0.000%	0.000%												
AR																		
AZ	2,264	1,927	337	0.442%	0.415%	0.593%	0.2	0.2	0.4	0.45	0.36	0.45	4.27	5.5	0.5	5.5	5.5	0.5
CA	6,158	3,858	2,300	2.046%	1.918%	2.261%	0.02	0.02	0.02	0.375	0.55	0.2	3.38	4	1.07	79.08	79.08	14
CO	7	5	2	28.571%	40.000%	0.000%	0.4	0.4		1.27	1.27		2.14	2.14		2.14	2.14	
CT	625	557	68	2.560%	1.975%	7.353%	0.1	0.1	0.12	0.17	0.17	0.19	1.15	0.72	6.3	6.3	1.15	6.3
DE	2	0	2	0.000%	0.000%	0.000%												
FL	75	72	3	2.667%	2.778%	0.000%	0.16	0.16		0.175	0.175		0.19	0.19		0.19	0.19	
GA	10	10	0	0.000%	0.000%	0.000%												
HI																		
IA	51	44	7	3.922%	4.545%	0.000%	0.2	0.2		0.695	0.695		1.19	1.19		1.19	1.19	
ID	128	106	22	6.250%	5.660%	9.091%	0.16	0.16	0.19	0.64	1.83	0.235	2.76	2.76	0.28	2.76	2.76	0.28
IL	126	71	55	11.905%	4.225%	21.818%	0.008	0.03	0.008	0.08	0.03	0.1	0.25	0.07	0.25	1.72	0.07	1.72
IN	152	131	21	1.974%	2.290%	0.000%	0.09	0.09		0.46	0.46		7	7		7	7	
KY	461	203	258	11.931%	24.138%	2.326%	0.1	0.1	0.1	0.61	0.92	0.19	5	5.2	0.51	143.9	143.9	0.51
MA	201	111	90	2.985%	3.604%	2.222%	0.07	0.07	0.2	0.185	0.12	5.1	10	0.57	10	10	0.57	10
MD	2	2	0	0.000%	0.000%	0.000%												
ME	27	19	8	3.704%	5.263%	0.000%	1.2	1.2		1.2	1.2		1.2	1.2		1.2	1.2	
MI																		
MN																		
MO																		
MT	296	248	48	1.351%	1.613%	0.000%	0.48	0.48		4.095	4.095		29	29		29	29	
NC	2,031	1,841	190	2.708%	2.173%	7.895%	0.17	0.17	0.17	0.17	0.17	0.18	0.52	0.36	0.71	29.3	29.3	0.87
ND	17	8	9	0.000%	0.000%	0.000%												
NE	8	8	0	0.000%	0.000%	0.000%												
NH	2,929	2,765	164	0.000%	0.000%	0.000%												
NJ	383	290	93	13.316%	12.759%	15.054%	0.09	0.09	0.09	0.09	0.19	0.09	1.26	3.8	0.45	7.68	7.68	0.72
NM	13	11	2	69.231%	81.818%	0.000%	0.17	0.17		0.17	0.17		0.19	0.19		0.19	0.19	
NV	266	202	64	0.752%	0.990%	0.000%	0.2	0.2		0.2	0.2		0.2	0.2		0.2	0.2	
NY	274	183	91	4.380%	2.732%	7.692%	0.14	0.14	0.15	0.2	0.18	0.2	0.34	10	0.2	10	10	0.2
OH	629	492	137	2.067%	2.236%	1.460%	0.17	0.17	0.19	0.2	0.34	0.195	9.3	9.3	0.2	87.23	87.23	0.2
OK																		
OR	121	56	65	1.653%	0.000%	3.077%	0.2		0.2	0.27		0.27	0.34		0.34	0.34		0.34
RI	23	13	10	0.000%	0.000%	0.000%												
SC	130	97	33	5.385%	6.186%	3.030%	0.17	0.17	0.17	0.19	0.97	0.17	5.63	5.63	0.17	5.63	5.63	0.17
SD	39	36	3	0.000%	0.000%	0.000%												
TN	251	110	141	5.578%	6.364%	4.965%	0.01	0.07	0.01	0.48	0.36	6.4	317.2	3.2	2494	2494	3.2	2494
TX																		
UT	201	135	66	0.995%	1.481%	0.000%	0.36	0.36		0.445	0.445		0.53	0.53		0.53	0.53	
VA	2	0	2	0.000%	0.000%	0.000%												
VT	37	24	13	2.703%	4.167%	0.000%	0.35	0.35		0.35	0.35		0.35	0.35		0.35	0.35	
WI	144	139	5	2.778%	2.878%	0.000%	0.03	0.03		0.155	0.155		1.54	1.54		1.54	1.54	
WV	15	15	0	86.667%	86.667%	0.000%	0.18	0.18		0.53	0.53		8.98	8.98		13.47	13.47	
WY	57	29	28	1.754%	0.000%	3.571%	0.18		0.18	0.18		0.18	0.18		0.18	0.18		0.18
Total	18,181	13,837	4,344	2.404%	2.211%	3.016%	0.008	0.02	0.008	0.2	0.26	0.2	3.48	4	1.07	2494	143.9	2494

Table A5b. Asbestos – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	16	11	5	33,462	18,076	15,386	6.250%	0.000%	20.000%	6.873%	0.000%	14.949%
AL	2	1	1	4,000	3,600	400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR												
AZ	924	879	45	5,215,395	1,908,412	3,306,983	0.866%	0.796%	2.222%	30.358%	2.604%	46.374%
CA	1,388	1,017	371	27,789,969	8,171,870	19,618,099	4.323%	3.147%	7.547%	23.732%	4.507%	31.740%
CO	4	3	1	2,544	524	2,020	50.000%	66.667%	0.000%	15.566%	75.573%	0.000%
CT	490	455	35	2,432,389	234,260	2,198,129	2.653%	1.978%	11.429%	7.669%	1.375%	8.340%
DE	1	0	1	140,000	0	140,000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	61	58	3	2,259,724	1,762,276	497,448	3.279%	3.448%	0.000%	0.156%	0.200%	0.000%
GA	6	6	0	44,855	44,855	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	51	44	7	728,677	123,837	604,840	3.922%	4.545%	0.000%	0.863%	5.077%	0.000%
ID	95	77	18	340,678	316,471	24,207	8.421%	7.792%	11.111%	28.788%	28.562%	31.739%
IL	96	64	32	1,113,336	298,293	815,043	8.333%	4.688%	15.625%	17.835%	11.723%	20.072%
IN	130	123	7	792,867	166,009	626,858	2.308%	2.439%	0.000%	0.050%	0.241%	0.000%
KY	221	83	138	4,430,954	364,222	4,066,732	4.072%	3.614%	4.348%	2.702%	7.738%	2.251%
MA	163	94	69	6,326,752	892,833	5,433,919	3.067%	3.191%	2.899%	0.984%	2.310%	0.766%
MD	2	2	0	494	494	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ME	24	17	7	109,931	48,228	61,703	4.167%	5.882%	0.000%	1.569%	3.577%	0.000%
MI												
MN												
MO												
MT	228	191	37	472,774	232,847	239,927	0.877%	1.047%	0.000%	15.673%	31.822%	0.000%
NC	1,315	1,190	125	6,215,391	1,134,270	5,081,121	3.346%	2.689%	9.600%	24.529%	4.655%	28.966%
ND	14	7	7	32,350	20,805	11,545	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	8	8	0	4,909	4,909	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,216	1,175	41	942,517	392,718	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	208	176	32	5,450,404	577,367	4,873,037	19.712%	17.614%	31.250%	24.894%	31.343%	24.130%
NM	11	10	1	37,104	36,554	550	81.818%	90.000%	0.000%	96.658%	98.112%	0.000%
NV	121	104	17	869,850	189,964	679,886	0.826%	0.962%	0.000%	0.667%	3.053%	0.000%
NY	235	158	77	832,261	287,744	544,517	3.830%	3.165%	5.195%	4.002%	0.969%	5.605%
OH	513	432	81	7,706,350	1,785,109	5,921,241	2.339%	2.315%	2.469%	22.364%	3.728%	27.983%
OK												
OR	101	48	53	1,507,822	131,186	1,376,636	1.980%	0.000%	3.774%	3.018%	0.000%	3.305%
RI	21	13	8	865,000	125,562	739,438	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	121	88	33	2,047,596	511,340	1,536,256	5.785%	6.818%	3.030%	1.395%	5.424%	0.054%
SD	30	27	3	33,315	27,673	5,642	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	164	64	100	4,022,250	1,266,367	2,755,883	6.098%	9.375%	4.000%	5.045%	3.348%	5.824%
TX												
UT	107	90	17	1,450,860	891,172	559,688	1.869%	2.222%	0.000%	1.103%	1.795%	0.000%
VA	2	0	2	204	0	204	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	29	22	7	140,927	43,253	97,674	3.448%	4.545%	0.000%	0.106%	0.347%	0.000%
WI	116	112	4	551,981	378,995	172,986	3.448%	3.571%	0.000%	0.603%	0.879%	0.000%
WV	1	1	0	9,144	9,144	0	100.000%	100.000%	0.000%	100.000%	100.000%	0.000%
WY	43	23	20	202,898	22,104	180,794	2.326%	0.000%	5.000%	1.018%	0.000%	1.142%
Total	8,278	6,873	1,405	85,161,934	22,423,343	62,738,591	3.237%	2.663%	6.050%	16.345%	5.018%	20.393%

Table A5c. Asbestos – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 7 MFL			Percent of Systems with At Least One Detection > 7 MFL			Population Served by Systems with At Least One Detection > 7 MFL			Percent of Population Served with At Least One Detection > 7 MFL		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR												
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	4	3	1	0.288%	0.295%	0.270%	164,234	1,648	162,586	0.591%	0.020%	0.829%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	1	0	0.452%	1.205%	0.000%	15,222	15,222	0	0.344%	4.179%	0.000%
MA	1	0	1	0.613%	0.000%	1.449%	33,600	0	33,600	0.531%	0.000%	0.618%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI												
MN												
MO												
MT	1	1	0	0.439%	0.524%	0.000%	1,796	1,796	0	0.380%	0.771%	0.000%
NC	2	2	0	0.152%	0.168%	0.000%	28,050	28,050	0	0.451%	2.473%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	1	1	0	0.481%	0.568%	0.000%	585	585	0	0.011%	0.101%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.426%	0.633%	0.000%	450	450	0	0.054%	0.156%	0.000%
OH	1	1	0	0.195%	0.231%	0.000%	120	120	0	0.002%	0.007%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	0	1	0.610%	0.000%	1.000%	776	0	776	0.019%	0.000%	0.028%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	1	0	100.000%	100.000%	0.000%	9,144	9,144	0	100.000%	100.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	14	11	3	0.169%	0.160%	0.214%	253,977	57,015	196,962	0.298%	0.254%	0.314%

Table A5d. Asbestos – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 3.5 MFL			Percent of Systems with At Least One Detection ≥ 3.5 MFL			Population Served by Systems with At Least One Detection ≥ 3.5 MFL			Percent of Population Served with At Least One Detection ≥ 3.5 MFL		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR												
AZ	1	1	0	0.108%	0.114%	0.000%	8,900	8,900	0	0.171%	0.466%	0.000%
CA	6	4	2	0.432%	0.393%	0.539%	164,584	1,998	162,586	0.592%	0.024%	0.829%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	0	1	0.204%	0.000%	2.857%	51,128	0	51,128	2.102%	0.000%	2.326%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	1	1	0	0.769%	0.813%	0.000%	200	200	0	0.025%	0.120%	0.000%
KY	1	1	0	0.452%	1.205%	0.000%	15,222	15,222	0	0.344%	4.179%	0.000%
MA	1	0	1	0.613%	0.000%	1.449%	33,600	0	33,600	0.531%	0.000%	0.618%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI												
MN												
MO												
MT	1	1	0	0.439%	0.524%	0.000%	1,796	1,796	0	0.380%	0.771%	0.000%
NC	2	2	0	0.152%	0.168%	0.000%	28,050	28,050	0	0.451%	2.473%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	4	4	0	1.923%	2.273%	0.000%	4,897	4,897	0	0.090%	0.848%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.426%	0.633%	0.000%	450	450	0	0.054%	0.156%	0.000%
OH	1	1	0	0.195%	0.231%	0.000%	120	120	0	0.002%	0.007%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	2	2	0	1.653%	2.273%	0.000%	12,150	12,150	0	0.593%	2.376%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	2	0	2	1.220%	0.000%	2.000%	75,424	0	75,424	1.875%	0.000%	2.737%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	1	0	100.000%	100.000%	0.000%	9,144	9,144	0	100.000%	100.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	25	19	6	0.302%	0.276%	0.427%	405,665	82,927	322,738	0.476%	0.370%	0.514%

Table A6. Atrazine– Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 3 µg/L	33,752	7	0.021%	74,386,872	93,709	0.126%
	≥ 1.5 µg/L	33,752	24	0.071%	74,386,872	220,526	0.296%
Surface Water	> 3 µg/L	3,463	91	2.628%	125,985,718	3,014,621	2.393%
	≥ 1.5 µg/L	3,463	160	4.620%	125,985,718	7,977,093	6.332%
Combined Ground & Surface Water	> 3 µg/L	37,215	98	0.263%	200,372,590	3,108,330	1.551%
	≥ 1.5 µg/L	37,215	184	0.494%	200,372,590	8,197,619	4.091%

Table A6a. Atrazine – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	52	17	35	0.000%	0.000%	0.000%												
AL	557	399	158	2.154%	0.251%	6.962%	0.09	0.1	0.09	0.19	0.1	0.19	0.29	0.1	0.29	1.1	0.1	1.1
AR	1,657	1,411	246	0.241%	0.283%	0.000%	0.06	0.06		0.075	0.075		0.08	0.08		0.08	0.08	
AZ	6,990	5,427	1,563	0.100%	0.129%	0.000%	0.08	0.08		0.1	0.1		0.3	0.3		0.3	0.3	
CA	23,055	14,685	8,370	0.030%	0.041%	0.012%	0.16	0.16	1.4	1	0.91	1.4	2.6	2.6	1.4	2.6	2.6	1.4
CO	2,499	1,824	675	1.080%	1.425%	0.148%	0.1	0.1	7.1	0.28	0.27	7.1	1	0.69	7.1	10	10	7.1
CT	1,326	1,015	311	0.226%	0.296%	0.000%	0.2	0.2		0.22	0.22		0.22	0.22		0.22	0.22	
DE	1,266	1,221	45	1.422%	1.474%	0.000%	0.1	0.1		0.1	0.1		0.3	0.3		0.4	0.4	
FL	2,415	2,341	74	0.745%	0.598%	5.405%	0.01	0.01	0.12	0.01	0.01	0.18	0.21	0.08	0.24	0.24	0.13	0.24
GA	1,477	1,396	81	0.068%	0.000%	1.235%	6		6	6		6	6		6	6		6
HI	2,101	2,004	97	9.281%	9.431%	6.186%	0.01	0.01	0.11	0.13	0.13	0.14	0.66	0.67	0.2	1.25	1.25	0.2
IA	2,194	1,821	373	17.320%	6.370%	70.777%	0.1	0.1	0.1	0.255	0.175	0.4	0.97	0.36	1	10.1	1.9	10.1
ID	2,869	2,569	300	0.627%	0.506%	1.667%	0.1	0.1	0.19	0.24	0.21	0.54	0.54	0.3	0.55	0.55	0.35	0.55
IL	5,265	3,999	1,266	5.337%	0.125%	21.801%	0.3	0.35	0.3	0.64	0.69	0.63	1.8	1	1.8	27	1	27
IN	2,672	2,331	341	4.566%	0.129%	34.897%	0.01	0.2	0.01	0.6	0.3	0.6	2.1	0.76	2.5	11	0.76	11
KY	1,949	436	1,513	10.159%	0.000%	13.087%	0.05		0.05	0.48		0.48	2.48		2.48	21		21
MA	3,071	2,251	820	0.847%	0.666%	1.341%	0.06	0.1	0.06	0.1	0.2	0.1	0.3	0.3	0.2	0.3	0.3	0.24
MD	2,931	1,809	1,122	5.937%	3.040%	10.606%	0.00037	0.01	0.00037	0.265	0.3	0.23	0.66	0.66	0.7	3.3	2.3	3.3
ME	456	391	65	0.000%	0.000%	0.000%												
MI	6,924	6,424	500	0.534%	0.016%	7.200%	0.2	0.2	0.2	0.6	0.2	0.6	4	0.2	4	7	0.2	7
MN	4,760	4,619	141	1.534%	1.364%	7.092%	0.1	0.1	0.3	0.4	0.5	0.4	1.5	1.5	0.55	1.8	1.8	0.6
MO	9,519	5,075	4,444	9.024%	0.296%	18.992%	0.5	0.55	0.5	0.93	2.55	0.92	2.21	5.02	2.14	15	10.9	15
MT	3,018	2,709	309	0.033%	0.037%	0.000%	1.41	1.41		1.41	1.41		1.41	1.41		1.41	1.41	
NC	13,265	12,111	1,154	0.528%	0.140%	4.593%	0.1	0.1	0.1	0.215	0.34	0.2	2.3	3.9	0.97	5.2	3.9	5.2
ND	409	343	66	0.244%	0.000%	1.515%	0.1		0.1	0.1		0.1	0.1		0.1	0.1		0.1
NE	4,480	4,131	349	26.473%	25.466%	38.395%	0.08	0.08	0.08	0.15	0.15	0.21	0.44	0.34	1.03	9.07	6	9.07
NH	4,193	3,874	319	0.191%	0.207%	0.000%	0.2	0.2		0.345	0.345		0.6	0.6		0.6	0.6	
NJ	195	176	19	1.026%	0.568%	5.263%	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
NM	4,524	4,261	263	1.260%	1.338%	0.000%	0.23	0.23		0.78	0.78		1.55	1.55		3.71	3.71	
NV	1,595	1,163	432	0.063%	0.086%	0.000%	0.09	0.09		0.09	0.09		0.09	0.09		0.09	0.09	
NY	2,937	2,198	739	0.238%	0.000%	0.947%	0.04		0.04	0.11		0.11	0.16		0.16	0.16		0.16
OH	7,571	4,182	3,389	19.852%	0.526%	43.700%	0.1	0.1	0.1	0.6	0.305	0.6	2	1.4	2	27	2.2	27
OK																		
OR	2,062	1,577	485	0.097%	0.127%	0.000%	0.2	0.2		0.26	0.26		0.32	0.32		0.32	0.32	
RI	926	633	293	3.348%	3.791%	2.389%	0.1	0.1	0.12	0.12	0.11	0.14	0.23	0.13	0.48	0.48	0.23	0.48
SC	2,906	2,516	390	0.000%	0.000%	0.000%												
SD	976	854	122	0.102%	0.000%	0.820%	1.61		1.61	1.61		1.61	1.61		1.61	1.61		1.61
TN	1,021	94	927	4.897%	1.064%	5.286%	0.05	2.6	0.05	0.18	2.6	0.17	0.69	2.6	0.65	3.9	2.6	3.9
TX	11,280	5,352	5,928	11.082%	3.120%	18.269%	0.1	0.1	0.1	0.36	0.3	0.37	0.92	0.91	0.92	9.01	2.2	9.01
UT	7,103	5,915	1,188	0.014%	0.017%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
VA	503	178	325	0.398%	0.000%	0.615%	0.9		0.9	1.05		1.05	1.2		1.2	1.2		1.2
VT	1,419	1,206	213	0.493%	0.166%	2.347%	0.06	0.06	0.06	0.2	0.13	0.21	0.44	0.2	0.44	0.44	0.2	0.44
WI	3,353	3,260	93	5.488%	5.552%	3.226%	0.003	0.003	0.1	0.3	0.3	0.1	0.8	0.8	0.2	1.8	1.8	0.2
WV	651	339	312	1.690%	1.475%	1.923%	0.07	0.07	0.07	0.1	0.33	0.1	0.5	0.56	0.5	0.56	0.56	0.5
WY	1,298	978	320	0.000%	0.000%	0.000%												
Total	161,690	121,515	40,175	4.227%	1.725%	11.796%	0.00037	0.003	0.00037	0.4	0.19	0.55	1.43	0.69	1.7	27	10.9	27

Table A6b. Atrazine – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	12	7	5	245,571	13,636	231,935	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	178	130	48	2,788,859	625,336	2,163,523	5.056%	0.769%	16.667%	7.855%	1.019%	9.831%
AR	454	382	72	2,453,348	910,322	1,543,026	0.441%	0.524%	0.000%	0.637%	1.716%	0.000%
AZ	934	886	48	6,077,627	2,707,036	3,370,591	0.642%	0.677%	0.000%	12.374%	27.781%	0.000%
CA	2,399	2,025	374	34,964,717	13,050,587	21,914,130	0.208%	0.198%	0.267%	0.353%	0.761%	0.110%
CO	801	582	219	4,988,574	521,665	4,466,909	0.999%	1.203%	0.457%	0.206%	1.679%	0.034%
CT	656	619	37	2,588,757	261,490	2,327,267	0.305%	0.323%	0.000%	0.451%	4.463%	0.000%
DE	247	244	3	647,226	365,826	281,400	2.024%	2.049%	0.000%	1.601%	2.832%	0.000%
FL	1,317	1,295	22	16,794,353	14,552,348	2,242,005	0.759%	0.541%	13.636%	20.009%	20.829%	14.684%
GA	294	280	14	974,583	282,561	692,022	0.340%	0.000%	7.143%	0.274%	0.000%	0.386%
HI	112	100	12	1,305,882	1,251,254	54,628	16.071%	17.000%	8.333%	21.818%	22.732%	0.879%
IA	1,056	1,023	33	2,543,237	1,434,611	1,108,626	6.818%	4.301%	84.848%	44.073%	13.090%	84.166%
ID	916	860	56	1,090,602	834,803	255,799	0.983%	0.814%	3.571%	21.825%	6.158%	72.955%
IL	1,371	1,267	104	9,186,700	2,986,303	6,200,397	4.887%	0.395%	59.615%	16.769%	0.609%	24.553%
IN	1,411	1,366	45	4,875,411	2,552,675	2,322,736	1.843%	0.146%	53.333%	33.681%	2.680%	67.752%
KY	242	93	149	4,602,489	375,460	4,227,029	17.355%	0.000%	28.188%	46.060%	0.000%	50.151%
MA	644	527	117	8,485,298	1,682,916	6,802,382	1.242%	0.759%	3.419%	1.714%	1.810%	1.691%
MD	862	794	68	4,906,096	907,989	3,998,107	3.364%	1.259%	27.941%	79.256%	1.466%	96.923%
ME	269	241	28	510,420	134,500	375,920	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,934	2,873	61	7,227,105	2,047,249	5,179,856	0.239%	0.035%	9.836%	1.855%	0.001%	2.587%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	1.709%	1.431%	13.793%	15.066%	0.479%	46.405%
MO	1,474	1,397	77	3,282,439	1,701,108	1,581,331	3.867%	0.358%	67.532%	13.913%	5.322%	23.154%
MT	813	753	60	753,259	360,590	392,669	0.123%	0.133%	0.000%	0.011%	0.023%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	1.099%	0.314%	13.869%	11.023%	0.898%	14.430%
ND	209	182	27	559,198	253,973	305,225	0.478%	0.000%	3.704%	16.526%	0.000%	30.277%
NE	762	751	11	1,455,834	679,354	776,480	13.911%	13.316%	54.545%	67.864%	33.993%	97.498%
NH	1,237	1,196	41	945,754	395,955	549,799	0.243%	0.251%	0.000%	0.669%	1.598%	0.000%
NJ	131	119	12	2,002,039	354,819	1,647,220	1.527%	0.840%	8.333%	1.028%	0.166%	1.214%
NM	695	659	36	1,661,712	1,398,814	262,898	1.007%	1.062%	0.000%	2.312%	2.746%	0.000%
NV	295	274	21	961,667	271,776	689,891	0.339%	0.365%	0.000%	0.021%	0.074%	0.000%
NY	1,345	1,114	231	4,925,284	982,007	3,943,277	0.297%	0.000%	1.732%	0.503%	0.000%	0.628%
OH	1,939	1,814	125	10,227,103	3,132,166	7,094,937	4.693%	0.772%	61.600%	36.844%	2.892%	51.832%
OK												
OR	1,085	935	150	2,938,854	574,104	2,364,750	0.184%	0.214%	0.000%	0.071%	0.361%	0.000%
RI	105	97	8	902,560	163,122	739,438	4.762%	4.124%	12.500%	9.327%	9.758%	9.232%
SC	770	711	59	3,427,270	800,487	2,626,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.383%	0.000%	4.762%	2.202%	0.000%	3.815%
TN	210	39	171	5,082,009	967,746	4,114,263	13.333%	2.564%	15.789%	9.444%	0.009%	11.663%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	6.743%	1.982%	30.267%	49.956%	10.360%	64.424%
UT	426	389	37	2,500,671	1,667,485	833,186	0.235%	0.257%	0.000%	4.239%	6.357%	0.000%
VA	182	71	111	2,391,215	30,317	2,360,898	0.549%	0.000%	0.901%	4.391%	0.000%	4.448%
VT	450	417	33	435,710	184,546	251,164	0.667%	0.480%	3.030%	1.394%	3.242%	0.036%
WI	1,416	1,396	20	3,885,086	2,193,342	1,691,744	3.955%	3.797%	15.000%	4.962%	4.129%	6.043%
WV	343	197	146	1,366,917	206,326	1,160,591	2.624%	2.538%	2.740%	7.929%	0.488%	9.252%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	37,215	33,752	3,463	200,372,590	74,386,872	125,985,718	2.386%	1.132%	14.612%	17.077%	7.923%	22.482%

Table A6c. Atrazine – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 3 µg/L			Percent of Systems with At Least One Detection > 3 µg/L			Population Served by Systems with At Least One Detection > 3 µg/L			Percent of Population Served with At Least One Detection > 3 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	2	1	1	0.250%	0.172%	0.457%	2,614	1,114	1,500	0.052%	0.214%	0.034%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.340%	0.000%	7.143%	2,671	0	2,671	0.274%	0.000%	0.386%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	1	0	1	0.095%	0.000%	3.030%	4,573	0	4,573	0.180%	0.000%	0.412%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	9	0	9	0.656%	0.000%	8.654%	113,232	0	113,232	1.233%	0.000%	1.826%
IN	6	0	6	0.425%	0.000%	13.333%	53,737	0	53,737	1.102%	0.000%	2.314%
KY	8	0	8	3.306%	0.000%	5.369%	114,484	0	114,484	2.487%	0.000%	2.708%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	0	1	0.116%	0.000%	1.471%	54,000	0	54,000	1.101%	0.000%	1.351%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	3	0	3	0.102%	0.000%	4.918%	26,843	0	26,843	0.371%	0.000%	0.518%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	25	3	22	1.696%	0.215%	28.571%	251,575	90,373	161,202	7.664%	5.313%	10.194%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	2	1	1	0.085%	0.045%	0.730%	50,598	150	50,448	0.735%	0.009%	0.979%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	1	1	0.262%	0.133%	9.091%	514,144	1,980	512,164	35.316%	0.291%	65.960%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	1	1	0	0.144%	0.152%	0.000%	92	92	0	0.006%	0.007%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	28	0	28	1.444%	0.000%	22.400%	1,680,358	0	1,680,358	16.430%	0.000%	23.684%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	0	1	0.476%	0.000%	0.585%	40,994	0	40,994	0.807%	0.000%	0.996%
TX	8	0	8	0.400%	0.000%	2.374%	198,415	0	198,415	0.922%	0.000%	1.259%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	98	7	91	0.263%	0.021%	2.628%	3,108,330	93,709	3,014,621	1.551%	0.126%	2.393%



Table A6d. Atrazine – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 1.5 µg/L			Percent of Systems with At Least One Detection ≥ 1.5 µg/L			Population Served by Systems with At Least One Detection ≥ 1.5 µg/L			Percent of Population Served with At Least One Detection ≥ 1.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.042%	0.049%	0.000%	98,730	98,730	0	0.282%	0.757%	0.000%
CO	2	1	1	0.250%	0.172%	0.457%	2,614	1,114	1,500	0.052%	0.214%	0.034%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.340%	0.000%	7.143%	2,671	0	2,671	0.274%	0.000%	0.386%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	6	2	4	0.568%	0.196%	12.121%	76,656	9,848	66,808	3.014%	0.686%	6.026%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	18	0	18	1.313%	0.000%	17.308%	331,755	0	331,755	3.611%	0.000%	5.351%
IN	10	0	10	0.709%	0.000%	22.222%	1,148,282	0	1,148,282	23.553%	0.000%	49.437%
KY	19	0	19	7.851%	0.000%	12.752%	408,419	0	408,419	8.874%	0.000%	9.662%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	4	2	2	0.464%	0.252%	2.941%	67,320	120	67,200	1.372%	0.013%	1.681%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	3	0	3	0.102%	0.000%	4.918%	26,843	0	26,843	0.371%	0.000%	0.518%
MN	1	1	0	0.078%	0.079%	0.000%	40	40	0	0.001%	0.001%	0.000%
MO	39	4	35	2.646%	0.286%	45.455%	317,810	90,478	227,332	9.682%	5.319%	14.376%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	2	1	1	0.085%	0.045%	0.730%	50,598	150	50,448	0.735%	0.009%	0.979%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	4	2	2	0.525%	0.266%	18.182%	522,701	2,198	520,503	35.904%	0.324%	67.034%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	3	3	0	0.432%	0.455%	0.000%	292	292	0	0.018%	0.021%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	44	1	43	2.269%	0.055%	34.400%	2,479,796	325	2,479,471	24.247%	0.010%	34.947%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	1	0	1	0.383%	0.000%	4.762%	13,703	0	13,703	2.202%	0.000%	3.815%
TN	3	1	2	1.429%	2.564%	1.170%	48,881	85	48,796	0.962%	0.009%	1.186%
TX	22	4	18	1.099%	0.240%	5.341%	2,597,519	14,157	2,583,362	12.068%	0.246%	16.388%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.071%	0.072%	0.000%	2,989	2,989	0	0.077%	0.136%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	184	24	160	0.494%	0.071%	4.620%	8,197,619	220,526	7,977,093	4.091%	0.296%	6.332%

Table A7. Barium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 2 mg/L	45,118	61	0.135%	85,388,860	189,533	0.222%
	≥ 1 mg/L	45,118	225	0.499%	85,388,860	609,877	0.714%
Surface Water	> 2 mg/L	4,007	5	0.125%	144,386,847	21,575	0.015%
	≥ 1 mg/L	4,007	15	0.374%	144,386,847	211,283	0.146%
Combined Ground & Surface Water	> 2 mg/L	49,125	66	0.134%	229,775,707	211,108	0.092%
	≥ 1 mg/L	49,125	240	0.489%	229,775,707	821,160	0.357%





Table A7c. Barium – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 2 mg/L			Percent of Systems with At Least One Detection > 2 mg/L			Population Served by Systems with At Least One Detection > 2 mg/L			Percent of Population Served with At Least One Detection > 2 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	1	1	0	0.221%	0.262%	0.000%	275	275	0	0.011%	0.030%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	4	4	0	0.105%	0.121%	0.000%	76,100	76,100	0	0.210%	0.567%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.086%	0.088%	0.000%	34	34	0	0.001%	0.009%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	11	11	0	0.738%	0.793%	0.000%	92,301	92,301	0	1.007%	3.110%	0.000%
IN	2	2	0	0.123%	0.127%	0.000%	1,107	1,107	0	0.022%	0.042%	0.000%
KY	2	2	0	0.826%	2.151%	0.000%	510	510	0	0.011%	0.136%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	1	1	0	0.124%	0.133%	0.000%	53	53	0	0.007%	0.018%	0.000%
MI	5	5	0	0.167%	0.170%	0.000%	2,934	2,934	0	0.044%	0.155%	0.000%
MN	1	1	0	0.069%	0.070%	0.000%	1,066	1,066	0	0.027%	0.039%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	2	2	0	0.146%	0.150%	0.000%	223	223	0	0.003%	0.008%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	22	18	4	1.312%	1.255%	1.646%	12,354	6,659	5,695	0.110%	0.521%	0.057%
OH	1	1	0	0.052%	0.056%	0.000%	110	110	0	0.001%	0.004%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	1	0	1	0.137%	0.000%	0.826%	15,880	0	15,880	0.573%	0.000%	0.696%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	2	2	0	0.041%	0.044%	0.000%	1,010	1,010	0	0.004%	0.011%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	8	8	0	0.439%	0.444%	0.000%	6,251	6,251	0	0.155%	0.266%	0.000%
WV	2	2	0	0.439%	0.678%	0.000%	900	900	0	0.063%	0.378%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	66	61	5	0.134%	0.135%	0.125%	211,108	189,533	21,575	0.092%	0.222%	0.015%

Table A7d. Barium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 1 mg/L			Percent of Systems with At Least One Detection ≥ 1 mg/L			Population Served by Systems with At Least One Detection ≥ 1 mg/L			Percent of Population Served with At Least One Detection ≥ 1 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	1	0	0.203%	0.254%	0.000%	302	302	0	0.058%	0.143%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	1	1	0	0.221%	0.262%	0.000%	275	275	0	0.011%	0.030%	0.000%
AZ	10	7	3	0.953%	0.699%	6.250%	23,235	19,983	3,252	0.377%	0.716%	0.096%
CA	15	14	1	0.392%	0.424%	0.191%	112,655	112,224	431	0.311%	0.836%	0.002%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	17	17	0	1.454%	1.504%	0.000%	1,547	1,547	0	0.057%	0.405%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	3	3	0	0.225%	0.230%	0.000%	41,411	41,411	0	0.241%	0.277%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	6	6	0	0.620%	0.642%	0.000%	3,379	3,379	0	0.135%	0.243%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	41	40	1	2.752%	2.884%	0.971%	334,996	233,018	101,978	3.654%	7.851%	1.645%
IN	8	8	0	0.493%	0.508%	0.000%	34,846	34,846	0	0.700%	1.330%	0.000%
KY	5	5	0	2.066%	5.376%	0.000%	3,232	3,232	0	0.070%	0.861%	0.000%
MA	4	3	1	0.593%	0.539%	0.847%	56,825	40,825	16,000	0.667%	2.376%	0.235%
MD	3	2	1	0.289%	0.206%	1.471%	5,190	90	5,100	0.103%	0.009%	0.128%
ME	2	2	0	0.248%	0.265%	0.000%	1,921	1,921	0	0.264%	0.657%	0.000%
MI	10	10	0	0.334%	0.340%	0.000%	3,285	3,285	0	0.049%	0.174%	0.000%
MN	2	2	0	0.137%	0.140%	0.000%	4,782	4,782	0	0.121%	0.175%	0.000%
MO	3	2	1	0.211%	0.149%	1.299%	2,395	653	1,742	0.080%	0.039%	0.133%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	2	2	0	0.088%	0.093%	0.000%	90	90	0	0.001%	0.005%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	13	13	0	0.946%	0.972%	0.000%	28,200	28,200	0	0.363%	1.034%	0.000%
NM	1	1	0	0.138%	0.146%	0.000%	60	60	0	0.004%	0.004%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	36	31	5	2.147%	2.162%	2.058%	44,304	38,459	5,845	0.393%	3.009%	0.059%
OH	11	11	0	0.574%	0.614%	0.000%	5,639	5,639	0	0.055%	0.181%	0.000%
OK	2	2	0	0.985%	1.143%	0.000%	67	67	0	0.009%	0.024%	0.000%
OR	1	0	1	0.137%	0.000%	0.826%	15,880	0	15,880	0.573%	0.000%	0.696%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	2	2	0	0.571%	1.242%	0.000%	165	165	0	0.003%	0.011%	0.000%
TX	8	7	1	0.162%	0.153%	0.292%	63,910	2,855	61,055	0.255%	0.031%	0.387%
UT	2	2	0	0.394%	0.438%	0.000%	15,870	15,870	0	0.624%	0.941%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	15	15	0	0.823%	0.832%	0.000%	10,022	10,022	0	0.248%	0.426%	0.000%
WV	16	16	0	3.509%	5.424%	0.000%	6,677	6,677	0	0.471%	2.802%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	240	225	15	0.489%	0.499%	0.374%	821,160	609,877	211,283	0.357%	0.714%	0.146%

Table A8. Benzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 µg/L	46,177	57	0.123%	86,395,538	338,086	0.391%
	≥ 2.5 µg/L	46,177	100	0.217%	86,395,538	700,772	0.811%
	≥ 1 µg/L	46,177	206	0.446%	86,395,538	1,079,744	1.250%
	> 0.5 µg/L	46,177	283	0.613%	86,395,538	1,486,410	1.720%
Surface Water	> 5 µg/L	4,258	6	0.141%	140,551,755	148,852	0.106%
	≥ 2.5 µg/L	4,258	10	0.235%	140,551,755	183,093	0.130%
	≥ 1 µg/L	4,258	22	0.517%	140,551,755	4,038,337	2.873%
	> 0.5 µg/L	4,258	39	0.916%	140,551,755	7,433,993	5.289%
Combined Ground & Surface Water	> 5 µg/L	50,435	63	0.125%	226,947,293	486,938	0.215%
	≥ 2.5 µg/L	50,435	110	0.218%	226,947,293	883,865	0.389%
	≥ 1 µg/L	50,435	228	0.452%	226,947,293	5,118,081	2.255%
	> 0.5 µg/L	50,435	322	0.638%	226,947,293	8,920,403	3.931%





Table A8b. Benzene – Summary of Stage 1 (Peak) Analyses of Any Detection &gt; MRL (Single detections &gt; MRL are not MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	3.226%	1.899%	7.534%	9.883%	23.492%	1.410%
AL	264	202	62	4,228,835	1,123,190	3,105,645	3.788%	3.465%	4.839%	5.315%	15.334%	1.692%
AR	454	382	72	2,453,348	910,322	1,543,026	1.322%	1.309%	1.389%	3.133%	0.626%	4.612%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.283%	0.198%	2.083%	4.899%	0.076%	8.901%
CA	3,656	3,139	517	35,828,629	13,516,168	22,312,461	0.629%	0.605%	0.774%	1.253%	0.880%	1.480%
CO	827	606	221	4,998,841	531,207	4,467,634	0.484%	0.660%	0.000%	0.021%	0.195%	0.000%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.497%	0.514%	0.000%	0.070%	0.490%	0.000%
DE	318	315	3	698,987	417,587	281,400	0.629%	0.635%	0.000%	0.223%	0.374%	0.000%
FL	1,511	1,485	26	17,497,814	15,251,772	2,246,042	0.927%	0.875%	3.846%	2.783%	1.605%	10.780%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.329%	0.293%	0.862%	0.173%	0.251%	0.152%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.758%	0.782%	0.000%	0.328%	0.582%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.107%	0.114%	0.000%	3.292%	4.298%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.560%	0.528%	0.962%	0.414%	0.900%	0.177%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.136%	0.140%	0.000%	0.054%	0.102%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	2.490%	0.000%	4.027%	8.996%	0.000%	9.795%
MA	718	600	118	8,557,325	1,749,901	6,807,424	2.786%	2.000%	6.780%	44.243%	3.901%	54.614%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	1.139%	1.116%	1.471%	34.538%	2.437%	42.770%
ME	810	757	53	728,347	292,773	435,574	1.358%	1.321%	1.887%	19.073%	0.675%	31.440%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.202%	0.206%	0.000%	0.864%	3.128%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	1.960%	1.933%	3.333%	4.649%	6.220%	0.862%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.353%	0.373%	0.000%	0.479%	0.852%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.354%	0.381%	0.000%	0.171%	0.354%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.634%	0.628%	0.719%	0.765%	1.815%	0.420%
ND	210	183	27	562,397	257,172	305,225	2.381%	2.732%	0.000%	1.836%	4.015%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.908%	0.921%	0.000%	3.309%	7.057%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	1.590%	1.643%	0.000%	1.045%	2.486%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	2.718%	2.719%	2.703%	4.127%	10.202%	0.854%
NM	726	687	39	1,698,755	1,432,207	266,548	1.791%	1.747%	2.564%	8.778%	5.336%	27.275%
NV	338	317	21	973,592	283,701	689,891	0.592%	0.631%	0.000%	1.927%	6.613%	0.000%
NY	1,524	1,288	236	4,894,938	1,044,336	3,850,602	0.722%	0.621%	1.271%	0.185%	0.826%	0.011%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.360%	0.330%	0.800%	0.041%	0.052%	0.037%
OK	718	506	212	3,119,686	660,832	2,458,854	0.975%	1.383%	0.000%	0.286%	1.352%	0.000%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	145	136	9	913,884	173,906	739,978	2.069%	2.206%	0.000%	0.597%	3.137%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.855%	0.793%	1.613%	0.414%	0.485%	0.394%
SD	245	233	12	266,416	194,218	72,198	0.408%	0.429%	0.000%	0.250%	0.343%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	1.140%	1.852%	0.529%	1.908%	7.024%	0.136%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.727%	0.738%	0.585%	11.742%	1.219%	17.928%
UT	500	454	46	2,553,197	1,698,877	854,320	0.200%	0.220%	0.000%	0.001%	0.002%	0.000%
VA	1,599	1,428	171	5,273,208	630,625	4,642,583	0.625%	0.560%	1.170%	1.260%	0.460%	1.368%
VT	603	560	43	491,035	227,067	263,968	0.663%	0.714%	0.000%	0.333%	0.720%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	1.570%	1.474%	10.000%	8.106%	12.425%	2.113%
WV	403	243	160	1,416,020	237,670	1,178,350	4.467%	5.350%	3.125%	2.413%	1.243%	2.649%
WY	304	256	48	446,177	129,229	316,948	0.658%	0.781%	0.000%	0.162%	0.561%	0.000%
Total	50,435	46,177	4,258	226,947,293	86,395,538	140,551,755	0.884%	0.836%	1.409%	5.372%	2.382%	7.210%

Table A8c. Benzene – Summary of Stage 1 (Peak) Analyses of Any Detections &gt; 5 µg/L (Single detections &gt; 5 µg/L are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 µg/L			Percent of Systems with At Least One Detection > 5 µg/L			Population Served by Systems with At Least One Detection > 5 µg/L			Percent of Population Served with At Least One Detection > 5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	2	1	1	0.323%	0.211%	0.685%	5,225	5,000	225	0.862%	2.150%	0.060%
AL	2	2	0	0.758%	0.990%	0.000%	94,149	94,149	0	2.226%	8.382%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	125	125	0	0.002%	0.004%	0.000%
CA	4	3	1	0.109%	0.096%	0.193%	118,343	13,011	105,332	0.330%	0.096%	0.472%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	2	2	0	0.166%	0.171%	0.000%	65	65	0	0.002%	0.017%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	2,500	2,500	0	0.033%	0.157%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	3	3	0	0.210%	0.226%	0.000%	26,169	26,169	0	0.284%	0.867%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	1	0	1	0.139%	0.000%	0.847%	10,433	0	10,433	0.122%	0.000%	0.153%
MD	5	5	0	0.474%	0.507%	0.000%	14,155	14,155	0	0.282%	1.381%	0.000%
ME	3	3	0	0.370%	0.396%	0.000%	355	355	0	0.049%	0.121%	0.000%
MI	1	1	0	0.034%	0.034%	0.000%	70	70	0	0.001%	0.004%	0.000%
MN	1	1	0	0.063%	0.064%	0.000%	2,287	2,287	0	0.054%	0.076%	0.000%
MO	1	1	0	0.071%	0.075%	0.000%	75	75	0	0.002%	0.004%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	2	2	0	0.084%	0.090%	0.000%	115	115	0	0.002%	0.007%	0.000%
ND	1	1	0	0.476%	0.546%	0.000%	2,614	2,614	0	0.465%	1.016%	0.000%
NE	2	2	0	0.259%	0.263%	0.000%	40,511	40,511	0	2.771%	5.908%	0.000%
NH	3	3	0	0.238%	0.247%	0.000%	1,948	1,948	0	0.205%	0.488%	0.000%
NJ	3	3	0	0.215%	0.220%	0.000%	33,122	33,122	0	0.427%	1.221%	0.000%
NM	3	3	0	0.413%	0.437%	0.000%	59,800	59,800	0	3.520%	4.175%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.161%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	1	1	0	0.139%	0.198%	0.000%	167	167	0	0.005%	0.025%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	0	1	0.122%	0.000%	1.613%	10,350	0	10,350	0.308%	0.000%	0.394%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	8	8	0	0.162%	0.174%	0.000%	37,062	37,062	0	0.148%	0.399%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	3	2	1	0.188%	0.140%	0.585%	203	153	50	0.004%	0.024%	0.001%
VT	1	1	0	0.166%	0.179%	0.000%	116	116	0	0.024%	0.051%	0.000%
WI	4	4	0	0.224%	0.227%	0.000%	1,832	1,832	0	0.045%	0.078%	0.000%
WV	2	1	1	0.496%	0.412%	0.625%	22,837	375	22,462	1.613%	0.158%	1.906%
WY	1	1	0	0.329%	0.391%	0.000%	625	625	0	0.140%	0.484%	0.000%
Total	63	57	6	0.125%	0.123%	0.141%	486,938	338,086	148,852	0.215%	0.391%	0.106%

Table A8d. Benzene – Summary of Stage 1 (Peak) Analyses of Any Detections  $\geq 2.5$   $\mu\text{g/L}$  (Single detections  $\geq 2.5$   $\mu\text{g/L}$  are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 2.5$ $\mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2.5$ $\mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2.5$ $\mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2.5$ $\mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	5	3	2	0.806%	0.633%	1.370%	6,826	6,250	576	1.126%	2.687%	0.154%
AL	3	3	0	1.136%	1.485%	0.000%	94,474	94,474	0	2.234%	8.411%	0.000%
AR	2	2	0	0.441%	0.524%	0.000%	113	113	0	0.005%	0.012%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	125	125	0	0.002%	0.004%	0.000%
CA	6	5	1	0.164%	0.159%	0.193%	142,643	37,311	105,332	0.398%	0.276%	0.472%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	3	3	0	0.249%	0.257%	0.000%	1,707	1,707	0	0.063%	0.438%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	3	3	0	0.165%	0.176%	0.000%	2,828	2,828	0	0.038%	0.178%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	1	1	0	0.095%	0.098%	0.000%	834	834	0	0.033%	0.058%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	3	3	0	0.210%	0.226%	0.000%	26,169	26,169	0	0.284%	0.867%	0.000%
IN	1	1	0	0.068%	0.070%	0.000%	130	130	0	0.003%	0.005%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	3	1	2	0.418%	0.167%	1.695%	11,483	50	11,433	0.134%	0.003%	0.168%
MD	8	8	0	0.759%	0.811%	0.000%	18,470	18,470	0	0.368%	1.801%	0.000%
ME	3	3	0	0.370%	0.396%	0.000%	355	355	0	0.049%	0.121%	0.000%
MI	1	1	0	0.034%	0.034%	0.000%	70	70	0	0.001%	0.004%	0.000%
MN	5	4	1	0.316%	0.258%	3.333%	22,376	11,598	10,778	0.525%	0.385%	0.862%
MO	2	2	0	0.141%	0.149%	0.000%	12,575	12,575	0	0.419%	0.744%	0.000%
MT	2	2	0	0.236%	0.254%	0.000%	794	794	0	0.105%	0.217%	0.000%
NC	5	4	1	0.211%	0.180%	0.719%	22,539	427	22,112	0.322%	0.025%	0.420%
ND	1	1	0	0.476%	0.546%	0.000%	2,614	2,614	0	0.465%	1.016%	0.000%
NE	3	3	0	0.389%	0.395%	0.000%	40,698	40,698	0	2.783%	5.935%	0.000%
NH	4	4	0	0.318%	0.329%	0.000%	2,418	2,418	0	0.255%	0.606%	0.000%
NJ	4	4	0	0.286%	0.294%	0.000%	59,267	59,267	0	0.765%	2.185%	0.000%
NM	5	5	0	0.689%	0.728%	0.000%	61,198	61,198	0	3.603%	4.273%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	3	3	0	0.197%	0.233%	0.000%	5,685	5,685	0	0.116%	0.544%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	2	2	0	0.279%	0.395%	0.000%	410	410	0	0.013%	0.062%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	3	2	1	0.366%	0.264%	1.613%	13,252	2,902	10,350	0.395%	0.396%	0.394%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	12	12	0	0.242%	0.260%	0.000%	48,564	48,564	0	0.193%	0.522%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	4	3	1	0.250%	0.210%	0.585%	685	635	50	0.013%	0.101%	0.001%
VT	1	1	0	0.166%	0.179%	0.000%	116	116	0	0.024%	0.051%	0.000%
WI	7	7	0	0.392%	0.397%	0.000%	260,825	260,825	0	6.457%	11.109%	0.000%
WV	3	2	1	0.744%	0.823%	0.625%	22,997	535	22,462	1.624%	0.225%	1.906%
WY	1	1	0	0.329%	0.391%	0.000%	625	625	0	0.140%	0.484%	0.000%
Total	110	100	10	0.218%	0.217%	0.235%	883,865	700,772	183,093	0.389%	0.811%	0.130%

Table A8e. Benzene – Summary of Stage 1 (Peak) Analyses of Any Detections  $\geq 1 \mu\text{g/L}$  (Single detections  $\geq 1 \mu\text{g/L}$  are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	8	5	3	1.290%	1.055%	2.055%	54,859	53,850	1,009	9.050%	23.152%	0.270%
AL	6	5	1	2.273%	2.475%	1.613%	160,231	139,177	21,054	3.789%	12.391%	0.678%
AR	4	4	0	0.881%	1.047%	0.000%	751	751	0	0.031%	0.082%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	125	125	0	0.002%	0.004%	0.000%
CA	14	12	2	0.383%	0.382%	0.387%	253,212	82,880	170,332	0.707%	0.613%	0.763%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	5	5	0	0.414%	0.428%	0.000%	1,777	1,777	0	0.065%	0.456%	0.000%
DE	1	1	0	0.314%	0.317%	0.000%	60	60	0	0.009%	0.014%	0.000%
FL	2	2	0	0.132%	0.135%	0.000%	68,298	68,298	0	0.390%	0.448%	0.000%
GA	5	4	1	0.274%	0.234%	0.862%	12,531	3,561	8,970	0.167%	0.224%	0.152%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	4	4	0	0.379%	0.391%	0.000%	5,302	5,302	0	0.208%	0.370%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	5	4	1	0.350%	0.302%	0.962%	37,294	26,319	10,975	0.405%	0.872%	0.177%
IN	1	1	0	0.068%	0.070%	0.000%	130	130	0	0.003%	0.005%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	48,800	0	48,800	1.060%	0.000%	1.154%
MA	12	6	6	1.671%	1.000%	5.085%	3,662,923	16,750	3,646,173	42.805%	0.957%	53.562%
MD	9	9	0	0.854%	0.913%	0.000%	24,532	24,532	0	0.488%	2.393%	0.000%
ME	7	7	0	0.864%	0.925%	0.000%	1,685	1,685	0	0.231%	0.576%	0.000%
MI	3	3	0	0.101%	0.103%	0.000%	387	387	0	0.005%	0.020%	0.000%
MN	8	7	1	0.506%	0.451%	3.333%	26,092	15,314	10,778	0.612%	0.509%	0.862%
MO	4	4	0	0.282%	0.299%	0.000%	13,927	13,927	0	0.464%	0.824%	0.000%
MT	3	3	0	0.354%	0.381%	0.000%	1,294	1,294	0	0.171%	0.354%	0.000%
NC	14	13	1	0.591%	0.583%	0.719%	53,474	31,362	22,112	0.764%	1.810%	0.420%
ND	2	2	0	0.952%	1.093%	0.000%	3,935	3,935	0	0.700%	1.530%	0.000%
NE	5	5	0	0.649%	0.658%	0.000%	41,566	41,566	0	2.843%	6.062%	0.000%
NH	9	9	0	0.715%	0.740%	0.000%	7,160	7,160	0	0.755%	1.795%	0.000%
NJ	10	10	0	0.715%	0.735%	0.000%	80,941	80,941	0	1.045%	2.984%	0.000%
NM	7	7	0	0.964%	1.019%	0.000%	63,553	63,553	0	3.741%	4.437%	0.000%
NV	1	1	0	0.296%	0.315%	0.000%	18,000	18,000	0	1.849%	6.345%	0.000%
NY	4	4	0	0.262%	0.311%	0.000%	5,779	5,779	0	0.118%	0.553%	0.000%
OH	2	2	0	0.103%	0.110%	0.000%	355	355	0	0.003%	0.011%	0.000%
OK	5	5	0	0.696%	0.988%	0.000%	7,101	7,101	0	0.228%	1.075%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	2	2	0	1.379%	1.471%	0.000%	1,955	1,955	0	0.214%	1.124%	0.000%
SC	7	6	1	0.855%	0.793%	1.613%	13,904	3,554	10,350	0.414%	0.485%	0.394%
SD	1	1	0	0.408%	0.429%	0.000%	666	666	0	0.250%	0.343%	0.000%
TN	2	2	0	0.570%	1.235%	0.000%	19,604	19,604	0	0.345%	1.340%	0.000%
TX	26	26	0	0.525%	0.564%	0.000%	67,358	67,358	0	0.268%	0.724%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	9	7	2	0.563%	0.490%	1.170%	65,421	1,899	63,522	1.241%	0.301%	1.368%
VT	3	3	0	0.498%	0.536%	0.000%	1,286	1,286	0	0.262%	0.566%	0.000%
WI	11	11	0	0.617%	0.624%	0.000%	266,391	266,391	0	6.595%	11.346%	0.000%
WV	4	2	2	0.993%	0.823%	1.250%	24,797	535	24,262	1.751%	0.225%	2.059%
WY	1	1	0	0.329%	0.391%	0.000%	625	625	0	0.140%	0.484%	0.000%
Total	228	206	22	0.452%	0.446%	0.517%	5,118,081	1,079,744	4,038,337	2.255%	1.250%	2.873%

Table A8f. Benzene – Summary of Stage 1 (Peak) Analyses of Any Detections &gt; 0.5 µg/L (Single detections &gt; 0.5 µg/L are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	14	7	7	2.258%	1.477%	4.795%	57,112	54,300	2,812	9.421%	23.346%	0.753%
AL	10	7	3	3.788%	3.465%	4.839%	224,778	172,233	52,545	5.315%	15.334%	1.692%
AR	5	4	1	1.101%	1.047%	1.389%	71,912	751	71,161	2.931%	0.082%	4.612%
AZ	2	2	0	0.189%	0.198%	0.000%	2,125	2,125	0	0.034%	0.076%	0.000%
CA	21	17	4	0.574%	0.542%	0.774%	448,960	118,825	330,135	1.253%	0.879%	1.480%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	6	6	0	0.497%	0.514%	0.000%	1,907	1,907	0	0.070%	0.490%	0.000%
DE	2	2	0	0.629%	0.635%	0.000%	1,560	1,560	0	0.223%	0.374%	0.000%
FL	7	7	0	0.463%	0.471%	0.000%	111,025	111,025	0	0.635%	0.728%	0.000%
GA	6	5	1	0.329%	0.293%	0.862%	12,968	3,998	8,970	0.173%	0.251%	0.152%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	7	7	0	0.663%	0.684%	0.000%	7,756	7,756	0	0.305%	0.541%	0.000%
ID	1	1	0	0.107%	0.114%	0.000%	36,000	36,000	0	3.292%	4.298%	0.000%
IL	8	7	1	0.560%	0.528%	0.962%	38,122	27,147	10,975	0.414%	0.900%	0.177%
IN	2	2	0	0.136%	0.140%	0.000%	2,630	2,630	0	0.054%	0.102%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	48,800	0	48,800	1.060%	0.000%	1.154%
MA	18	11	7	2.507%	1.833%	5.932%	3,736,850	53,062	3,683,788	43.668%	3.032%	54.114%
MD	10	10	0	0.949%	1.014%	0.000%	24,642	24,642	0	0.491%	2.403%	0.000%
ME	9	8	1	1.111%	1.057%	1.887%	138,655	1,710	136,945	19.037%	0.584%	31.440%
MI	5	5	0	0.168%	0.172%	0.000%	7,667	7,667	0	0.107%	0.388%	0.000%
MN	12	11	1	0.759%	0.709%	3.333%	28,052	17,274	10,778	0.658%	0.574%	0.862%
MO	5	5	0	0.353%	0.373%	0.000%	14,392	14,392	0	0.479%	0.852%	0.000%
MT	3	3	0	0.354%	0.381%	0.000%	1,294	1,294	0	0.171%	0.354%	0.000%
NC	15	14	1	0.634%	0.628%	0.719%	53,559	31,447	22,112	0.765%	1.815%	0.420%
ND	5	5	0	2.381%	2.732%	0.000%	10,325	10,325	0	1.836%	4.015%	0.000%
NE	6	6	0	0.778%	0.789%	0.000%	41,899	41,899	0	2.866%	6.110%	0.000%
NH	16	16	0	1.272%	1.315%	0.000%	9,161	9,161	0	0.966%	2.296%	0.000%
NJ	19	18	1	1.359%	1.323%	2.703%	181,576	138,576	43,000	2.343%	5.109%	0.854%
NM	10	9	1	1.377%	1.310%	2.564%	138,554	65,853	72,701	8.156%	4.598%	27.275%
NV	1	1	0	0.296%	0.315%	0.000%	18,000	18,000	0	1.849%	6.345%	0.000%
NY	5	4	1	0.328%	0.311%	0.424%	5,897	5,779	118	0.120%	0.553%	0.003%
OH	4	4	0	0.206%	0.220%	0.000%	639	639	0	0.006%	0.020%	0.000%
OK	5	5	0	0.696%	0.988%	0.000%	7,101	7,101	0	0.228%	1.075%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	3	3	0	2.069%	2.206%	0.000%	5,455	5,455	0	0.597%	3.137%	0.000%
SC	7	6	1	0.855%	0.793%	1.613%	13,904	3,554	10,350	0.414%	0.485%	0.394%
SD	1	1	0	0.408%	0.429%	0.000%	666	666	0	0.250%	0.343%	0.000%
TN	4	3	1	1.140%	1.852%	0.529%	108,469	102,719	5,750	1.908%	7.024%	0.136%
TX	33	31	2	0.667%	0.673%	0.585%	2,940,114	104,845	2,835,269	11.708%	1.128%	17.928%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	9	7	2	0.563%	0.490%	1.170%	65,421	1,899	63,522	1.241%	0.301%	1.368%
VT	3	3	0	0.498%	0.536%	0.000%	1,286	1,286	0	0.262%	0.566%	0.000%
WI	16	16	0	0.897%	0.907%	0.000%	275,648	275,648	0	6.824%	11.741%	0.000%
WV	4	2	2	0.993%	0.823%	1.250%	24,797	535	24,262	1.751%	0.225%	2.059%
WY	2	2	0	0.658%	0.781%	0.000%	725	725	0	0.162%	0.561%	0.000%
Total	322	283	39	0.638%	0.613%	0.916%	8,920,403	1,486,410	7,433,993	3.931%	1.720%	5.289%

Table A9. Benzo[a]pyrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.2 µg/L	25,566	9	0.035%	65,074,173	12,087	0.019%
	≥ 0.1 µg/L	25,566	35	0.137%	65,074,173	69,321	0.107%
Surface Water	> 0.2 µg/L	3,012	5	0.166%	119,069,990	202,896	0.170%
	≥ 0.1 µg/L	3,012	18	0.598%	119,069,990	2,899,838	2.435%
Combined Ground & Surface Water	> 0.2 µg/L	28,578	14	0.049%	184,144,163	214,983	0.117%
	≥ 0.1 µg/L	28,578	53	0.185%	184,144,163	2,969,159	1.612%

Table A9a. Benzo[a]pyrene – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	56	18	38	0.000%	0.000%	0.000%												
AL	606	432	174	0.165%	0.000%	0.575%	0.14		0.14	0.14		0.14	0.14		0.14	0.14		0.14
AR	2,242	1,924	318	0.089%	0.104%	0.000%	0.14	0.14		0.185	0.185		0.23	0.23		0.23	0.23	
AZ	7,083	5,514	1,569	0.184%	0.236%	0.000%	0.02	0.02		0.07	0.07		0.1	0.1		1	1	
CA	12,762	7,201	5,561	0.024%	0.042%	0.000%	0.01	0.01		0.02	0.02		0.02	0.02		0.02	0.02	
CO	2,518	1,826	692	0.119%	0.164%	0.000%	0.22	0.22		0.45	0.45		0.91	0.91		0.91	0.91	
CT	1,316	1,006	310	0.456%	0.497%	0.323%	0.04	0.04	0.04	0.04	0.04	0.04	0.09	0.09	0.04	0.09	0.09	0.04
DE	1,084	1,054	30	0.092%	0.000%	3.333%	0.09		0.09	0.09		0.09	0.09		0.09	0.09		0.09
FL	2,409	2,342	67	0.457%	0.470%	0.000%	0.01	0.01		0.01	0.01		0.02	0.02		0.07	0.07	
GA	1,477	1,396	81	0.135%	0.000%	2.469%	0.4		0.4	0.4		0.4	0.4		0.4	0.4		0.4
HI																		
IA	1,721	1,592	129	0.116%	0.126%	0.000%	0.01	0.01		0.015	0.015		0.02	0.02		0.02	0.02	
ID	2,237	1,958	279	0.000%	0.000%	0.000%												
IL	3,838	3,101	737	0.938%	0.871%	1.221%	0.02	0.02	0.02	0.03	0.03	0.02	0.06	0.06	0.09	0.09	0.06	0.09
IN	2,294	2,099	195	0.044%	0.048%	0.000%	0.07	0.07		0.07	0.07		0.07	0.07		0.07	0.07	
KY	2,368	632	1,736	0.465%	0.158%	0.576%	0.02	0.1	0.02	0.1	0.1	0.1	0.2	0.1	0.27	0.34	0.1	0.34
MA	3,024	2,229	795	0.198%	0.135%	0.377%	0.02	0.02	0.02	0.03	0.04	0.02	0.44	0.44	0.1	0.44	0.44	0.1
MD	2,806	1,727	1,079	0.570%	0.579%	0.556%	0.01	0.1	0.01	0.1	0.1	0.06	0.14	0.1	0.18	0.18	0.1	0.18
ME	290	253	37	0.000%	0.000%	0.000%												
MI	309	181	128	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	324	194	130	0.000%	0.000%	0.000%												
MT	2,992	2,694	298	0.067%	0.037%	0.336%	0.15	0.15	0.2	0.175	0.15	0.2	0.2	0.15	0.2	0.2	0.15	0.2
NC	13,168	12,083	1,085	0.076%	0.066%	0.184%	0.02	0.02	0.03	0.07	0.07	0.11	0.22	0.25	0.19	0.25	0.25	0.19
ND	51	26	25	0.000%	0.000%	0.000%												
NE	4,480	4,131	349	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.048%	0.052%	0.000%	0.1	0.1		0.18	0.18		0.26	0.26		0.26	0.26	
NJ	41	33	8	0.000%	0.000%	0.000%												
NM	4,568	4,303	265	0.066%	0.023%	0.755%	0.18	0.18	0.54	0.54	0.18	0.54	0.54	0.18	0.54	0.54	0.18	0.54
NV	1,615	1,180	435	0.124%	0.000%	0.460%	0.03		0.03	0.045		0.045	0.06		0.06	0.06		0.06
NY	2,782	2,068	714	0.036%	0.048%	0.000%	0.19	0.19		0.19	0.19		0.19	0.19		0.19	0.19	
OH	897	648	249	0.111%	0.000%	0.402%	0.02		0.02	0.02		0.02	0.02		0.02	0.02		0.02
OK																		
OR	2,067	1,583	484	0.048%	0.063%	0.000%	0.007	0.007		0.007	0.007		0.007	0.007		0.007	0.007	
RI	916	623	293	1.310%	0.482%	3.072%	0.11	0.13	0.11	0.15	0.15	0.15	0.18	0.18	0.25	0.25	0.18	0.25
SC	3,061	2,687	374	0.033%	0.037%	0.000%	0.07	0.07		0.07	0.07		0.07	0.07		0.07	0.07	
SD	956	847	109	0.000%	0.000%	0.000%												
TN	86	30	56	0.000%	0.000%	0.000%												
TX	10,269	4,527	5,742	0.000%	0.000%	0.000%												
UT	7,089	5,911	1,178	0.000%	0.000%	0.000%												
VA	488	177	311	0.820%	2.260%	0.000%	0.1	0.1		0.15	0.15		0.4	0.4		0.4	0.4	
VT	1,324	1,122	202	0.302%	0.357%	0.000%	0.01	0.01		0.01	0.01		0.1	0.1		0.1	0.1	
WI	1,392	1,337	55	0.072%	0.075%	0.000%	0.03	0.03		0.03	0.03		0.03	0.03		0.03	0.03	
WV	633	328	305	1.896%	2.134%	1.639%	0.02	0.09	0.02	0.09	0.09	0.09	0.2	0.12	0.5	0.5	0.12	0.5
WY	1,278	962	316	0.000%	0.000%	0.000%												
Total	119,871	92,473	27,398	0.142%	0.124%	0.201%	0.007	0.007	0.01	0.07	0.06	0.1	0.2	0.18	0.34	1	1	0.54

Table A9b. Benzo[a]pyrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	12	7	5	245,571	13,636	231,935	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	181	134	47	3,561,828	783,747	2,778,081	0.552%	0.000%	2.128%	6.899%	0.000%	8.845%
AR	454	382	72	2,453,348	910,322	1,543,026	0.441%	0.524%	0.000%	0.160%	0.431%	0.000%
AZ	932	884	48	6,077,394	2,706,803	3,370,591	1.180%	1.244%	0.000%	1.141%	2.563%	0.000%
CA	1,248	1,003	245	33,260,784	11,815,880	21,444,904	0.160%	0.199%	0.000%	0.005%	0.015%	0.000%
CO	798	580	218	4,983,378	519,459	4,463,919	0.376%	0.517%	0.000%	0.026%	0.252%	0.000%
CT	651	614	37	2,588,823	261,556	2,327,267	0.922%	0.814%	2.703%	1.569%	1.743%	1.550%
DE	231	228	3	632,320	350,920	281,400	0.433%	0.000%	33.333%	22.141%	0.000%	49.751%
FL	1,325	1,304	21	16,797,224	14,555,604	2,241,620	0.453%	0.460%	0.000%	15.786%	18.217%	0.000%
GA	294	280	14	974,583	282,561	692,022	0.340%	0.000%	7.143%	0.274%	0.000%	0.386%
HI												
IA	1,056	1,023	33	2,543,237	1,434,611	1,108,626	0.189%	0.196%	0.000%	1.045%	1.853%	0.000%
ID	852	798	54	1,067,176	820,768	246,408	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,082	984	98	9,085,023	2,890,945	6,194,078	3.050%	2.541%	8.163%	3.144%	3.677%	2.896%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.071%	0.074%	0.000%	0.002%	0.003%	0.000%
KY	242	93	149	4,602,489	375,460	4,227,029	3.719%	1.075%	5.369%	29.029%	0.557%	31.558%
MA	642	525	117	8,482,868	1,680,486	6,802,382	0.779%	0.571%	1.709%	2.450%	0.017%	3.052%
MD	862	794	68	4,906,096	907,989	3,998,107	1.624%	1.259%	5.882%	72.257%	0.801%	88.485%
ME	179	155	24	482,407	112,465	369,942	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	89	62	27	5,100,237	379,121	4,721,116	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	226	157	69	928,947	284,141	644,806	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.246%	0.133%	1.667%	4.176%	0.083%	7.934%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.423%	0.359%	1.460%	6.376%	0.262%	8.433%
ND	12	6	6	25,377	18,348	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.162%	0.167%	0.000%	0.827%	1.976%	0.000%
NJ	36	30	6	1,444,605	143,223	1,301,382	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	694	658	36	1,661,547	1,398,649	262,898	0.288%	0.152%	2.778%	4.381%	0.007%	27.654%
NV	294	273	21	961,367	271,476	689,891	0.680%	0.000%	9.524%	1.456%	0.000%	2.029%
NY	1,264	1,043	221	4,879,789	946,878	3,932,911	0.079%	0.096%	0.000%	0.082%	0.422%	0.000%
OH	310	233	77	6,600,708	622,035	5,978,673	0.323%	0.000%	1.299%	0.727%	0.000%	0.803%
OK												
OR	1,088	938	150	2,937,559	572,809	2,364,750	0.092%	0.107%	0.000%	0.022%	0.113%	0.000%
RI	105	97	8	902,560	163,122	739,438	2.857%	1.031%	25.000%	13.226%	0.067%	16.129%
SC	782	723	59	3,439,550	812,767	2,626,783	0.128%	0.138%	0.000%	0.006%	0.027%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	15	6	9	1,439,720	848,945	590,775	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	1,883	1,546	337	21,494,935	5,731,435	15,763,500	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,671	1,667,485	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	178	69	109	2,179,119	28,420	2,150,699	1.685%	4.348%	0.000%	0.084%	6.464%	0.000%
VT	443	410	33	433,067	181,903	251,164	0.903%	0.976%	0.000%	0.824%	1.962%	0.000%
WI	922	903	19	3,201,690	1,581,206	1,620,484	0.108%	0.111%	0.000%	0.001%	0.003%	0.000%
WV	339	195	144	1,358,655	205,557	1,153,098	2.950%	3.590%	2.083%	0.791%	0.672%	0.812%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	28,578	25,566	3,012	184,144,163	65,074,173	119,069,990	0.490%	0.399%	1.262%	5.057%	4.456%	5.385%



Table A9c. Benzo[a]pyrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.2 µg/L			Percent of Systems with At Least One Detection > 0.2 µg/L			Population Served by Systems with At Least One Detection > 0.2 µg/L			Percent of Population Served with At Least One Detection > 0.2 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	1	1	0	0.220%	0.262%	0.000%	1,964	1,964	0	0.080%	0.216%	0.000%
AZ	1	1	0	0.107%	0.113%	0.000%	5,005	5,005	0	0.082%	0.185%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	3	3	0	0.376%	0.517%	0.000%	1,308	1,308	0	0.026%	0.252%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.340%	0.000%	7.143%	2,671	0	2,671	0.274%	0.000%	0.386%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	54,887	0	54,887	1.193%	0.000%	1.298%
MA	1	1	0	0.156%	0.190%	0.000%	60	60	0	0.001%	0.004%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	950	950	0	0.014%	0.055%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	1	1	0	0.081%	0.084%	0.000%	1,750	1,750	0	0.185%	0.442%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	1	0	1	0.144%	0.000%	2.778%	72,701	0	72,701	4.376%	0.000%	27.654%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	1	0	1	0.952%	0.000%	12.500%	68,263	0	68,263	7.563%	0.000%	9.232%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.562%	1.449%	0.000%	1,050	1,050	0	0.048%	3.695%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	0	1	0.295%	0.000%	0.694%	4,374	0	4,374	0.322%	0.000%	0.379%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	14	9	5	0.049%	0.035%	0.166%	214,983	12,087	202,896	0.117%	0.019%	0.170%

Table A9d. Benzo[a]pyrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	0	1	0.552%	0.000%	2.128%	245,727	0	245,727	6.899%	0.000%	8.845%
AR	2	2	0	0.441%	0.524%	0.000%	3,927	3,927	0	0.160%	0.431%	0.000%
AZ	2	2	0	0.215%	0.226%	0.000%	37,296	37,296	0	0.614%	1.378%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	3	3	0	0.376%	0.517%	0.000%	1,308	1,308	0	0.026%	0.252%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.340%	0.000%	7.143%	2,671	0	2,671	0.274%	0.000%	0.386%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	6	1	5	2.479%	1.075%	3.356%	429,804	2,092	427,712	9.339%	0.557%	10.119%
MA	2	1	1	0.312%	0.190%	0.855%	163,881	60	163,821	1.932%	0.004%	2.408%
MD	13	10	3	1.508%	1.259%	4.412%	1,834,995	7,276	1,827,719	37.402%	0.801%	45.715%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	2	1	1	0.246%	0.133%	1.667%	31,455	300	31,155	4.176%	0.083%	7.934%
NC	4	3	1	0.169%	0.135%	0.730%	5,016	2,121	2,895	0.073%	0.122%	0.056%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	2	2	0	0.162%	0.167%	0.000%	7,825	7,825	0	0.827%	1.976%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	2	1	1	0.288%	0.152%	2.778%	72,793	92	72,701	4.381%	0.007%	27.654%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.079%	0.096%	0.000%	4,000	4,000	0	0.082%	0.422%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	3	1	2	2.857%	1.031%	25.000%	119,372	109	119,263	13.226%	0.067%	16.129%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	3	3	0	1.685%	4.348%	0.000%	1,837	1,837	0	0.084%	6.464%	0.000%
VT	1	1	0	0.226%	0.244%	0.000%	308	308	0	0.071%	0.169%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	5	3	2	1.475%	1.538%	1.389%	6,944	770	6,174	0.511%	0.375%	0.535%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	53	35	18	0.185%	0.137%	0.598%	2,969,159	69,321	2,899,838	1.612%	0.107%	2.435%

Table A10. Beryllium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.004 mg/L	44,015	41	0.093%	84,495,418	148,433	0.176%
	≥ 0.002 mg/L	44,015	202	0.459%	84,495,418	1,453,696	1.720%
Surface Water	> 0.004 mg/L	4,006	12	0.300%	136,888,401	2,918,844	2.132%
	≥ 0.002 mg/L	4,006	48	1.198%	136,888,401	4,332,647	3.165%
Combined Ground & Surface Water	> 0.004 mg/L	48,021	53	0.110%	221,383,819	3,067,277	1.386%
	≥ 0.002 mg/L	48,021	250	0.521%	221,383,819	5,786,343	2.614%

Table A10a. Beryllium – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1,493	1,060	433	1.005%	0.943%	1.155%	0.00013	0.00013	0.00079	0.0009	0.0006	0.0016	0.002	0.0019	0.0021	0.0021	0.002	0.0021
AL	2,648	1,805	843	1.095%	0.554%	2.254%	0.00008	0.001	0.00008	0.001	0.001	0.001	0.002	0.0035	0.002	0.005	0.005	0.002
AR	2,164	1,503	661	0.046%	0.000%	0.151%	0.002		0.002	0.002		0.002	0.002		0.002	0.002		0.002
AZ	6,329	4,958	1,371	0.442%	0.444%	0.438%	0.0001	0.0001	0.0001	0.001	0.001	0.00185	0.004	0.002	0.005	0.005	0.004	0.005
CA	35,134	20,685	14,449	0.507%	0.503%	0.512%	2.1E-05	2.1E-05	2.1E-05	0.001	0.001	0.001	0.00218	0.002	0.003	0.03	0.006	0.03
CO	4,378	2,329	2,049	1.782%	2.276%	1.220%	4.8E-05	0.00008	4.8E-05	0.001	0.001	0.0008	0.002	0.002	0.002	0.004	0.004	0.002
CT	2,223	1,838	385	0.720%	0.871%	0.000%	0.0002	0.0002		0.0015	0.0015		0.004	0.004		0.01	0.01	
DE	691	643	48	14.616%	15.708%	0.000%	0.0001	0.0001		0.0005	0.0005		0.0011	0.0011		0.0025	0.0025	
FL	2,146	2,077	69	9.599%	9.870%	1.449%	0.0001	0.0001	0.0002	0.0001	0.0001	0.0002	0.001	0.001	0.0002	0.0053	0.0053	0.0002
GA	2,706	2,382	324	0.000%	0.000%	0.000%												
HI	1,177	1,115	62	0.000%	0.000%	0.000%												
IA	50	31	19	0.000%	0.000%	0.000%												
ID	3,095	2,812	283	1.551%	1.600%	1.060%	0.0002	0.0002	0.0004	0.0005	0.0005	0.0004	0.0031	0.0031	0.0007	0.01	0.01	0.0007
IL	2,783	2,384	399	0.467%	0.461%	0.501%	0.001	0.001	0.001	0.001	0.0016	0.001	0.003	0.003	0.001	0.004	0.004	0.001
IN	4,716	4,235	481	2.990%	3.093%	2.079%	3.7E-05	3.7E-05	0.0001	0.0003	0.0003	0.0003	0.001	0.0008	0.00215	0.007	0.007	0.003
KY	1,781	534	1,247	2.134%	2.060%	2.165%	0.0001	0.0001	0.0002	0.001	0.002	0.001	0.003	0.0025	0.003	0.05	0.003	0.05
MA	2,971	2,004	967	1.548%	1.597%	1.448%	0.0002	0.0002	0.0003	0.001	0.001	0.001	0.0032	0.0026	0.004	0.004	0.004	0.004
MD	5,075	3,964	1,111	0.611%	0.681%	0.360%	0.0001	0.0004	0.0001	0.001	0.001	0.01525	0.0032	0.002	0.03	0.03	0.004	0.03
ME	2,313	1,928	385	1.167%	1.193%	1.039%	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0005	0.0005	0.0003	0.0035	0.0035	0.0003
MI	6,727	6,548	179	2.661%	2.703%	1.117%	0.0001	0.0001	0.0001	0.0001	0.0001	0.00015	0.0002	0.0002	0.0002	0.002	0.002	0.0002
MN	4,436	4,357	79	0.045%	0.046%	0.000%	0.00065	0.00065		0.00133	0.00133		0.002	0.002		0.002	0.002	
MO	5,682	4,907	775	0.070%	0.082%	0.000%	0.00106	0.00106		0.00112	0.00112		0.00182	0.00182		0.00182	0.00182	
MT	3,185	2,838	347	0.283%	0.247%	0.576%	0.0001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
NC	9,208	7,773	1,435	1.205%	1.248%	0.976%	0.0001	0.0001	0.0004	0.001	0.001	0.002	0.0027	0.003	0.0027	0.005	0.005	0.0027
ND	345	303	42	1.739%	1.650%	2.381%	0.00073	0.00073	0.00149	0.00308	0.00375	0.00149	0.0045	0.0045	0.00149	0.0045	0.0045	0.00149
NE	2,977	2,868	109	0.000%	0.000%	0.000%												
NH	3,082	2,918	164	6.100%	6.443%	0.000%	0.0004	0.0004		0.0033	0.0033		0.01	0.01		0.02	0.02	
NJ	6,572	5,851	721	0.776%	0.735%	1.110%	0.0001	0.0001	0.00026	0.001	0.001	0.0006	0.004	0.004	0.002	0.05	0.05	0.002
NM	3,519	3,193	326	0.796%	0.752%	1.227%	0.0002	0.0002	0.0002	0.002	0.006	0.0003	0.01	0.01	0.0004	0.02	0.02	0.0004
NV	2,113	1,550	563	0.615%	0.516%	0.888%	0.00023	0.00023	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.002	0.002	0.001
NY	3,292	2,493	799	0.608%	0.682%	0.375%	0.00006	0.00006	0.002	0.00125	0.001	0.002	0.00285	0.002	0.004	0.004	0.0037	0.004
OH	4,628	3,991	637	0.454%	0.476%	0.314%	0.00022	0.00022	0.00038	0.00035	0.00032	0.00069	0.001	0.0011	0.001	0.00177	0.00177	0.001
OK	393	330	63	0.254%	0.000%	1.587%	0.0013		0.0013	0.0013		0.0013	0.0013		0.0013	0.0013		0.0013
OR	1,312	953	359	0.076%	0.105%	0.000%	0.0025	0.0025		0.0025	0.0025		0.0025	0.0025		0.0025	0.0025	
RI	860	633	227	7.791%	10.111%	1.322%	0.0002	0.0002	0.0002	0.0004	0.0004	0.0002	0.0017	0.0017	0.0004	0.0054	0.0054	0.0004
SC	3,077	2,664	413	0.422%	0.488%	0.000%	0.001	0.001		0.004	0.004		0.0054	0.0054		0.0084	0.0084	
SD	388	359	29	0.515%	0.557%	0.000%	0.003	0.003		0.0035	0.0035		0.004	0.004		0.004	0.004	
TN	1,895	668	1,227	2.902%	4.790%	1.874%	0.00003	0.0003	0.00003	0.0004	0.0004	0.00038	0.001	0.0014	0.00074	0.14	0.14	0.0021
TX	14,911	12,329	2,582	0.027%	0.032%	0.000%	0.001	0.001		0.00335	0.00335		0.004	0.004		0.004	0.004	
UT	6,937	5,434	1,503	0.764%	0.074%	3.260%	0.0002	0.0003	0.0002	0.001	0.0009	0.001	0.0017	0.0021	0.0017	0.01	0.0021	0.01
VA	2,803	2,195	608	0.606%	0.729%	0.164%	0.0005	0.0005	0.002	0.002	0.002	0.002	0.01	0.01	0.002	0.03	0.03	0.002
VT	2,119	1,773	346	0.236%	0.282%	0.000%	0.0003	0.0003		0.001	0.001		0.004	0.004		0.004	0.004	
WI	6,992	6,821	171	5.335%	5.454%	0.585%	2.2E-05	2.2E-05	0.0002	0.00009	0.00009	0.0002	0.00053	0.00053	0.0002	0.004	0.004	0.0002
WV	1,122	420	702	3.209%	4.762%	2.279%	0.0001	0.00012	0.0001	0.001	0.001	0.001	0.0011	0.001	0.007	0.01	0.001	0.01
WY	1,127	876	251	0.799%	0.799%	0.797%	0.0005	0.0005	0.0006	0.0007	0.0007	0.00085	0.003	0.003	0.0011	0.003	0.003	0.0011
Total	183,575	143,332	40,243	1.233%	1.348%	0.825%	2.1E-05	2.1E-05	2.1E-05	0.0005	0.0004	0.001	0.003	0.003	0.002	0.14	0.14	0.05

Table A10b. Beryllium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	610	467	143	592,922	230,950	361,972	2.459%	2.141%	3.497%	8.605%	21.565%	0.336%
AL	352	279	73	4,701,100	1,463,066	3,238,034	4.830%	2.151%	15.068%	26.150%	1.913%	37.102%
AR	453	381	72	2,452,800	909,774	1,543,026	0.221%	0.000%	1.389%	0.013%	0.000%	0.021%
AZ	1,051	1,003	48	6,158,655	2,788,064	3,370,591	1.998%	1.595%	10.417%	32.913%	1.173%	59.167%
CA	3,750	3,232	518	36,248,264	13,499,435	22,748,829	1.813%	1.454%	4.054%	10.064%	11.304%	9.328%
CO	838	617	221	4,998,506	533,275	4,465,231	6.325%	5.997%	7.240%	17.833%	3.198%	19.581%
CT	1,170	1,131	39	2,716,176	382,254	2,333,922	1.368%	1.415%	0.000%	0.105%	0.748%	0.000%
DE	281	278	3	679,823	398,423	281,400	22.420%	22.662%	0.000%	18.969%	32.366%	0.000%
FL	1,335	1,309	26	17,374,897	15,128,855	2,246,042	11.011%	11.154%	3.846%	28.888%	33.158%	0.126%
GA	1,593	1,479	114	7,242,523	1,350,192	5,892,331	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	107	95	12	1,303,767	1,249,139	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	26	17	9	550,757	40,080	510,677	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	924	875	49	1,078,426	833,516	244,910	4.329%	4.343%	4.082%	15.564%	18.388%	5.952%
IL	1,241	1,140	101	9,078,639	2,879,411	6,199,228	0.967%	0.877%	1.980%	41.167%	0.984%	59.831%
IN	1,623	1,574	49	4,980,057	2,619,602	2,360,455	7.394%	7.116%	16.327%	15.905%	12.690%	19.472%
KY	242	93	149	4,602,489	375,460	4,227,029	12.810%	9.677%	14.765%	30.400%	27.072%	30.696%
MA	676	558	118	8,525,575	1,718,151	6,807,424	4.290%	3.943%	5.932%	44.526%	6.093%	54.227%
MD	1,038	970	68	5,022,488	1,024,381	3,998,107	2.505%	2.371%	4.412%	39.893%	28.140%	42.905%
ME	802	748	54	727,134	291,530	435,604	3.367%	3.075%	7.407%	2.585%	1.392%	3.383%
MI	3,033	2,980	53	6,717,830	1,925,399	4,792,431	5.407%	5.436%	3.774%	9.781%	15.642%	7.426%
MN	1,593	1,564	29	4,265,162	3,015,521	1,249,641	0.126%	0.128%	0.000%	0.500%	0.708%	0.000%
MO	1,421	1,344	77	3,006,743	1,692,282	1,314,461	0.281%	0.298%	0.000%	0.206%	0.366%	0.000%
MT	849	789	60	757,930	365,261	392,669	0.824%	0.760%	1.667%	5.358%	2.588%	7.934%
NC	2,284	2,145	139	6,973,609	1,708,443	5,265,166	4.291%	4.009%	8.633%	11.011%	7.487%	12.155%
ND	217	190	27	563,069	257,844	305,225	2.765%	2.632%	3.704%	0.524%	0.999%	0.122%
NE	743	732	11	1,450,223	673,743	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,216	1,175	41	942,517	392,718	549,799	1.645%	1.702%	0.000%	0.405%	0.971%	0.000%
NJ	1,374	1,337	37	7,762,423	2,726,477	5,035,946	3.275%	2.842%	18.919%	18.075%	9.738%	22.588%
NM	724	685	39	1,667,433	1,400,885	266,548	1.519%	1.460%	2.564%	28.874%	33.597%	4.052%
NV	335	314	21	973,342	283,451	689,891	2.985%	2.229%	14.286%	40.492%	0.936%	56.744%
NY	1,551	1,315	236	4,377,347	1,214,207	3,163,140	1.225%	1.293%	0.847%	1.469%	4.159%	0.437%
OH	1,931	1,806	125	10,224,557	3,129,620	7,094,937	1.036%	0.997%	1.600%	2.281%	0.419%	3.102%
OK	182	166	16	679,606	268,651	410,955	0.549%	0.000%	6.250%	0.221%	0.000%	0.365%
OR	731	610	121	2,770,064	486,818	2,283,246	0.137%	0.164%	0.000%	0.002%	0.009%	0.000%
RI	143	134	9	913,584	173,606	739,978	19.580%	19.403%	22.222%	11.416%	44.411%	3.674%
SC	800	735	65	3,464,762	806,235	2,658,527	1.500%	1.633%	0.000%	0.599%	2.576%	0.000%
SD	234	223	11	339,259	247,298	91,961	0.855%	0.897%	0.000%	0.040%	0.055%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	10.826%	10.494%	11.111%	13.378%	7.009%	15.584%
TX	4,930	4,587	343	25,070,435	9,285,450	15,784,985	0.061%	0.065%	0.000%	0.001%	0.002%	0.000%
UT	507	457	50	2,543,652	1,686,017	857,635	0.986%	0.875%	2.000%	12.644%	0.570%	36.379%
VA	1,582	1,414	168	4,803,450	634,384	4,169,066	0.822%	0.849%	0.595%	0.155%	0.771%	0.061%
VT	601	558	43	490,989	227,021	263,968	0.666%	0.717%	0.000%	0.167%	0.362%	0.000%
WI	1,822	1,802	20	4,043,916	2,352,172	1,691,744	14.160%	14.262%	5.000%	6.055%	9.951%	0.638%
WV	451	290	161	1,415,477	234,687	1,180,790	7.095%	6.897%	7.453%	2.837%	1.698%	3.063%
WY	304	255	49	446,184	129,168	317,016	2.632%	2.353%	4.082%	3.464%	1.059%	4.443%
Total	48,021	44,015	4,006	221,383,819	84,495,418	136,888,401	3.117%	2.992%	4.493%	13.780%	11.296%	15.313%

Table A10c. Beryllium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.004 mg/L			Percent of Systems with At Least One Detection > 0.004 mg/L			Population Served by Systems with At Least One Detection > 0.004 mg/L			Percent of Population Served with At Least One Detection > 0.004 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	1	0	0.284%	0.358%	0.000%	450	450	0	0.010%	0.031%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	2	0	2	0.190%	0.000%	4.167%	700	0	700	0.011%	0.000%	0.021%
CA	6	1	5	0.160%	0.031%	0.965%	5,079	273	4,806	0.014%	0.002%	0.021%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.085%	0.088%	0.000%	48	48	0	0.002%	0.013%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.075%	0.076%	0.000%	56,055	56,055	0	0.323%	0.371%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	3	3	0	0.325%	0.343%	0.000%	49,871	49,871	0	4.624%	5.983%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	4	4	0	0.246%	0.254%	0.000%	1,044	1,044	0	0.021%	0.040%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	886,428	0	886,428	19.260%	0.000%	20.970%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	0	1	0.096%	0.000%	1.471%	1,710,000	0	1,710,000	34.047%	0.000%	42.770%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	3	0	0.131%	0.140%	0.000%	1,587	1,587	0	0.023%	0.093%	0.000%
ND	2	2	0	0.922%	1.053%	0.000%	792	792	0	0.141%	0.307%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	11	11	0	0.905%	0.936%	0.000%	1,432	1,432	0	0.152%	0.365%	0.000%
NJ	4	4	0	0.291%	0.299%	0.000%	16,984	16,984	0	0.219%	0.623%	0.000%
NM	1	1	0	0.138%	0.146%	0.000%	300	300	0	0.018%	0.021%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	1	1	0	0.699%	0.746%	0.000%	25	25	0	0.003%	0.014%	0.000%
SC	5	5	0	0.625%	0.680%	0.000%	18,888	18,888	0	0.545%	2.343%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	1	0	0.285%	0.617%	0.000%	500	500	0	0.009%	0.034%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	1	0	1	0.197%	0.000%	2.000%	312,000	0	312,000	12.266%	0.000%	36.379%
VA	2	2	0	0.126%	0.141%	0.000%	184	184	0	0.004%	0.029%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	0	2	0.443%	0.000%	1.242%	4,910	0	4,910	0.347%	0.000%	0.416%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	53	41	12	0.110%	0.093%	0.300%	3,067,277	148,433	2,918,844	1.386%	0.176%	2.132%

Table A10d. Beryllium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.002$ mg/L			Percent of Systems with At Least One Detection $\geq 0.002$ mg/L			Population Served by Systems with At Least One Detection $\geq 0.002$ mg/L			Percent of Population Served with At Least One Detection $\geq 0.002$ mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3	1	2	0.492%	0.214%	1.399%	47,943	47,290	653	8.086%	20.476%	0.180%
AL	5	2	3	1.420%	0.717%	4.110%	130,453	2,131	128,322	2.775%	0.146%	3.963%
AR	1	0	1	0.221%	0.000%	1.389%	322	0	322	0.013%	0.000%	0.021%
AZ	9	6	3	0.856%	0.598%	6.250%	312,265	11,565	300,700	5.070%	0.415%	8.921%
CA	20	11	9	0.533%	0.340%	1.737%	619,385	144,012	475,373	1.709%	1.067%	2.090%
CO	9	6	3	1.074%	0.972%	1.357%	304,648	2,648	302,000	6.095%	0.497%	6.763%
CT	8	8	0	0.684%	0.707%	0.000%	2,077	2,077	0	0.076%	0.543%	0.000%
DE	3	3	0	1.068%	1.079%	0.000%	1,250	1,250	0	0.184%	0.314%	0.000%
FL	4	4	0	0.300%	0.306%	0.000%	239,239	239,239	0	1.377%	1.581%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	6	6	0	0.649%	0.686%	0.000%	65,695	65,695	0	6.092%	7.882%	0.000%
IL	5	5	0	0.403%	0.439%	0.000%	10,837	10,837	0	0.119%	0.376%	0.000%
IN	9	8	1	0.555%	0.508%	2.041%	115,821	114,037	1,784	2.326%	4.353%	0.076%
KY	11	5	6	4.545%	5.376%	4.027%	957,616	1,456	956,160	20.806%	0.388%	22.620%
MA	12	8	4	1.775%	1.434%	3.390%	144,576	76,370	68,206	1.696%	4.445%	1.002%
MD	8	7	1	0.771%	0.722%	1.471%	1,711,392	1,392	1,710,000	34.075%	0.136%	42.770%
ME	1	1	0	0.125%	0.134%	0.000%	190	190	0	0.026%	0.065%	0.000%
MI	1	1	0	0.033%	0.034%	0.000%	150	150	0	0.002%	0.008%	0.000%
MN	1	1	0	0.063%	0.064%	0.000%	21,000	21,000	0	0.492%	0.696%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	35	29	6	1.532%	1.352%	4.317%	57,304	24,166	33,138	0.822%	1.415%	0.629%
ND	4	4	0	1.843%	2.105%	0.000%	2,430	2,430	0	0.432%	0.942%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	19	19	0	1.563%	1.617%	0.000%	3,783	3,783	0	0.401%	0.963%	0.000%
NJ	14	13	1	1.019%	0.972%	2.703%	101,806	101,676	130	1.312%	3.729%	0.003%
NM	5	5	0	0.691%	0.730%	0.000%	461,146	461,146	0	27.656%	32.918%	0.000%
NV	2	2	0	0.597%	0.637%	0.000%	153	153	0	0.016%	0.054%	0.000%
NY	8	6	2	0.516%	0.456%	0.847%	59,147	45,320	13,827	1.351%	3.732%	0.437%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	1	1	0	0.137%	0.164%	0.000%	42	42	0	0.002%	0.009%	0.000%
RI	5	5	0	3.497%	3.731%	0.000%	38,552	38,552	0	4.220%	22.207%	0.000%
SC	11	11	0	1.375%	1.497%	0.000%	20,367	20,367	0	0.588%	2.526%	0.000%
SD	2	2	0	0.855%	0.897%	0.000%	135	135	0	0.040%	0.055%	0.000%
TN	3	2	1	0.855%	1.235%	0.529%	31,242	8,788	22,454	0.550%	0.601%	0.532%
TX	2	2	0	0.041%	0.044%	0.000%	52	52	0	0.000%	0.001%	0.000%
UT	2	1	1	0.394%	0.219%	2.000%	312,118	118	312,000	12.270%	0.007%	36.379%
VA	11	10	1	0.695%	0.707%	0.595%	6,446	3,908	2,538	0.134%	0.616%	0.061%
VT	1	1	0	0.166%	0.179%	0.000%	468	468	0	0.095%	0.206%	0.000%
WI	5	5	0	0.274%	0.277%	0.000%	1,218	1,218	0	0.030%	0.052%	0.000%
WV	3	0	3	0.665%	0.000%	1.863%	5,040	0	5,040	0.356%	0.000%	0.427%
WY	1	1	0	0.329%	0.392%	0.000%	35	35	0	0.008%	0.027%	0.000%
Total	250	202	48	0.521%	0.459%	1.198%	5,786,343	1,453,696	4,332,647	2.614%	1.720%	3.165%

Table A11. Beta Particles – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 50 pCi/L	12,505	68	0.544%	31,262,033	540,849	1.730%
	≥ 25 pCi/L	12,505	302	2.415%	31,262,033	1,662,946	5.319%
Surface Water	> 50 pCi/L	1,726	7	0.406%	89,012,891	936,487	1.052%
	≥ 25 pCi/L	1,726	33	1.912%	89,012,891	7,998,101	8.985%
Combined Ground & Surface Water	> 50 pCi/L	14,231	75	0.527%	120,274,924	1,477,336	1.228%
	≥ 25 pCi/L	14,231	335	2.354%	120,274,924	9,661,047	8.032%



Table A11a. Beta Particles – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (pCi/L)			Median Detect Concentration (pCi/L)			90th Percentile Detect Concentration (pCi/L)			Maximum Detect Concentration (pCi/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	204	156	48	89.216%	89.744%	87.500%	0.00001	0.00001	0.08	2.7	2.95	1.6	7.3	7.5	4.4	10	10	5.7
AL	375	215	160	49.067%	47.442%	51.250%	0.003	0.009	0.003	2.8	3.2	2.35	5	5.3	4.4	29.1	29.1	7.67
AR	2,521	1,908	613	46.886%	46.751%	47.308%	0.1	0.1	0.1	2.3	2.6	1.9	5	5.5	3.6	18	18	12
AZ	375	92	283	0.000%	0.000%	0.000%												
CA	5,499	1,685	3,814	64.321%	73.531%	60.252%	0.01	0.01	0.01	3.74	3.29	4.02	9	8.4	9.06	488	72	488
CO	2,303	1,658	645	72.384%	74.427%	67.132%	0.04	0.1	0.04	5	6	3.2	18	20.02	9	310	310	180
CT	232	195	37	55.172%	56.410%	48.649%	0.38	1.14	0.38	5.785	6.485	1.27	14.5	16.3	3.36	272.3	272.3	7.42
DE	24	0	24	29.167%	0.000%	29.167%	2.8		2.8	4.7		4.7	6.42		6.42	6.42		6.42
FL																		
GA																		
HI																		
IA	9	3	6	88.889%	100.000%	83.333%	2.3	5.5	2.3	4.7	8.5	2.9	13.1	13.1	8.9	13.1	13.1	8.9
ID	1,774	1,500	274	94.589%	94.733%	93.796%	0.01	0.1	0.01	5.7	6	3.9	16.4	17.7	10.3	183.1	183.1	26.9
IL	7,490	6,972	518	74.593%	74.068%	81.660%	1	1	1	11	12	4	26	26	8	92	92	13
IN	128	128	0	97.656%	97.656%	0.000%	0.1	0.1		2.2	2.2		7.3	7.3		17.1	17.1	
KY	68	10	58	92.647%	80.000%	94.828%	1.1	1.7	1.1	2.9	6.15	2.8	4.5	54	4.2	54	54	7.9
MA	558	333	225	87.097%	90.390%	82.222%	0.1	0.1	0.1	5	5.5	4.29	26	27.1	23	140	140	54
MD	1,709	1,357	352	71.913%	75.903%	56.534%	1	1	1	5	6	3	13	13	6	72	72	60
ME																		
MI																		
MN	1,121	1,098	23	93.310%	93.716%	73.913%	0.62	0.62	0.93	5.2	5.3	2.6	13.8	13.9	3.8	34	34	5.5
MO	63	63	0	82.540%	82.540%	0.000%	1.2	1.2		2.95	2.95		5.4	5.4		22.8	22.8	
MT	17	13	4	70.588%	69.231%	75.000%	0.79	1.2	0.79	2.85	4	2	9.6	11	2.7	11	11	2.7
NC	8,111	7,588	523	42.892%	42.818%	43.977%	0.02	0.02	0.06	5.21	5.44	2.44	13.75	14.23	5.4	340.5	340.5	11.8
ND																		
NE																		
NH																		
NJ	53	21	32	100.000%	100.000%	100.000%	0.09	1.4	0.09	3.5	5.2	2.75	16	16	15	136	136	103
NM	2,815	2,635	180	95.631%	95.863%	92.222%	0.1	0.1	0.3	5.3	5.535	2.8	15.47	15.92	6.5	86	86	43.8
NV	1,731	1,515	216	82.727%	84.158%	72.685%	0.02	0.02	0.02	5.9	6	4.5	12.7	13	9.5	102	102	16
NY	2,047	1,741	306	85.393%	85.181%	86.601%	0.02	0.02	0.08	3.4	3.8	2.2	9.1	9.4	5.3	228	228	28
OH	841	272	569	32.105%	26.838%	34.622%	1.03	1.03	1.15	5.595	5.88	5.53	8.515	10.4	8.3	20.7	18.2	20.7
OK																		
OR	53	38	15	60.377%	60.526%	60.000%	1.84	1.94	1.84	4.3	4.46	3.2	8.5	9.59	6.7	13.2	13.2	6.7
RI	362	304	58	77.348%	76.316%	82.759%	0.51	0.51	1.17	3.375	3.54	2.5	6.62	7	4.2	186.49	186.49	10.85
SC																		
SD	2	1	1	50.000%	0.000%	100.000%	12.2		12.2	12.2		12.2	12.2		12.2	12.2		12.2
TN																		
TX	12,450	10,943	1,507	45.944%	44.339%	57.598%	3.7	3.7	4	7.2	7.5	6.2	16.5	17.1	11.9	120.5	120.5	74.1
UT	3,029	2,506	523	70.221%	69.593%	73.231%	0.3	0.3	1	3	3	4	9	9	9	66	66	31
VA	1,489	1,234	255	99.328%	99.433%	98.824%	0.2	0.2	0.2	3.6	3.9	2.2	9	9.4	4.9	50.7	50.7	9.9
VT	3	3	0	66.667%	66.667%	0.000%	0.12	0.12		0.91	0.91		1.7	1.7		1.7	1.7	
WI	2,487	2,420	67	86.691%	86.529%	92.537%	0.03	0.03	0.8	3.5	3.5	7.35	12	12	14	106	106	21.3
WV	39	14	25	97.436%	100.000%	96.000%	0.5	0.9	0.5	2.05	2.05	2.1	3.9	3.7	6.4	8.7	3.9	8.7
WY	1	1	0	0.000%	0.000%	0.000%												
Total	59,983	48,622	11,361	64.488%	65.143%	61.685%	0.00001	0.00001	0.003	5.2	5.8	4	16.09	17.8	9.06	488	340.5	488

Table A11b. Beta Particles – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	65	47	18	41,281	24,253	17,028	86.154%	85.106%	88.889%	72.498%	66.969%	80.374%
AL	69	44	25	1,643,459	310,659	1,332,800	69.565%	61.364%	84.000%	91.404%	82.366%	93.510%
AR	372	310	62	2,125,964	754,780	1,371,184	94.086%	93.548%	96.774%	93.811%	86.594%	97.784%
AZ	22	14	8	2,687,913	146,838	2,541,075	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CA	312	179	133	22,507,285	4,121,434	18,385,851	88.141%	86.034%	90.977%	91.788%	81.824%	94.021%
CO	665	473	192	4,902,486	482,291	4,420,195	78.647%	79.704%	76.042%	88.923%	84.482%	89.408%
CT	50	44	6	1,354,974	45,804	1,309,170	88.000%	90.909%	66.667%	71.394%	89.453%	70.762%
DE	3	0	3	281,400	0	281,400	66.667%	0.000%	66.667%	87.161%	0.000%	87.161%
FL												
GA												
HI												
IA	6	3	3	486,665	27,140	459,525	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
ID	592	545	47	1,000,626	748,550	252,076	95.946%	95.963%	95.745%	94.012%	92.436%	98.692%
IL	1,067	977	90	5,275,541	2,904,400	2,371,141	61.949%	59.365%	90.000%	81.286%	73.105%	91.307%
IN	32	32	0	81,650	81,650	0	96.875%	96.875%	0.000%	94.080%	94.080%	0.000%
KY	22	3	19	1,836,280	9,101	1,827,179	90.909%	66.667%	94.737%	97.675%	46.511%	97.930%
MA	212	140	72	6,370,032	513,689	5,856,343	91.038%	89.286%	94.444%	97.526%	88.667%	98.303%
MD	515	458	57	4,891,537	898,753	3,992,784	84.660%	84.061%	89.474%	99.264%	97.989%	99.551%
ME												
MI												
MN	687	664	23	3,655,448	2,409,587	1,245,861	93.159%	93.825%	73.913%	94.232%	92.007%	98.536%
MO	50	50	0	10,302	10,302	0	88.000%	88.000%	0.000%	86.197%	86.197%	0.000%
MT	11	7	4	81,975	10,048	71,927	81.818%	85.714%	75.000%	98.933%	95.273%	99.444%
NC	1,660	1,534	126	6,726,126	1,512,232	5,213,894	71.265%	69.492%	92.857%	91.244%	77.199%	95.318%
ND												
NE												
NH												
NJ	37	16	21	3,704,577	186,696	3,517,881	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
NM	566	533	33	1,613,612	1,348,169	265,443	98.763%	98.687%	100.000%	99.936%	99.924%	100.000%
NV	212	195	17	909,274	243,678	665,596	91.509%	91.282%	94.118%	99.611%	98.793%	99.910%
NY	886	739	147	4,698,625	855,337	3,843,288	82.619%	82.003%	85.714%	61.883%	93.099%	54.936%
OH	300	181	119	7,721,824	840,967	6,880,857	48.333%	26.519%	81.513%	75.287%	28.879%	80.958%
OK												
OR	34	26	8	170,477	53,652	116,825	61.765%	57.692%	75.000%	94.376%	95.849%	93.700%
RI	63	55	8	885,694	146,256	739,438	95.238%	96.364%	87.500%	99.060%	99.854%	98.903%
SC												
SD	2	1	1	142,862	14,736	128,126	50.000%	0.000%	100.000%	89.685%	0.000%	100.000%
TN												
TX	3,989	3,662	327	24,786,365	9,009,970	15,776,395	53.422%	51.283%	77.370%	83.590%	68.318%	92.312%
UT	323	292	31	2,162,558	1,459,864	702,694	84.520%	86.301%	67.742%	95.945%	96.380%	95.042%
VA	574	480	94	3,916,167	270,517	3,645,650	99.652%	99.792%	98.936%	99.875%	99.959%	99.869%
VT	1	1	0	88	88	0	100.000%	100.000%	0.000%	100.000%	100.000%	0.000%
WI	798	786	12	3,233,657	1,763,714	1,469,943	94.737%	94.656%	100.000%	99.107%	98.362%	100.000%
WV	33	13	20	368,173	56,851	311,322	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
WY	1	1	0	27	27	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	14,231	12,505	1,726	120,274,924	31,262,033	89,012,891	74.513%	72.971%	85.689%	86.861%	80.112%	89.231%

Table A11c. Beta Particles – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 50 pCi/L			Percent of Systems with At Least One Detection > 50 pCi/L			Population Served by Systems with At Least One Detection > 50 pCi/L			Percent of Population Served with At Least One Detection > 50 pCi/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	4	2	2	1.282%	1.117%	1.504%	673,000	433,500	239,500	2.990%	10.518%	1.303%
CO	6	5	1	0.902%	1.057%	0.521%	4,738	4,038	700	0.097%	0.837%	0.016%
CT	2	2	0	4.000%	4.545%	0.000%	396	396	0	0.029%	0.865%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL												
GA												
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	4	4	0	0.676%	0.734%	0.000%	790	790	0	0.079%	0.106%	0.000%
IL	6	6	0	0.562%	0.614%	0.000%	6,533	6,533	0	0.124%	0.225%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	1	0	4.545%	33.333%	0.000%	2,303	2,303	0	0.125%	25.305%	0.000%
MA	5	4	1	2.358%	2.857%	1.389%	11,847	1,414	10,433	0.186%	0.275%	0.178%
MD	2	1	1	0.388%	0.218%	1.754%	4,675	675	4,000	0.096%	0.075%	0.100%
ME												
MI												
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	13	13	0	0.783%	0.847%	0.000%	5,296	5,296	0	0.079%	0.350%	0.000%
ND												
NE												
NH												
NJ	2	1	1	5.405%	6.250%	4.762%	681,154	4,900	676,254	18.387%	2.625%	19.223%
NM	7	7	0	1.237%	1.313%	0.000%	21,666	21,666	0	1.343%	1.607%	0.000%
NV	1	1	0	0.472%	0.513%	0.000%	180	180	0	0.020%	0.074%	0.000%
NY	3	3	0	0.339%	0.406%	0.000%	1,971	1,971	0	0.042%	0.230%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	1	1	0	1.587%	1.818%	0.000%	100	100	0	0.011%	0.068%	0.000%
SC												
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN												
TX	14	13	1	0.351%	0.355%	0.306%	21,177	15,577	5,600	0.085%	0.173%	0.035%
UT	1	1	0	0.310%	0.342%	0.000%	26,000	26,000	0	1.202%	1.781%	0.000%
VA	1	1	0	0.174%	0.208%	0.000%	590	590	0	0.015%	0.218%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	2	2	0	0.251%	0.254%	0.000%	14,920	14,920	0	0.461%	0.846%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	75	68	7	0.527%	0.544%	0.406%	1,477,336	540,849	936,487	1.228%	1.730%	1.052%

Table A11d. Beta Particles – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 25 pCi/L			Percent of Systems with At Least One Detection ≥ 25 pCi/L			Population Served by Systems with At Least One Detection ≥ 25 pCi/L			Percent of Population Served with At Least One Detection ≥ 25 pCi/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	1	0	1.449%	2.273%	0.000%	4,170	4,170	0	0.254%	1.342%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	14	3	11	4.487%	1.676%	8.271%	7,349,183	473,415	6,875,768	32.652%	11.487%	37.397%
CO	24	19	5	3.609%	4.017%	2.604%	156,424	29,763	126,661	3.191%	6.171%	2.866%
CT	4	4	0	8.000%	9.091%	0.000%	1,052	1,052	0	0.078%	2.297%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL												
GA												
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	19	18	1	3.209%	3.303%	2.128%	19,349	18,740	609	1.934%	2.504%	0.242%
IL	74	74	0	6.935%	7.574%	0.000%	514,292	514,292	0	9.749%	17.707%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	1	0	4.545%	33.333%	0.000%	2,303	2,303	0	0.125%	25.305%	0.000%
MA	28	21	7	13.208%	15.000%	9.722%	268,634	144,200	124,434	4.217%	28.071%	2.125%
MD	5	3	2	0.971%	0.655%	3.509%	112,717	4,150	108,567	2.304%	0.462%	2.719%
ME												
MI												
MN	3	3	0	0.437%	0.452%	0.000%	20,190	20,190	0	0.552%	0.838%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	22	22	0	1.325%	1.434%	0.000%	10,713	10,713	0	0.159%	0.708%	0.000%
ND												
NE												
NH												
NJ	2	1	1	5.405%	6.250%	4.762%	681,154	4,900	676,254	18.387%	2.625%	19.223%
NM	28	27	1	4.947%	5.066%	3.030%	121,004	120,771	233	7.499%	8.958%	0.088%
NV	9	9	0	4.245%	4.615%	0.000%	36,676	36,676	0	4.034%	15.051%	0.000%
NY	7	6	1	0.790%	0.812%	0.680%	4,122	2,522	1,600	0.088%	0.295%	0.042%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	2	2	0	3.175%	3.636%	0.000%	1,650	1,650	0	0.186%	1.128%	0.000%
SC												
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN												
TX	75	72	3	1.880%	1.966%	0.917%	78,760	70,825	7,935	0.318%	0.786%	0.050%
UT	7	6	1	2.167%	2.055%	3.226%	195,942	119,902	76,040	9.061%	8.213%	10.821%
VA	3	3	0	0.523%	0.625%	0.000%	908	908	0	0.023%	0.336%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	7	7	0	0.877%	0.891%	0.000%	81,804	81,804	0	2.530%	4.638%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	335	302	33	2.354%	2.415%	1.912%	9,661,047	1,662,946	7,998,101	8.032%	5.319%	8.985%

Table A12. Cadmium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.005 mg/L	44,928	121	0.269%	85,335,776	497,363	0.583%
	≥ 0.0025 mg/L	44,928	407	0.906%	85,335,776	1,710,771	2.005%
Surface Water	> 0.005 mg/L	3,992	13	0.326%	144,349,594	1,901,706	1.317%
	≥ 0.0025 mg/L	3,992	59	1.478%	144,349,594	4,288,872	2.971%
Combined Ground & Surface Water	> 0.005 mg/L	48,920	134	0.274%	229,685,370	2,399,069	1.045%
	≥ 0.0025 mg/L	48,920	466	0.953%	229,685,370	5,999,643	2.612%

Table A12a. Cadmium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	877	619	258	4.333%	4.200%	4.651%	0.0001	0.0001	0.0001	0.00015	0.00015	0.00016	0.00098	0.00098	0.00091	0.00264	0.00135	0.00264
AL	2,671	1,814	857	0.824%	0.662%	1.167%	0.0004	0.0004	0.0008	0.003	0.003	0.003	0.004	0.004	0.0045	0.005	0.004	0.005
AR	2,192	1,538	654	0.319%	0.390%	0.153%	0.001	0.001	0.001	0.001	0.001	0.001	0.005	0.005	0.001	0.005	0.005	0.001
AZ	6,332	4,951	1,381	1.453%	1.555%	1.086%	0.0001	0.0001	0.0001	0.0014	0.0015	0.0013	0.005	0.0055	0.0041	0.05	0.05	0.005
CA	35,018	20,753	14,265	1.345%	1.648%	0.904%	6E-06	6E-06	7E-06	0.001	0.001	0.00115	0.003	0.003	0.003	0.04	0.02	0.04
CO	4,388	2,328	2,060	3.624%	3.436%	3.835%	0.00003	0.00004	0.00003	0.0003	0.0003	0.00029	0.0012	0.0009	0.0022	0.0081	0.0013	0.0081
CT	2,601	1,878	723	1.922%	1.491%	3.043%	0.0002	0.0002	0.0004	0.002	0.0021	0.002	0.005	0.0074	0.002	0.02	0.02	0.009
DE	689	641	48	9.144%	9.828%	0.000%	0.0001	0.0001		0.0004	0.0004		0.0008	0.0008		0.0021	0.0021	
FL	2,141	2,072	69	5.138%	5.309%	0.000%	0.0001	0.0001		0.0005	0.0005		0.0015	0.0015		0.0046	0.0046	
GA	2,705	2,382	323	0.074%	0.084%	0.000%	0.0032	0.0032		0.0065	0.0065		0.0098	0.0098		0.0098	0.0098	
HI	1,163	1,101	62	0.344%	0.272%	1.613%	0.0003	0.0003	0.0004	0.0008	0.0012	0.0004	0.003	0.003	0.0004	0.003	0.003	0.0004
IA	1,522	1,259	263	0.526%	0.635%	0.000%	0.001	0.001		0.004	0.004		0.01	0.01		0.01	0.01	
ID	2,665	2,390	275	2.402%	2.636%	0.364%	0.00001	0.00001	0.0008	0.0007	0.0007	0.0008	0.0021	0.0021	0.0008	0.007	0.007	0.0008
IL	3,486	3,072	414	5.192%	5.534%	2.657%	0.00033	0.00033	0.002	0.004	0.004	0.0039	0.007	0.00705	0.007	0.04	0.04	0.007
IN	4,704	4,222	482	5.145%	5.471%	2.282%	0.0001	0.0001	0.0001	0.0009	0.0009	0.0003	0.0033	0.0033	0.0011	0.005	0.005	0.0017
KY	1,786	550	1,236	5.375%	3.273%	6.311%	0.00007	0.00007	0.0001	0.0002	0.00125	0.0002	0.0025	0.003	0.002	0.05	0.0032	0.05
MA	2,964	1,995	969	2.328%	2.406%	2.167%	0.00004	0.0002	0.00004	0.001	0.001	0.001	0.002	0.002	0.0011	0.01	0.01	0.006
MD	5,108	3,991	1,117	1.018%	0.752%	1.970%	0.00001	0.0005	0.00001	0.001	0.00105	0.001	0.0031	0.0038	0.003	0.008	0.008	0.0032
ME	2,710	2,311	399	1.218%	1.385%	0.251%	0.0005	0.0005	0.0005	0.0011	0.0011	0.0005	0.0032	0.0032	0.0005	0.0076	0.0076	0.0005
MI	6,143	5,969	174	8.888%	8.996%	5.172%	0.00002	0.00002	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0002	0.01	0.01	0.0002
MN	3,331	3,282	49	0.630%	0.609%	2.041%	0.00051	0.00051	0.00083	0.0011	0.00113	0.00083	0.00377	0.00439	0.00083	0.03	0.03	0.00083
MO	5,803	5,028	775	2.171%	2.486%	0.129%	0.001	0.001	0.00151	0.00316	0.00317	0.00151	0.01	0.01	0.00151	0.03	0.03	0.00151
MT	2,737	2,449	288	0.804%	0.735%	1.389%	0.0001	0.0001	0.0002	0.001	0.001	0.00055	0.002	0.004	0.001	0.01	0.01	0.001
NC	9,235	7,794	1,441	1.841%	1.809%	2.012%	0.00005	0.00005	0.00005	0.001	0.001	0.001	0.002	0.002	0.002	0.02	0.007	0.02
ND	347	303	44	0.576%	0.660%	0.000%	0.00071	0.00071		0.00092	0.00092		0.00112	0.00112		0.00112	0.00112	
NE	1,884	1,798	86	0.000%	0.000%	0.000%												
NH	2,932	2,767	165	1.160%	1.193%	0.606%	0.001	0.001	0.0016	0.0016	0.0016	0.0016	0.01	0.01	0.0016	0.03	0.03	0.0016
NJ	6,605	5,885	720	1.562%	1.903%	1.528%	0.00003	0.0001	0.00003	0.001	0.0011	0.0005	0.004	0.004	0.003	0.03	0.03	0.007
NM	3,522	3,196	326	7.524%	7.697%	5.828%	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.003	0.003	0.0011	0.04	0.04	0.0033
NV	1,906	1,332	574	0.892%	0.901%	0.871%	0.0002	0.0002	0.001	0.001	0.001	0.001	0.02	0.02	0.002	0.04	0.04	0.002
NY	3,396	2,541	855	0.618%	0.590%	0.702%	0.00002	0.00002	0.0009	0.0017	0.002	0.0012	0.005	0.005	0.003	0.0095	0.0095	0.003
OH	4,106	3,460	646	1.120%	1.272%	0.310%	0.00017	0.00017	0.00026	0.00075	0.00075	0.00063	0.01	0.01	0.001	0.01	0.01	0.001
OK	393	330	63	0.509%	0.606%	0.000%	0.003	0.003		0.0055	0.0055		0.008	0.008		0.008	0.008	
OR	1,317	953	364	0.607%	0.735%	0.275%	0.00003	5.5E-05	0.00003	0.00053	0.00066	0.00003	0.0032	0.0032	0.00003	0.0032	0.0032	0.00003
RI	891	660	231	2.132%	0.909%	5.628%	0.00002	0.00002	0.001	0.0017	0.00215	0.0017	0.0027	0.0026	0.0027	0.0042	0.0026	0.0042
SC	3,446	2,982	464	5.775%	6.103%	3.664%	0.0001	0.0001	0.0001	0.0002	0.0002	0.00018	0.00065	0.00065	0.0004	0.003	0.0026	0.003
SD	389	360	29	3.085%	3.333%	0.000%	0.0002	0.0002		0.0009	0.0009		0.0012	0.0012		0.0018	0.0018	
TN	1,658	486	1,172	5.006%	0.206%	6.997%	0.0001	0.0013	0.0001	0.0002	0.0013	0.0002	0.0007	0.0013	0.00069	0.003	0.0013	0.003
TX	14,758	12,178	2,580	0.271%	0.255%	0.349%	0.0002	0.0003	0.0002	0.00154	0.00158	0.0013	0.00416	0.0041	0.005	0.01	0.01	0.005
UT	7,022	5,477	1,545	1.438%	0.895%	3.366%	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.02	0.02	0.005
VA	2,809	2,199	610	0.356%	0.409%	0.164%	0.002	0.002	0.002	0.002	0.002	0.002	0.0165	0.03	0.002	0.03	0.03	0.002
VT	2,059	1,735	324	0.729%	0.865%	0.000%	0.00008	0.00008		0.001	0.001		0.002	0.002		0.003	0.003	
WI	7,011	6,840	171	4.621%	4.678%	2.339%	1.1E-05	1.1E-05	0.00014	0.00024	0.00024	0.00024	0.00087	0.00086	0.0011	0.08	0.08	0.0011
WV	1,113	422	691	2.516%	3.791%	1.737%	9.7E-06	9.7E-06	3.1E-05	0.001	0.001	0.00018	0.001	0.001	0.0013	0.0025	0.001	0.0025
WY	1,132	877	255	2.739%	3.079%	1.569%	0.0005	0.0005	0.0009	0.0019	0.0019	0.00145	0.0033	0.0033	0.0038	0.01	0.01	0.0038
Total	181,667	141,170	40,497	2.217%	2.360%	1.721%	6E-06	6E-06	7E-06	0.00054	0.0005	0.00085	0.0035	0.004	0.003	0.08	0.08	0.05

Table A12b. Cadmium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	496	394	102	551,465	211,445	340,020	7.056%	6.091%	10.784%	1.836%	3.385%	0.873%
AL	352	279	73	4,701,100	1,463,066	3,238,034	4.830%	2.867%	12.329%	10.857%	3.178%	14.327%
AR	453	381	72	2,452,800	909,774	1,543,026	1.545%	1.575%	1.389%	1.118%	2.861%	0.091%
AZ	1,050	1,002	48	6,162,056	2,791,465	3,370,591	4.857%	4.491%	12.500%	52.470%	34.921%	67.004%
CA	3,819	3,296	523	36,244,015	13,414,446	22,829,569	5.918%	4.945%	12.046%	21.099%	15.545%	24.363%
CO	838	617	221	4,998,506	533,275	4,465,231	12.411%	10.049%	19.005%	51.863%	9.364%	56.939%
CT	1,170	1,131	39	2,716,176	382,254	2,333,922	2.821%	2.299%	17.949%	25.753%	6.327%	28.935%
DE	281	278	3	679,823	398,423	281,400	13.879%	14.029%	0.000%	18.419%	31.429%	0.000%
FL	1,334	1,308	26	17,251,146	15,005,104	2,246,042	6.522%	6.651%	0.000%	25.960%	29.845%	0.000%
GA	1,593	1,479	114	7,242,523	1,350,192	5,892,331	0.126%	0.135%	0.000%	2.272%	12.188%	0.000%
HI	107	95	12	1,303,767	1,249,139	54,628	2.804%	2.105%	8.333%	2.380%	2.466%	0.403%
IA	966	933	33	2,500,215	1,391,589	1,108,626	0.828%	0.857%	0.000%	0.207%	0.372%	0.000%
ID	896	848	48	1,048,836	805,867	242,969	5.134%	5.307%	2.083%	26.538%	11.458%	76.553%
IL	1,489	1,386	103	9,168,084	2,968,012	6,200,072	10.477%	10.534%	9.709%	7.846%	16.578%	3.667%
IN	1,623	1,574	49	4,980,057	2,619,602	2,360,455	13.124%	13.024%	16.327%	14.809%	14.486%	15.168%
KY	242	93	149	4,602,489	375,460	4,227,029	20.661%	13.978%	24.832%	40.978%	40.734%	41.000%
MA	675	557	118	8,525,540	1,718,116	6,807,424	6.519%	5.566%	11.017%	48.204%	5.674%	58.937%
MD	1,038	970	68	5,022,488	1,024,381	3,998,107	2.890%	2.577%	7.353%	35.767%	4.058%	43.892%
ME	807	753	54	727,775	292,171	435,604	1.983%	1.992%	1.852%	4.137%	9.647%	0.441%
MI	2,996	2,944	52	6,681,711	1,889,380	4,792,331	15.621%	15.659%	13.462%	13.198%	23.736%	9.044%
MN	1,459	1,432	27	3,959,159	2,725,622	1,233,537	1.097%	1.047%	3.704%	3.666%	5.272%	0.118%
MO	1,421	1,344	77	3,006,743	1,692,282	1,314,461	2.111%	2.158%	1.299%	2.557%	3.785%	0.976%
MT	843	784	59	757,031	364,632	392,399	1.423%	1.276%	3.390%	13.913%	20.319%	7.961%
NC	2,283	2,144	139	6,973,518	1,708,352	5,265,166	6.351%	5.737%	15.827%	20.315%	9.757%	23.741%
ND	217	190	27	563,069	257,844	305,225	0.922%	1.053%	0.000%	0.051%	0.111%	0.000%
NE	731	720	11	1,449,290	672,810	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,216	1,175	41	942,517	392,718	549,799	2.385%	2.383%	2.439%	1.818%	1.499%	2.046%
NJ	1,374	1,337	37	7,762,423	2,726,477	5,035,946	7.205%	6.806%	21.622%	27.478%	11.501%	36.127%
NM	724	685	39	1,667,433	1,400,885	266,548	19.475%	19.562%	17.949%	52.338%	53.086%	48.406%
NV	325	305	20	970,653	280,854	689,799	3.692%	3.607%	5.000%	7.279%	5.039%	8.191%
NY	1,567	1,327	240	11,199,594	1,220,151	9,979,443	1.276%	1.055%	2.500%	0.326%	0.701%	0.280%
OH	1,917	1,792	125	10,218,949	3,124,012	7,094,937	2.295%	2.344%	1.600%	2.425%	0.714%	3.179%
OK	182	166	16	679,606	268,651	410,955	1.099%	1.205%	0.000%	0.795%	2.010%	0.000%
OR	732	610	122	2,776,564	486,818	2,289,746	0.956%	0.984%	0.820%	0.063%	0.188%	0.036%
RI	143	134	9	913,584	173,606	739,978	4.895%	2.985%	33.333%	18.447%	26.548%	16.547%
SC	823	758	65	3,468,333	809,806	2,658,527	15.796%	15.831%	15.385%	14.657%	21.843%	12.468%
SD	235	224	11	328,972	237,011	91,961	3.404%	3.571%	0.000%	3.988%	5.535%	0.000%
TN	350	161	189	5,683,572	1,460,816	4,222,756	2.857%	0.621%	4.762%	15.139%	2.791%	19.411%
TX	4,888	4,547	341	25,060,220	9,275,719	15,784,501	0.818%	0.682%	2.639%	4.407%	0.431%	6.743%
UT	507	457	50	2,543,652	1,686,017	857,635	3.156%	2.845%	6.000%	13.432%	0.865%	38.137%
VA	1,582	1,414	168	4,803,450	634,384	4,169,066	0.506%	0.495%	0.595%	0.129%	0.574%	0.061%
VT	598	556	42	490,389	226,621	263,768	2.341%	2.518%	0.000%	0.568%	1.230%	0.000%
WI	1,823	1,803	20	4,044,416	2,352,672	1,691,744	14.536%	14.531%	15.000%	18.504%	26.390%	7.538%
WV	451	290	161	1,415,477	234,687	1,180,790	5.322%	5.517%	4.969%	1.922%	1.475%	2.010%
WY	304	255	49	446,184	129,168	317,016	8.553%	8.627%	8.163%	9.337%	6.561%	10.468%
Total	48,920	44,928	3,992	229,685,370	85,335,776	144,349,594	5.605%	5.382%	8.116%	16.943%	14.395%	18.449%

Table A12c. Cadmium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.005 mg/L			Percent of Systems with At Least One Detection > 0.005 mg/L			Population Served by Systems with At Least One Detection > 0.005 mg/L			Percent of Population Served with At Least One Detection > 0.005 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	6	6	0	0.571%	0.599%	0.000%	3,636	3,636	0	0.059%	0.130%	0.000%
CA	19	14	5	0.498%	0.425%	0.956%	150,119	43,716	106,403	0.414%	0.326%	0.466%
CO	1	0	1	0.119%	0.000%	0.452%	6,000	0	6,000	0.120%	0.000%	0.134%
CT	4	3	1	0.342%	0.265%	2.564%	23,163	1,183	21,980	0.853%	0.309%	0.942%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	1	0	0.063%	0.068%	0.000%	163,688	163,688	0	2.260%	12.123%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	1	1	0	0.104%	0.107%	0.000%	510	510	0	0.020%	0.037%	0.000%
ID	2	2	0	0.223%	0.236%	0.000%	46,830	46,830	0	4.465%	5.811%	0.000%
IL	44	42	2	2.955%	3.030%	1.942%	231,041	127,561	103,480	2.520%	4.298%	1.669%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	886,428	0	886,428	19.260%	0.000%	20.970%
MA	2	1	1	0.296%	0.180%	0.847%	43,585	85	43,500	0.511%	0.005%	0.639%
MD	2	2	0	0.193%	0.206%	0.000%	260	260	0	0.005%	0.025%	0.000%
ME	1	1	0	0.124%	0.133%	0.000%	15,000	15,000	0	2.061%	5.134%	0.000%
MI	2	2	0	0.067%	0.068%	0.000%	215	215	0	0.003%	0.011%	0.000%
MN	1	1	0	0.069%	0.070%	0.000%	753	753	0	0.019%	0.028%	0.000%
MO	4	4	0	0.281%	0.298%	0.000%	7,998	7,998	0	0.266%	0.473%	0.000%
MT	1	1	0	0.119%	0.128%	0.000%	25	25	0	0.003%	0.007%	0.000%
NC	5	4	1	0.219%	0.187%	0.719%	724,060	1,114	722,946	10.383%	0.065%	13.731%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	7	7	0	0.576%	0.596%	0.000%	2,378	2,378	0	0.252%	0.606%	0.000%
NJ	9	8	1	0.655%	0.598%	2.703%	78,418	67,449	10,969	1.010%	2.474%	0.218%
NM	6	6	0	0.829%	0.876%	0.000%	3,313	3,313	0	0.199%	0.236%	0.000%
NV	2	2	0	0.615%	0.656%	0.000%	4,243	4,243	0	0.437%	1.511%	0.000%
NY	1	1	0	0.064%	0.075%	0.000%	50	50	0	0.000%	0.004%	0.000%
OH	4	4	0	0.209%	0.223%	0.000%	1,675	1,675	0	0.016%	0.054%	0.000%
OK	1	1	0	0.549%	0.602%	0.000%	500	500	0	0.074%	0.186%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	2	2	0	0.041%	0.044%	0.000%	645	645	0	0.003%	0.007%	0.000%
UT	2	2	0	0.394%	0.438%	0.000%	3,450	3,450	0	0.136%	0.205%	0.000%
VA	1	1	0	0.063%	0.071%	0.000%	620	620	0	0.013%	0.098%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.055%	0.055%	0.000%	86	86	0	0.002%	0.004%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	1	1	0	0.329%	0.392%	0.000%	380	380	0	0.085%	0.294%	0.000%
Total	134	121	13	0.274%	0.269%	0.326%	2,399,069	497,363	1,901,706	1.045%	0.583%	1.317%



Table A12d. Cadmium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 0.0025 mg/L			Percent of Systems with At Least One Detection ≥ 0.0025 mg/L			Population Served by Systems with At Least One Detection ≥ 0.0025 mg/L			Percent of Population Served with At Least One Detection ≥ 0.0025 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	0	1	0.202%	0.000%	0.980%	50	0	50	0.009%	0.000%	0.015%
AL	14	6	8	3.977%	2.151%	10.959%	449,712	24,863	424,849	9.566%	1.699%	13.121%
AR	1	1	0	0.221%	0.262%	0.000%	3,868	3,868	0	0.158%	0.425%	0.000%
AZ	11	9	2	1.048%	0.898%	4.167%	443,422	18,922	424,500	7.196%	0.678%	12.594%
CA	63	51	12	1.650%	1.547%	2.294%	1,203,652	480,044	723,608	3.321%	3.579%	3.170%
CO	4	0	4	0.477%	0.000%	1.810%	97,245	0	97,245	1.945%	0.000%	2.178%
CT	14	13	1	1.197%	1.149%	2.564%	25,314	3,334	21,980	0.932%	0.872%	0.942%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	4	4	0	0.300%	0.306%	0.000%	84,760	84,760	0	0.491%	0.565%	0.000%
GA	2	2	0	0.126%	0.135%	0.000%	164,565	164,565	0	2.272%	12.188%	0.000%
HI	1	1	0	0.935%	1.053%	0.000%	29,183	29,183	0	2.238%	2.336%	0.000%
IA	6	6	0	0.621%	0.643%	0.000%	1,999	1,999	0	0.080%	0.144%	0.000%
ID	4	4	0	0.446%	0.472%	0.000%	62,279	62,279	0	5.938%	7.728%	0.000%
IL	142	133	9	9.537%	9.596%	8.738%	711,278	486,439	224,839	7.758%	16.389%	3.626%
IN	45	45	0	2.773%	2.859%	0.000%	97,122	97,122	0	1.950%	3.708%	0.000%
KY	7	4	3	2.893%	4.301%	2.013%	920,164	19,201	900,963	19.993%	5.114%	21.314%
MA	6	4	2	0.889%	0.718%	1.695%	68,639	475	68,164	0.805%	0.028%	1.001%
MD	9	7	2	0.867%	0.722%	2.941%	47,595	16,096	31,499	0.948%	1.571%	0.788%
ME	3	3	0	0.372%	0.398%	0.000%	15,435	15,435	0	2.121%	5.283%	0.000%
MI	5	5	0	0.167%	0.170%	0.000%	511	511	0	0.008%	0.027%	0.000%
MN	3	3	0	0.206%	0.209%	0.000%	1,743	1,743	0	0.044%	0.064%	0.000%
MO	7	7	0	0.493%	0.521%	0.000%	11,268	11,268	0	0.375%	0.666%	0.000%
MT	2	2	0	0.237%	0.255%	0.000%	310	310	0	0.041%	0.085%	0.000%
NC	12	10	2	0.526%	0.466%	1.439%	823,916	22,763	801,153	11.815%	1.332%	15.216%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	8	8	0	0.658%	0.681%	0.000%	2,431	2,431	0	0.258%	0.619%	0.000%
NJ	25	23	2	1.820%	1.720%	5.405%	111,683	84,885	26,798	1.439%	3.113%	0.532%
NM	13	12	1	1.796%	1.752%	2.564%	77,071	4,370	72,701	4.622%	0.312%	27.275%
NV	3	3	0	0.923%	0.984%	0.000%	4,523	4,523	0	0.466%	1.610%	0.000%
NY	5	4	1	0.319%	0.301%	0.417%	2,499	2,167	332	0.022%	0.178%	0.003%
OH	6	6	0	0.313%	0.335%	0.000%	1,853	1,853	0	0.018%	0.059%	0.000%
OK	2	2	0	1.099%	1.205%	0.000%	5,400	5,400	0	0.795%	2.010%	0.000%
OR	1	1	0	0.137%	0.164%	0.000%	125	125	0	0.005%	0.026%	0.000%
RI	4	2	2	2.797%	1.493%	22.222%	160,952	41,689	119,263	17.618%	24.014%	16.117%
SC	3	2	1	0.365%	0.264%	1.538%	8,726	5,737	2,989	0.252%	0.708%	0.112%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	0	1	0.286%	0.000%	0.529%	25,379	0	25,379	0.447%	0.000%	0.601%
TX	9	8	1	0.184%	0.176%	0.293%	2,321	2,189	132	0.009%	0.024%	0.001%
UT	6	4	2	1.183%	0.875%	4.000%	324,475	3,925	320,550	12.756%	0.233%	37.376%
VA	2	2	0	0.126%	0.141%	0.000%	746	746	0	0.016%	0.118%	0.000%
VT	1	1	0	0.167%	0.180%	0.000%	300	300	0	0.061%	0.132%	0.000%
WI	5	5	0	0.274%	0.277%	0.000%	471	471	0	0.012%	0.020%	0.000%
WV	1	0	1	0.222%	0.000%	0.621%	1,800	0	1,800	0.127%	0.000%	0.152%
WY	5	4	1	1.645%	1.569%	2.041%	4,858	4,780	78	1.089%	3.701%	0.025%
Total	466	407	59	0.953%	0.906%	1.478%	5,999,643	1,710,771	4,288,872	2.612%	2.005%	2.971%

Table A13. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 40 µg/L	28,289	0	0.000%	61,793,025	0	0.000%
	≥ 20 µg/L	28,289	0	0.000%	61,793,025	0	0.000%
	≥ 7 µg/L	28,289	0	0.000%	61,793,025	0	0.000%
	> 0.9 µg/L	28,289	7	0.025%	61,793,025	71,762	0.116%
Surface Water	> 40 µg/L	2,808	0	0.000%	106,180,317	0	0.000%
	≥ 20 µg/L	2,808	0	0.000%	106,180,317	0	0.000%
	≥ 7 µg/L	2,808	1	0.036%	106,180,317	3,186	0.003%
	> 0.9 µg/L	2,808	2	0.071%	106,180,317	257,648	0.243%
Combined Ground & Surface Water	> 40 µg/L	31,097	0	0.000%	167,973,342	0	0.000%
	≥ 20 µg/L	31,097	0	0.000%	167,973,342	0	0.000%
	≥ 7 µg/L	31,097	1	0.003%	167,973,342	3,186	0.002%
	> 0.9 µg/L	31,097	9	0.029%	167,973,342	329,410	0.196%

Table A13a. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	32	14	18	0.000%	0.000%	0.000%												
AL	503	374	129	0.000%	0.000%	0.000%												
AR	1,544	1,318	226	0.000%	0.000%	0.000%												
AZ	6,354	4,914	1,440	0.094%	0.102%	0.069%	0.5	0.5	0.5	0.5	0.5	0.5	2	2	0.5	2	2	0.5
CA	11,955	6,800	5,155	0.000%	0.000%	0.000%												
CO	2,390	1,718	672	0.000%	0.000%	0.000%												
CT	1,324	1,013	311	0.000%	0.000%	0.000%												
DE	1,248	1,218	30	0.481%	0.493%	0.000%	0.54	0.54		0.54	0.54		0.54	0.54		0.54	0.54	
FL	2,357	2,292	65	0.552%	0.567%	0.000%	0.23	0.23		0.5	0.5		1	1		1	1	
GA	1,428	1,355	73	0.000%	0.000%	0.000%												
HI	1,694	1,646	48	0.000%	0.000%	0.000%												
IA	48	31	17	0.000%	0.000%	0.000%												
ID	1,171	959	212	0.000%	0.000%	0.000%												
IL	3,815	3,411	404	0.000%	0.000%	0.000%												
IN	2,243	2,083	160	0.000%	0.000%	0.000%												
KY	1,764	444	1,320	0.454%	0.000%	0.606%	0.7		0.7	0.9		0.9	2.5		2.5	2.5		2.5
MA	2,909	2,145	764	0.103%	0.093%	0.131%	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
MD	2,362	1,635	727	0.212%	0.000%	0.688%	0.9		0.9	0.9		0.9	0.9		0.9	0.9		0.9
ME	357	300	57	0.000%	0.000%	0.000%												
MI	6,596	6,329	267	0.000%	0.000%	0.000%												
MN	4,577	4,443	134	0.000%	0.000%	0.000%												
MO	4,611	4,041	570	0.022%	0.025%	0.000%	1.05	1.05		1.05	1.05		1.05	1.05		1.05	1.05	
MT	2,850	2,582	268	0.000%	0.000%	0.000%												
NC	12,779	11,736	1,043	0.000%	0.000%	0.000%												
ND	59	41	18	0.000%	0.000%	0.000%												
NE	2,345	2,279	66	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	158	145	13	0.000%	0.000%	0.000%												
NM	4,258	4,009	249	0.023%	0.025%	0.000%	3	3		3	3		3	3		3	3	
NV	1,531	1,140	391	0.000%	0.000%	0.000%												
NY	2,879	2,168	711	0.069%	0.092%	0.000%	0.5	0.5		0.75	0.75		1	1		1	1	
OH	531	381	150	0.000%	0.000%	0.000%												
OK	5	5	0	0.000%	0.000%	0.000%												
OR	2,056	1,573	483	0.000%	0.000%	0.000%												
RI	471	316	155	0.000%	0.000%	0.000%												
SC	2,996	2,623	373	0.033%	0.038%	0.000%	1.03	1.03		1.03	1.03		1.03	1.03		1.03	1.03	
SD	898	787	111	0.000%	0.000%	0.000%												
TN	155	31	124	0.000%	0.000%	0.000%												
TX	829	706	123	0.000%	0.000%	0.000%												
UT	7,110	5,922	1,188	0.000%	0.000%	0.000%												
VA	416	154	262	0.000%	0.000%	0.000%												
VT	1,287	1,097	190	0.311%	0.365%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
WI	3,162	3,070	92	0.000%	0.000%	0.000%												
WV	640	334	306	1.719%	2.096%	1.307%	0.5	0.54	0.5	0.73	0.54	0.73	0.73	0.73	8	8	0.73	8
WY	1,252	939	313	0.000%	0.000%	0.000%												
Total	114,142	94,395	19,747	0.053%	0.044%	0.096%	0.23	0.23	0.5	0.54	0.54	0.9	1.05	1	2.5	8	3	8

Table A13b. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	8	6	2	22,575	13,611	8,964	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	171	126	45	2,702,037	589,449	2,112,588	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	912	864	48	6,035,739	2,665,148	3,370,591	0.329%	0.231%	2.083%	5.892%	2.088%	8.901%
CA	1,372	1,104	268	32,726,875	11,163,398	21,563,477	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CO	797	580	217	4,978,181	511,547	4,466,634	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	653	616	37	2,588,367	261,100	2,327,267	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	238	235	3	650,290	368,890	281,400	2.521%	2.553%	0.000%	1.032%	1.819%	0.000%
FL	1,309	1,288	21	16,785,698	14,546,522	2,239,176	0.611%	0.621%	0.000%	18.378%	21.207%	0.000%
GA	296	283	13	994,603	305,252	689,351	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	110	98	12	1,300,849	1,246,221	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	4	3	1	162,197	27,580	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	489	463	26	856,983	639,201	217,782	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,365	1,261	104	9,183,137	2,982,740	6,200,397	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,403	1,359	44	4,870,706	2,550,970	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	242	93	149	4,602,489	375,460	4,227,029	2.479%	0.000%	4.027%	7.771%	0.000%	8.461%
MA	644	527	117	8,509,572	1,707,190	6,802,382	0.466%	0.380%	0.855%	0.475%	1.833%	0.134%
MD	856	790	66	4,901,793	906,003	3,995,790	0.117%	0.000%	1.515%	34.885%	0.000%	42.795%
ME	208	185	23	471,954	108,050	363,904	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,926	2,865	61	7,226,429	2,046,573	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,282	1,253	29	3,931,466	2,681,825	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,461	1,385	76	2,643,059	1,698,598	944,461	0.068%	0.072%	0.000%	0.023%	0.035%	0.000%
MT	812	752	60	753,305	360,636	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ND	28	22	6	47,665	40,636	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	712	701	11	1,453,178	676,698	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	128	118	10	1,906,326	343,608	1,562,718	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	696	660	36	1,663,162	1,400,264	262,898	0.144%	0.152%	0.000%	0.013%	0.016%	0.000%
NV	291	270	21	960,557	270,666	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,345	1,114	231	4,923,641	980,364	3,943,277	0.149%	0.180%	0.000%	0.066%	0.332%	0.000%
OH	269	190	79	6,465,862	483,522	5,982,340	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK	3	3	0	905	905	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OR	1,084	934	150	2,937,354	572,604	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	72	63	9	894,778	154,800	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	778	719	59	3,428,914	802,131	2,626,783	0.129%	0.139%	0.000%	0.002%	0.010%	0.000%
SD	259	238	21	621,074	261,903	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	63	16	47	1,748,866	175,699	1,573,167	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	669	606	63	2,803,106	435,220	2,367,886	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,671	1,667,485	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	174	65	109	2,312,591	26,001	2,286,590	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	438	404	34	432,235	180,711	251,524	0.913%	0.990%	0.000%	0.148%	0.354%	0.000%
WI	1,405	1,385	20	3,883,163	2,191,419	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	339	194	145	1,360,534	203,368	1,157,166	2.655%	3.608%	1.379%	0.652%	0.643%	0.653%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	31,097	28,289	2,808	167,973,342	61,793,025	106,180,317	0.145%	0.120%	0.392%	3.315%	5.154%	2.246%

Table A13c. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 40 µg/L			Percent of Systems with At Least One Detection > 40 µg/L			Population Served by Systems with At Least One Detection > 40 µg/L			Percent of Population Served with At Least One Detection > 40 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A13d. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 20 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 20 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 20 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 20 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A13e. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 7 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 7 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 7 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 7 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	0	1	0.295%	0.000%	0.690%	3,186	0	3,186	0.234%	0.000%	0.275%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	0	1	0.003%	0.000%	0.036%	3,186	0	3,186	0.002%	0.000%	0.003%

Table A13f. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.9 µg/L			Percent of Systems with At Least One Detection > 0.9 µg/L			Population Served by Systems with At Least One Detection > 0.9 µg/L			Percent of Population Served with At Least One Detection > 0.9 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.110%	0.116%	0.000%	5,005	5,005	0	0.083%	0.188%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	2	2	0	0.153%	0.155%	0.000%	62,906	62,906	0	0.375%	0.432%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	254,462	0	254,462	5.529%	0.000%	6.020%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	1	1	0	0.068%	0.072%	0.000%	603	603	0	0.023%	0.035%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	1	1	0	0.144%	0.152%	0.000%	220	220	0	0.013%	0.016%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.074%	0.090%	0.000%	2,950	2,950	0	0.060%	0.301%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	1	0	0.129%	0.139%	0.000%	78	78	0	0.002%	0.010%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	0	1	0.295%	0.000%	0.690%	3,186	0	3,186	0.234%	0.000%	0.275%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	9	7	2	0.029%	0.025%	0.071%	329,410	71,762	257,648	0.196%	0.116%	0.243%



Table A14. Carbon tetrachloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 µg/L	46,190	49	0.106%	86,397,574	146,334	0.169%
	≥ 2.5 µg/L	46,190	81	0.175%	86,397,574	313,180	0.362%
	≥ 1 µg/L	46,190	179	0.388%	86,397,574	1,010,901	1.170%
	> 0.5 µg/L	46,190	312	0.675%	86,397,574	1,813,677	2.099%
Surface Water	> 5 µg/L	4,256	8	0.188%	140,537,213	4,821,230	3.431%
	≥ 2.5 µg/L	4,256	25	0.587%	140,537,213	5,174,513	3.682%
	≥ 1 µg/L	4,256	82	1.927%	140,537,213	7,071,752	5.032%
	> 0.5 µg/L	4,256	147	3.454%	140,537,213	12,609,728	8.973%
Combined Ground & Surface Water	> 5 µg/L	50,446	57	0.113%	226,934,787	4,967,564	2.189%
	≥ 2.5 µg/L	50,446	106	0.210%	226,934,787	5,487,693	2.418%
	≥ 1 µg/L	50,446	261	0.517%	226,934,787	8,082,653	3.562%
	> 0.5 µg/L	50,446	459	0.910%	226,934,787	14,423,405	6.356%

Table A14a. Carbon tetrachloride – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,108	1,970	1,138	0.161%	0.152%	0.176%	0.23	0.23	0.91	0.62	0.6	1.105	1.3	0.62	1.3	1.3	0.62	1.3
AL	834	601	233	2.398%	0.832%	6.438%	0.54	0.54	0.6	1.245	1.71	1.2	2.025	5.74	1.5	5.74	5.74	1.6
AR	2,394	1,926	468	2.966%	2.908%	3.205%	0.15	0.15	0.17	0.68	0.675	0.71	6	7.4	1.36	16.3	16.3	2.04
AZ	11,687	9,519	2,168	0.086%	0.053%	0.231%	0.5	0.6	0.5	0.8	1.1	0.5	19.25	37	1.1	37	37	1.1
CA	98,417	51,662	46,755	3.621%	3.004%	4.303%	0.2	0.2	0.5	1.3	1.5	1.1	4.3	3.4	6	27	14.4	27
CO	2,875	2,135	740	0.348%	0.234%	0.676%	0.2	0.2	0.2	0.2	0.2	0.3	0.45	0.2	0.5	0.5	0.2	0.5
CT	6,938	6,047	891	0.101%	0.066%	0.337%	0.5	1.9	0.5	1.9	2.5	0.6	2.85	2.85	0.6	2.85	2.85	0.6
DE	1,047	1,017	30	0.000%	0.000%	0.000%												
FL	4,178	4,108	70	0.646%	0.657%	0.000%	0.09	0.09		0.47	0.47		1.1	1.1		1.2	1.2	
GA	7,175	6,348	827	0.251%	0.205%	0.605%	0.5	0.5	0.51	0.77	0.68	0.83	0.95	0.95	0.94	1.2	1.2	0.94
HI	1,791	1,688	103	6.142%	5.746%	12.621%	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.52	1.4	1.4	0.6
IA	1,819	1,695	124	0.935%	0.885%	1.613%	0.1	0.1	0.6	0.6	0.5	1.15	8.7	8.7	1.7	300	300	1.7
ID	3,765	3,304	461	0.452%	0.484%	0.217%	0.6	1.8	0.6	3	3.05	0.6	3.7	3.7	0.6	3.8	3.8	0.6
IL	7,100	6,492	608	0.507%	0.447%	1.151%	0.5	0.5	0.5	0.715	0.73	0.7	1.7	1	2.49	11	11	2.49
IN	4,621	4,311	310	0.130%	0.116%	0.323%	0.5	0.5	1.4	1.05	1	1.4	8.3	8.3	1.4	8.3	8.3	1.4
KY	3,322	1,126	2,196	1.475%	0.178%	2.140%	0.003	0.4	0.003	0.4	1.3	0.3	2	2.2	2	3	2.2	3
MA	16,249	12,259	3,990	0.043%	0.041%	0.050%	0.2	0.2	0.54	0.7	0.7	0.77	19.3	19.3	1	19.3	19.3	1
MD	6,773	5,511	1,262	0.325%	0.236%	0.713%	0.1	0.5	0.1	0.75	0.7	0.8	2.2	2.2	3.6	3.6	3.3	3.6
ME	3,698	3,383	315	0.162%	0.177%	0.000%	0.5	0.5		3.35	3.35		10	10		10	10	
MI	10,754	9,744	1,010	0.130%	0.041%	0.990%	0.4	0.4	0.4	0.6	0.95	0.6	1.7	3.1	1.35	3.1	3.1	1.7
MN	8,585	7,336	1,249	1.142%	0.913%	2.482%	0.2	0.2	0.2	0.3	0.4	0.3	0.9	1	0.6	2.9	2.9	0.9
MO	7,543	6,694	849	0.186%	0.105%	0.824%	0.5	0.5	0.5	0.8	1.2	0.6	1.7	2.6	1.7	2.6	2.6	1.7
MT	4,495	3,956	539	0.111%	0.101%	0.186%	0.99	0.99	2.2	1.25	1.135	2.2	2.2	2.14	2.2	2.2	2.14	2.2
NC	19,065	17,486	1,579	0.257%	0.223%	0.633%	0.5	0.5	0.5	0.8	0.8	0.85	2.6	2.7	2.33	5.2	5.2	2.6
ND	534	407	127	0.187%	0.000%	0.787%	1.38		1.38	1.38		1.38	1.38		1.38	1.38		1.38
NE	6,842	6,265	577	1.725%	1.868%	0.173%	0.21	0.21	0.65	1	1	0.65	3.9	3.9	0.65	38.9	38.9	0.65
NH	9,582	9,104	478	0.031%	0.022%	0.209%	0.5	0.5	3.3	3.3	2.45	3.3	4.4	4.4	3.3	4.4	4.4	3.3
NJ	20,356	18,570	1,786	0.447%	0.458%	0.336%	0.1	0.1	0.1	0.64	0.68	0.445	4.77	5.94	1.2	28.62	28.62	1.2
NM	6,572	6,096	476	0.228%	0.213%	0.420%	0.2	0.57	0.2	0.8	0.8	2.4	4.28	4.1	4.6	4.6	4.28	4.6
NV	3,211	2,579	632	0.280%	0.310%	0.158%	0.52	0.52	1.5	1.5	1.5	1.5	8.51	8.51	1.5	8.51	8.51	1.5
NY	7,073	5,406	1,667	0.240%	0.259%	0.180%	0.5	0.5	0.5	0.65	0.68	0.5	1.4	1.4	0.5	10.7	10.7	0.5
OH	8,845	7,686	1,159	0.215%	0.156%	0.604%	0.26	0.5	0.26	0.9	0.835	0.9	6.9	6.9	2.5	11.5	11.5	2.5
OK	5,635	4,200	1,435	0.497%	0.548%	0.348%	0.22	0.4	0.22	1.04	1.1	0.53	10.3	10.3	1.3	33.6	33.6	1.3
OR	2,324	1,682	642	0.043%	0.059%	0.000%	11.3	11.3		11.3	11.3		11.3	11.3		11.3	11.3	
RI	1,959	1,591	368	0.255%	0.126%	0.815%	0.7	3.1	0.7	6.8	4.95	12	12	6.8	12	12	6.8	12
SC	4,342	3,803	539	0.322%	0.210%	1.113%	0.51	0.51	0.6	1.63	1.965	1.63	8.09	9.17	3.1	9.17	9.17	3.1
SD	889	855	34	0.000%	0.000%	0.000%												
TN	2,945	1,165	1,780	0.374%	0.343%	0.393%	0.1	0.67	0.1	1.4	1.65	0.6	3.2	2.7	3.3	3.3	2.7	3.3
TX	34,154	27,046	7,108	0.351%	0.311%	0.506%	0.5	0.5	0.5	0.9	0.9	0.815	1.865	1.8	1.96	8.4	8.4	2.55
UT	8,988	7,557	1,431	0.022%	0.026%	0.000%	0.7	0.7		0.9	0.9		1.1	1.1		1.1	1.1	
VA	4,930	4,057	873	0.081%	0.074%	0.115%	0.6	0.6	0.7	0.92	1.14	0.7	44	44	0.7	44	44	0.7
VT	4,349	3,956	393	0.207%	0.177%	0.509%	0.4	0.4	0.6	1.6	5	1.1	18.2	18.2	1.6	18.2	18.2	1.6
WI	11,294	11,169	125	0.159%	0.143%	1.600%	0.03	0.03	0.1	0.41	0.465	0.145	4.7	4.7	0.19	7.6	7.6	0.19
WV	1,146	444	702	2.182%	3.153%	1.567%	0.24	0.24	0.31	0.5	0.5	0.5	4.6	1	4.6	15	15	6.8
WY	1,661	1,156	505	0.843%	1.038%	0.396%	0.1	0.1	0.3	0.765	0.765	0.535	1.41	1.41	0.77	14	14	0.77
Total	385,864	295,112	90,752	1.220%	0.815%	2.534%	0.003	0.03	0.003	1.1	1.24	1	3.9	3.5	5.04	300	300	27

Table A14b. Carbon tetrachloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.645%	0.633%	0.685%	7.909%	20.598%	0.009%
AL	263	202	61	4,218,278	1,123,190	3,095,088	2.662%	2.475%	3.279%	6.997%	2.536%	8.616%
AR	454	382	72	2,453,348	910,322	1,543,026	10.793%	9.686%	16.667%	7.868%	9.050%	7.170%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.567%	0.297%	6.250%	7.926%	0.267%	14.280%
CA	3,655	3,138	517	35,828,727	13,516,266	22,312,461	1.450%	0.860%	5.029%	18.203%	6.351%	25.383%
CO	828	607	221	4,999,966	532,332	4,467,634	0.966%	0.659%	1.810%	35.089%	0.341%	39.229%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.249%	0.171%	2.564%	1.416%	0.728%	1.531%
DE	318	315	3	698,987	417,587	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,513	1,487	26	17,495,771	15,249,729	2,246,042	1.058%	1.076%	0.000%	1.819%	2.087%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.439%	0.234%	3.448%	0.865%	0.495%	0.965%
HI	106	94	12	1,293,745	1,239,117	54,628	6.604%	3.191%	33.333%	3.959%	2.984%	26.080%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	1.042%	0.880%	6.061%	3.427%	2.646%	4.436%
ID	935	878	57	1,093,666	837,604	256,062	0.321%	0.228%	1.754%	17.711%	0.919%	72.639%
IL	1,430	1,326	104	9,217,990	3,017,593	6,200,397	1.818%	1.508%	5.769%	2.718%	2.553%	2.799%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.339%	0.280%	2.273%	0.047%	0.085%	0.004%
KY	241	92	149	4,602,392	375,363	4,227,029	14.523%	2.174%	22.148%	41.009%	2.265%	44.450%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.836%	0.667%	1.695%	2.076%	3.911%	1.604%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	1.518%	0.913%	10.294%	37.537%	1.981%	46.655%
ME	810	757	53	728,347	292,773	435,574	0.741%	0.793%	0.000%	0.223%	0.555%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.370%	0.137%	11.475%	2.411%	2.940%	2.209%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	3.034%	2.448%	33.333%	31.361%	6.370%	91.571%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.917%	0.522%	7.792%	5.219%	5.978%	4.244%
MT	848	788	60	757,949	365,280	392,669	0.472%	0.381%	1.667%	5.161%	0.175%	9.799%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	1.394%	1.032%	7.194%	4.948%	5.058%	4.912%
ND	208	181	27	562,292	257,067	305,225	0.481%	0.000%	3.704%	0.030%	0.000%	0.054%
NE	771	760	11	1,462,181	685,701	776,480	3.243%	3.158%	9.091%	37.521%	5.317%	65.960%
NH	1,258	1,217	41	948,788	398,989	549,799	0.238%	0.164%	2.439%	1.282%	0.041%	2.183%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	2.289%	1.984%	13.514%	25.374%	9.791%	33.767%
NM	726	687	39	1,698,755	1,432,207	266,548	1.653%	1.456%	5.128%	5.180%	6.052%	0.492%
NV	338	317	21	973,592	283,701	689,891	2.071%	1.893%	4.762%	1.880%	3.527%	1.203%
NY	1,522	1,287	235	4,889,304	1,042,687	3,846,617	0.657%	0.544%	1.277%	0.489%	2.087%	0.056%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.926%	0.605%	5.600%	4.948%	2.492%	6.033%
OK	730	518	212	3,123,687	664,833	2,458,854	2.329%	2.317%	2.358%	1.710%	2.032%	1.623%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.091%	0.106%	0.000%	0.110%	0.560%	0.000%
RI	145	136	9	913,884	173,906	739,978	2.069%	0.735%	22.222%	13.088%	0.345%	16.083%
SC	819	757	62	3,356,831	732,879	2,623,952	1.099%	0.925%	3.226%	1.076%	2.187%	0.765%
SD	245	233	12	266,416	194,218	72,198	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	2.564%	1.235%	3.704%	5.568%	0.453%	7.340%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	1.414%	0.998%	7.018%	7.728%	2.334%	10.899%
UT	500	454	46	2,553,197	1,698,877	854,320	0.200%	0.220%	0.000%	3.482%	5.233%	0.000%
VA	1,600	1,429	171	5,273,258	630,675	4,642,583	0.250%	0.210%	0.585%	0.093%	0.151%	0.085%
VT	603	560	43	491,035	227,067	263,968	1.327%	1.250%	2.326%	0.932%	0.175%	1.584%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	0.841%	0.737%	10.000%	4.268%	2.031%	7.373%
WV	403	243	160	1,416,020	237,670	1,178,350	5.459%	5.761%	5.000%	6.587%	1.659%	7.581%
WY	304	256	48	446,177	129,229	316,948	1.645%	1.172%	4.167%	0.243%	0.412%	0.174%
Total	50,446	46,190	4,256	226,934,787	86,397,574	140,537,213	1.289%	0.935%	5.122%	9.831%	3.419%	13.773%

Table A14c. Carbon tetrachloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 µg/L			Percent of Systems with At Least One Detection > 5 µg/L			Population Served by Systems with At Least One Detection > 5 µg/L			Percent of Population Served with At Least One Detection > 5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	1	0	0.380%	0.495%	0.000%	14,604	14,604	0	0.346%	1.300%	0.000%
AR	5	5	0	1.101%	1.309%	0.000%	7,904	7,904	0	0.322%	0.868%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	1,808	1,808	0	0.029%	0.065%	0.000%
CA	13	7	6	0.356%	0.223%	1.161%	4,866,041	95,742	4,770,299	13.581%	0.708%	21.380%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	2	2	0	0.189%	0.196%	0.000%	158	158	0	0.006%	0.011%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	400	400	0	0.004%	0.013%	0.000%
IN	1	1	0	0.068%	0.070%	0.000%	262	262	0	0.005%	0.010%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	1	1	0	0.139%	0.167%	0.000%	75	75	0	0.001%	0.004%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	3	3	0	0.370%	0.396%	0.000%	676	676	0	0.093%	0.231%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	85	85	0	0.001%	0.005%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	3	3	0	0.389%	0.395%	0.000%	1,620	1,620	0	0.111%	0.236%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	4	4	0	0.286%	0.294%	0.000%	6,101	6,101	0	0.079%	0.225%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	1	0	0.296%	0.315%	0.000%	600	600	0	0.062%	0.211%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.162%	0.000%
OH	2	2	0	0.103%	0.110%	0.000%	360	360	0	0.004%	0.011%	0.000%
OK	3	3	0	0.411%	0.579%	0.000%	8,250	8,250	0	0.264%	1.241%	0.000%
OR	1	1	0	0.091%	0.106%	0.000%	3,220	3,220	0	0.110%	0.560%	0.000%
RI	2	1	1	1.379%	0.735%	11.111%	51,350	600	50,750	5.619%	0.345%	6.858%
SC	2	2	0	0.244%	0.264%	0.000%	1,664	1,664	0	0.050%	0.227%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	1	0	0.020%	0.022%	0.000%	42	42	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.063%	0.070%	0.000%	60	60	0	0.001%	0.010%	0.000%
VT	3	3	0	0.498%	0.536%	0.000%	194	194	0	0.040%	0.085%	0.000%
WI	1	1	0	0.056%	0.057%	0.000%	105	105	0	0.003%	0.004%	0.000%
WV	2	1	1	0.496%	0.412%	0.625%	255	74	181	0.018%	0.031%	0.015%
WY	1	1	0	0.329%	0.391%	0.000%	45	45	0	0.010%	0.035%	0.000%
Total	57	49	8	0.113%	0.106%	0.188%	4,967,564	146,334	4,821,230	2.189%	0.169%	3.431%

Table A14d. Carbon tetrachloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	1	0	0.380%	0.495%	0.000%	14,604	14,604	0	0.346%	1.300%	0.000%
AR	6	6	0	1.322%	1.571%	0.000%	8,365	8,365	0	0.341%	0.919%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	1,808	1,808	0	0.029%	0.065%	0.000%
CA	20	9	11	0.547%	0.287%	2.128%	5,084,536	125,979	4,958,557	14.191%	0.932%	22.223%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	2	2	0	0.166%	0.171%	0.000%	2,834	2,834	0	0.104%	0.728%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	2	2	0	0.189%	0.196%	0.000%	158	158	0	0.006%	0.011%	0.000%
ID	1	1	0	0.107%	0.114%	0.000%	200	200	0	0.018%	0.024%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	400	400	0	0.004%	0.013%	0.000%
IN	1	1	0	0.068%	0.070%	0.000%	262	262	0	0.005%	0.010%	0.000%
KY	2	0	2	0.830%	0.000%	1.342%	53,226	0	53,226	1.156%	0.000%	1.259%
MA	2	2	0	0.279%	0.333%	0.000%	7,007	7,007	0	0.082%	0.400%	0.000%
MD	2	1	1	0.190%	0.101%	1.471%	13,952	296	13,656	0.278%	0.029%	0.342%
ME	3	3	0	0.370%	0.396%	0.000%	676	676	0	0.093%	0.231%	0.000%
MI	1	1	0	0.034%	0.034%	0.000%	45	45	0	0.001%	0.002%	0.000%
MN	1	1	0	0.063%	0.064%	0.000%	100	100	0	0.002%	0.003%	0.000%
MO	1	1	0	0.071%	0.075%	0.000%	90	90	0	0.003%	0.005%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	5	4	1	0.211%	0.180%	0.719%	13,028	6,658	6,370	0.186%	0.384%	0.121%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	3	3	0	0.389%	0.395%	0.000%	1,620	1,620	0	0.111%	0.236%	0.000%
NH	2	1	1	0.159%	0.082%	2.439%	12,123	123	12,000	1.278%	0.031%	2.183%
NJ	5	5	0	0.358%	0.367%	0.000%	6,381	6,381	0	0.082%	0.235%	0.000%
NM	5	4	1	0.689%	0.582%	2.564%	3,061	1,801	1,260	0.180%	0.126%	0.473%
NV	1	1	0	0.296%	0.315%	0.000%	600	600	0	0.062%	0.211%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.162%	0.000%
OH	3	2	1	0.154%	0.110%	0.800%	10,160	360	9,800	0.099%	0.011%	0.138%
OK	4	4	0	0.548%	0.772%	0.000%	8,500	8,500	0	0.272%	1.279%	0.000%
OR	1	1	0	0.091%	0.106%	0.000%	3,220	3,220	0	0.110%	0.560%	0.000%
RI	2	1	1	1.379%	0.735%	11.111%	51,350	600	50,750	5.619%	0.345%	6.858%
SC	5	4	1	0.611%	0.528%	1.613%	14,916	4,566	10,350	0.444%	0.623%	0.394%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	4	1	3	1.140%	0.617%	1.587%	40,657	5,294	35,363	0.715%	0.362%	0.837%
TX	8	7	1	0.162%	0.152%	0.292%	118,115	95,115	23,000	0.470%	1.023%	0.145%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.063%	0.070%	0.000%	60	60	0	0.001%	0.010%	0.000%
VT	4	4	0	0.663%	0.714%	0.000%	239	239	0	0.049%	0.105%	0.000%
WI	2	2	0	0.112%	0.113%	0.000%	13,415	13,415	0	0.332%	0.571%	0.000%
WV	2	1	1	0.496%	0.412%	0.625%	255	74	181	0.018%	0.031%	0.015%
WY	1	1	0	0.329%	0.391%	0.000%	45	45	0	0.010%	0.035%	0.000%
Total	106	81	25	0.210%	0.175%	0.587%	5,487,693	313,180	5,174,513	2.418%	0.362%	3.682%

Table A14e. Carbon tetrachloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	0	1	0.161%	0.000%	0.685%	34	0	34	0.006%	0.000%	0.009%
AL	6	4	2	2.281%	1.980%	3.279%	289,341	22,680	266,661	6.859%	2.019%	8.616%
AR	16	13	3	3.524%	3.403%	4.167%	57,851	35,581	22,270	2.358%	3.909%	1.443%
AZ	4	3	1	0.378%	0.297%	2.083%	8,565	7,465	1,100	0.139%	0.267%	0.033%
CA	37	17	20	1.012%	0.542%	3.868%	5,653,559	421,543	5,232,016	15.779%	3.119%	23.449%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	2	2	0	0.166%	0.171%	0.000%	2,834	2,834	0	0.104%	0.728%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	3	3	0	0.198%	0.202%	0.000%	125	125	0	0.001%	0.001%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	450	450	0	0.006%	0.028%	0.000%
HI	1	1	0	0.943%	1.064%	0.000%	650	650	0	0.050%	0.052%	0.000%
IA	3	2	1	0.284%	0.196%	3.030%	30,476	158	30,318	1.198%	0.011%	2.735%
ID	2	2	0	0.214%	0.228%	0.000%	7,700	7,700	0	0.704%	0.919%	0.000%
IL	5	3	2	0.350%	0.226%	1.923%	150,874	6,335	144,539	1.637%	0.210%	2.331%
IN	4	3	1	0.271%	0.210%	2.273%	2,259	2,162	97	0.046%	0.084%	0.004%
KY	10	1	9	4.149%	1.087%	6.040%	237,356	42	237,314	5.157%	0.011%	5.614%
MA	3	2	1	0.418%	0.333%	0.847%	77,214	7,007	70,207	0.902%	0.400%	1.031%
MD	7	4	3	0.664%	0.406%	4.412%	133,055	8,732	124,323	2.649%	0.852%	3.110%
ME	5	5	0	0.617%	0.661%	0.000%	1,411	1,411	0	0.194%	0.482%	0.000%
MI	5	2	3	0.168%	0.069%	4.918%	56,421	83	56,338	0.788%	0.004%	1.088%
MN	4	4	0	0.253%	0.258%	0.000%	21,419	21,419	0	0.503%	0.711%	0.000%
MO	7	4	3	0.494%	0.299%	3.896%	107,971	92,630	15,341	3.594%	5.482%	1.167%
MT	4	3	1	0.472%	0.381%	1.667%	39,118	641	38,477	5.161%	0.175%	9.799%
NC	14	11	3	0.591%	0.494%	2.158%	55,698	36,538	19,160	0.796%	2.108%	0.364%
ND	1	0	1	0.481%	0.000%	3.704%	166	0	166	0.030%	0.000%	0.054%
NE	11	11	0	1.427%	1.447%	0.000%	5,986	5,986	0	0.409%	0.873%	0.000%
NH	2	1	1	0.159%	0.082%	2.439%	12,123	123	12,000	1.278%	0.031%	2.183%
NJ	9	8	1	0.644%	0.588%	2.703%	325,501	13,625	311,876	4.201%	0.502%	6.193%
NM	6	5	1	0.826%	0.728%	2.564%	4,461	3,201	1,260	0.263%	0.224%	0.473%
NV	5	4	1	1.479%	1.262%	4.762%	15,031	6,731	8,300	1.544%	2.373%	1.203%
NY	3	3	0	0.197%	0.233%	0.000%	5,560	5,560	0	0.114%	0.533%	0.000%
OH	9	6	3	0.463%	0.330%	2.400%	123,433	6,581	116,852	1.207%	0.210%	1.647%
OK	8	7	1	1.096%	1.351%	0.472%	9,468	9,133	335	0.303%	1.374%	0.014%
OR	1	1	0	0.091%	0.106%	0.000%	3,220	3,220	0	0.110%	0.560%	0.000%
RI	2	1	1	1.379%	0.735%	11.111%	51,350	600	50,750	5.619%	0.345%	6.858%
SC	5	4	1	0.611%	0.528%	1.613%	14,916	4,566	10,350	0.444%	0.623%	0.394%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	5	2	3	1.425%	1.235%	1.587%	41,989	6,626	35,363	0.739%	0.453%	0.837%
TX	31	20	11	0.626%	0.434%	3.216%	420,783	160,639	260,144	1.676%	1.728%	1.645%
UT	1	1	0	0.200%	0.220%	0.000%	88,900	88,900	0	3.482%	5.233%	0.000%
VA	2	2	0	0.125%	0.140%	0.000%	680	680	0	0.013%	0.108%	0.000%
VT	5	4	1	0.829%	0.714%	2.326%	4,419	239	4,180	0.900%	0.105%	1.584%
WI	5	5	0	0.280%	0.283%	0.000%	17,828	17,828	0	0.441%	0.759%	0.000%
WV	4	2	2	0.993%	0.823%	1.250%	2,305	324	1,981	0.163%	0.136%	0.168%
WY	2	2	0	0.658%	0.781%	0.000%	153	153	0	0.034%	0.118%	0.000%
Total	261	179	82	0.517%	0.388%	1.927%	8,082,653	1,010,901	7,071,752	3.562%	1.170%	5.032%

Table A14f. Carbon tetrachloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3	2	1	0.484%	0.422%	0.685%	654	620	34	0.108%	0.267%	0.009%
AL	7	5	2	2.662%	2.475%	3.279%	295,146	28,485	266,661	6.997%	2.536%	8.616%
AR	34	26	8	7.489%	6.806%	11.111%	117,725	57,747	59,978	4.799%	6.344%	3.887%
AZ	5	3	2	0.472%	0.297%	4.167%	188,790	7,465	181,325	3.061%	0.267%	5.380%
CA	47	24	23	1.286%	0.765%	4.449%	6,223,723	625,811	5,597,912	17.371%	4.630%	25.089%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	3	2	1	0.249%	0.171%	2.564%	38,567	2,834	35,733	1.416%	0.728%	1.531%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	10	10	0	0.661%	0.672%	0.000%	23,869	23,869	0	0.136%	0.157%	0.000%
GA	7	3	4	0.384%	0.176%	3.448%	64,136	7,284	56,852	0.857%	0.457%	0.965%
HI	4	2	2	3.774%	2.128%	16.667%	34,202	22,946	11,256	2.644%	1.852%	20.605%
IA	6	4	2	0.568%	0.391%	6.061%	78,140	28,956	49,184	3.073%	2.019%	4.436%
ID	3	2	1	0.321%	0.228%	1.754%	193,700	7,700	186,000	17.711%	0.919%	72.639%
IL	23	19	4	1.608%	1.433%	3.846%	225,363	76,262	149,101	2.445%	2.527%	2.405%
IN	4	3	1	0.271%	0.210%	2.273%	2,259	2,162	97	0.046%	0.084%	0.004%
KY	18	1	17	7.469%	1.087%	11.409%	1,360,553	42	1,360,511	29.562%	0.011%	32.186%
MA	5	3	2	0.696%	0.500%	1.695%	153,562	44,374	109,188	1.795%	2.536%	1.604%
MD	11	8	3	1.044%	0.811%	4.412%	144,539	20,216	124,323	2.877%	1.972%	3.110%
ME	5	5	0	0.617%	0.661%	0.000%	1,411	1,411	0	0.194%	0.482%	0.000%
MI	8	3	5	0.269%	0.103%	8.197%	74,534	11,983	62,551	1.041%	0.606%	1.208%
MN	13	11	2	0.822%	0.709%	6.667%	494,839	28,247	466,592	11.615%	0.938%	37.337%
MO	9	5	4	0.635%	0.373%	5.195%	143,703	93,924	49,779	4.784%	5.559%	3.787%
MT	4	3	1	0.472%	0.381%	1.667%	39,118	641	38,477	5.161%	0.175%	9.799%
NC	31	22	9	1.310%	0.987%	6.475%	275,701	80,684	195,017	3.940%	4.656%	3.704%
ND	1	0	1	0.481%	0.000%	3.704%	166	0	166	0.030%	0.000%	0.054%
NE	20	19	1	2.594%	2.500%	9.091%	546,155	33,991	512,164	37.352%	4.957%	65.960%
NH	2	1	1	0.159%	0.082%	2.439%	12,123	123	12,000	1.278%	0.031%	2.183%
NJ	19	16	3	1.359%	1.176%	8.108%	1,088,924	110,182	978,742	14.053%	4.062%	19.435%
NM	11	10	1	1.515%	1.456%	2.564%	87,943	86,683	1,260	5.177%	6.052%	0.473%
NV	7	6	1	2.071%	1.893%	4.762%	18,306	10,006	8,300	1.880%	3.527%	1.203%
NY	4	4	0	0.263%	0.311%	0.000%	19,060	19,060	0	0.390%	1.828%	0.000%
OH	16	10	6	0.823%	0.550%	4.800%	244,937	32,451	212,486	2.395%	1.036%	2.995%
OK	12	9	3	1.644%	1.737%	1.415%	26,926	10,169	16,757	0.862%	1.530%	0.681%
OR	1	1	0	0.091%	0.106%	0.000%	3,220	3,220	0	0.110%	0.560%	0.000%
RI	3	1	2	2.069%	0.735%	22.222%	119,613	600	119,013	13.088%	0.345%	16.083%
SC	9	7	2	1.099%	0.925%	3.226%	36,110	16,029	20,081	1.076%	2.187%	0.765%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	8	2	6	2.279%	1.235%	3.175%	110,433	6,626	103,807	1.942%	0.453%	2.458%
TX	60	40	20	1.212%	0.868%	5.848%	1,805,395	201,982	1,603,413	7.189%	2.173%	10.139%
UT	1	1	0	0.200%	0.220%	0.000%	88,900	88,900	0	3.482%	5.233%	0.000%
VA	4	3	1	0.250%	0.210%	0.585%	4,902	950	3,952	0.093%	0.151%	0.085%
VT	7	6	1	1.161%	1.071%	2.326%	4,537	357	4,180	0.924%	0.157%	1.584%
WI	5	5	0	0.280%	0.283%	0.000%	17,828	17,828	0	0.441%	0.759%	0.000%
WV	5	2	3	1.241%	0.823%	1.875%	12,670	324	12,346	0.895%	0.136%	1.048%
WY	4	3	1	1.316%	1.172%	2.083%	1,023	533	490	0.229%	0.412%	0.155%
Total	459	312	147	0.910%	0.675%	3.454%	14,423,405	1,813,677	12,609,728	6.356%	2.099%	8.973%

Table A15. Chlordane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 2 µg/L	28,808	4	0.014%	66,936,780	625	0.001%
	≥ 1 µg/L	28,808	12	0.042%	66,936,780	1,645	0.002%
Surface Water	> 2 µg/L	3,033	0	0.000%	115,100,195	0	0.000%
	≥ 1 µg/L	3,033	0	0.000%	115,100,195	0	0.000%
Combined Ground & Surface Water	> 2 µg/L	31,841	4	0.013%	182,036,975	625	0.000%
	≥ 1 µg/L	31,841	12	0.038%	182,036,975	1,645	0.001%



Table A15a. Chlordane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	103	52	51	0.000%	0.000%	0.000%												
AL	499	370	129	0.802%	0.000%	3.101%	0.1		0.1	0.1		0.1	0.2		0.2	0.2		0.2
AR	1,663	1,422	241	0.000%	0.000%	0.000%												
AZ	6,816	5,381	1,435	0.015%	0.019%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
CA	12,986	7,473	5,513	0.000%	0.000%	0.000%												
CO	2,556	1,854	702	0.000%	0.000%	0.000%												
CT	1,506	1,185	321	0.133%	0.169%	0.000%	2.2	2.2		2.2	2.2		2.2	2.2		2.2	2.2	
DE	272	254	18	0.000%	0.000%	0.000%												
FL	2,375	2,310	65	0.589%	0.606%	0.000%	0.008	0.008		0.1	0.1		0.22	0.22		0.71	0.71	
GA	1,491	1,410	81	0.000%	0.000%	0.000%												
HI	2,101	2,004	97	0.048%	0.050%	0.000%	0.3	0.3		0.3	0.3		0.3	0.3		0.3	0.3	
IA	45	29	16	0.000%	0.000%	0.000%												
ID	1,806	1,548	258	0.000%	0.000%	0.000%												
IL	4,685	3,945	740	0.000%	0.000%	0.000%												
IN	2,234	2,070	164	0.000%	0.000%	0.000%												
KY	1,717	437	1,280	0.291%	0.000%	0.391%	0.06		0.06	0.25		0.25	0.3		0.3	0.3		0.3
MA	2,964	2,184	780	0.135%	0.092%	0.256%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MD	2,712	1,724	988	0.037%	0.058%	0.000%	1	1		1	1		1	1		1	1	
ME	387	339	48	0.000%	0.000%	0.000%												
MI	3,613	3,399	214	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	5,237	4,499	738	0.000%	0.000%	0.000%												
MT	2,994	2,693	301	0.000%	0.000%	0.000%												
NC	13,580	12,449	1,131	0.810%	0.884%	0.000%	0.04	0.04		0.565	0.565		1.85	1.85		5.4	5.4	
ND	409	343	66	0.000%	0.000%	0.000%												
NE	4,061	3,748	313	0.049%	0.053%	0.000%	0.3	0.3		0.305	0.305		0.31	0.31		0.31	0.31	
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	5	5	0	0.000%	0.000%	0.000%												
NM	4,281	4,033	248	0.023%	0.025%	0.000%	0.02	0.02		0.02	0.02		0.02	0.02		0.02	0.02	
NV	1,620	1,198	422	0.000%	0.000%	0.000%												
NY	2,884	2,173	711	0.035%	0.046%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
OH	238	105	133	0.000%	0.000%	0.000%												
OK																		
OR	2,050	1,567	483	0.000%	0.000%	0.000%												
RI	601	414	187	0.166%	0.242%	0.000%	0.53	0.53		0.53	0.53		0.53	0.53		0.53	0.53	
SC	2,964	2,569	395	0.202%	0.195%	0.253%	0.4	0.4	0.9	1.075	1.13	0.9	1.7	1.7	0.9	1.7	1.7	0.9
SD	953	844	109	0.000%	0.000%	0.000%												
TN	62	12	50	0.000%	0.000%	0.000%												
TX	11,042	5,282	5,760	0.036%	0.057%	0.017%	0.1	0.1	0.13	0.115	0.1	0.13	0.22	0.22	0.13	0.22	0.22	0.13
UT	7,103	5,922	1,181	0.000%	0.000%	0.000%												
VA	501	178	323	0.000%	0.000%	0.000%												
VT	1,279	1,089	190	0.078%	0.092%	0.000%	0.05	0.05		0.05	0.05		0.05	0.05		0.05	0.05	
WI	3,178	3,083	95	0.000%	0.000%	0.000%												
WV	643	336	307	1.711%	2.381%	0.977%	0.005	0.005	0.02	0.02	0.0137	0.02	0.02	0.02	0.5	0.5	0.02	0.5
WY	1,283	963	320	0.078%	0.104%	0.000%	0.4	0.4		0.4	0.4		0.4	0.4		0.4	0.4	
Total	128,453	101,389	27,064	0.132%	0.152%	0.059%	0.005	0.005	0.02	0.38	0.4	0.1	1.59	1.6	0.5	5.4	5.4	0.9

Table A15b. Chlordane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	15	9	6	246,299	14,189	232,110	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	171	126	45	2,702,037	589,449	2,112,588	0.585%	0.000%	2.222%	1.445%	0.000%	1.848%
AR	450	379	71	2,447,627	905,863	1,541,764	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	946	898	48	6,079,868	2,709,277	3,370,591	0.106%	0.111%	0.000%	0.016%	0.037%	0.000%
CA	1,602	1,315	287	33,465,085	11,798,465	21,666,620	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CO	814	595	219	4,993,005	526,096	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	662	624	38	2,596,395	262,508	2,333,887	0.151%	0.160%	0.000%	0.003%	0.030%	0.000%
DE	115	112	3	480,758	199,358	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,308	1,287	21	16,785,207	14,546,031	2,239,176	0.612%	0.622%	0.000%	15.623%	18.027%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	112	100	12	1,305,882	1,251,254	54,628	0.893%	1.000%	0.000%	4.860%	5.072%	0.000%
IA	4	3	1	162,217	27,600	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	721	674	47	978,754	742,078	236,676	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,371	1,267	104	9,186,700	2,986,303	6,200,397	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,402	1,358	44	4,866,720	2,546,984	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	242	93	149	4,602,489	375,460	4,227,029	1.240%	0.000%	2.013%	6.983%	0.000%	7.603%
MA	644	527	117	8,485,233	1,682,851	6,802,382	0.466%	0.380%	0.855%	0.905%	1.961%	0.643%
MD	860	792	68	4,905,976	907,869	3,998,107	0.116%	0.126%	0.000%	0.006%	0.030%	0.000%
ME	228	204	24	473,968	103,532	370,436	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,147	2,088	59	6,913,331	1,752,006	5,161,325	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,384	1,308	76	2,624,615	1,680,154	944,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	1.015%	1.077%	0.000%	0.064%	0.256%	0.000%
ND	209	182	27	559,198	253,973	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	737	726	11	1,453,762	677,282	776,480	0.271%	0.275%	0.000%	0.153%	0.328%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	2	2	0	6,121	6,121	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	693	657	36	1,662,757	1,399,859	262,898	0.144%	0.152%	0.000%	1.416%	1.682%	0.000%
NV	290	269	21	960,897	271,006	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,347	1,117	230	4,923,256	981,566	3,941,690	0.074%	0.090%	0.000%	0.001%	0.006%	0.000%
OH	46	36	10	3,538,076	147,544	3,390,532	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,084	934	150	2,937,104	572,354	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	86	77	9	902,061	162,083	739,978	1.163%	1.299%	0.000%	0.007%	0.037%	0.000%
SC	773	714	59	3,427,802	801,019	2,626,783	0.517%	0.420%	1.695%	1.190%	0.031%	1.544%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	13	6	7	675,214	145,112	530,102	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	0.200%	0.180%	0.297%	1.004%	0.137%	1.320%
UT	426	390	36	2,500,736	1,667,550	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	182	71	111	2,391,215	30,317	2,360,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	437	404	33	436,586	185,422	251,164	0.229%	0.248%	0.000%	0.071%	0.166%	0.000%
WI	1,409	1,389	20	3,883,768	2,192,024	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	343	196	147	1,368,815	204,156	1,164,659	2.624%	4.082%	0.680%	0.441%	0.812%	0.376%
WY	304	256	48	446,177	129,229	316,948	0.329%	0.391%	0.000%	0.006%	0.021%	0.000%
Total	31,841	28,808	3,033	182,036,975	66,936,780	115,100,195	0.210%	0.205%	0.264%	1.878%	4.124%	0.571%

Table A15c. Chlordane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 2 µg/L			Percent of Systems with At Least One Detection > 2 µg/L			Population Served by Systems with At Least One Detection > 2 µg/L			Percent of Population Served with At Least One Detection > 2 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.151%	0.160%	0.000%	80	80	0	0.003%	0.030%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	3	0	0.127%	0.135%	0.000%	545	545	0	0.008%	0.031%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	4	4	0	0.013%	0.014%	0.000%	625	625	0	0.000%	0.001%	0.000%

Table A15d. Chlordane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.151%	0.160%	0.000%	80	80	0	0.003%	0.030%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	1	0	0.116%	0.126%	0.000%	276	276	0	0.006%	0.030%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	8	8	0	0.338%	0.359%	0.000%	1,139	1,139	0	0.017%	0.066%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	2	2	0	0.259%	0.280%	0.000%	150	150	0	0.004%	0.019%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	12	12	0	0.038%	0.042%	0.000%	1,645	1,645	0	0.001%	0.002%	0.000%

Table A16. Chromium (total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.1 mg/L	44,905	37	0.082%	85,254,121	122,695	0.144%
	≥ 0.05 mg/L	44,905	144	0.321%	85,254,121	1,064,526	1.249%
Surface Water	> 0.1 mg/L	4,003	6	0.150%	144,374,309	593,922	0.411%
	≥ 0.05 mg/L	4,003	28	0.699%	144,374,309	8,424,108	5.835%
Combined Ground & Surface Water	> 0.1 mg/L	48,908	43	0.088%	229,628,430	716,617	0.312%
	≥ 0.05 mg/L	48,908	172	0.352%	229,628,430	9,488,634	4.132%



Table A16b. Chromium (total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	494	392	102	550,696	210,676	340,020	28.340%	30.612%	19.608%	58.648%	44.688%	67.298%
AL	352	279	73	4,701,100	1,463,066	3,238,034	17.614%	13.620%	32.877%	21.547%	10.711%	26.443%
AR	453	381	72	2,452,800	909,774	1,543,026	16.336%	16.535%	15.278%	16.180%	30.775%	7.575%
AZ	1,049	1,001	48	6,161,306	2,790,715	3,370,591	65.586%	64.935%	79.167%	90.247%	80.259%	98.517%
CA	3,726	3,206	520	36,184,328	13,391,438	22,792,890	33.682%	33.250%	36.346%	61.672%	55.862%	65.086%
CO	838	617	221	4,998,506	533,275	4,465,231	45.346%	41.005%	57.466%	71.311%	53.259%	73.467%
CT	1,170	1,131	39	2,716,176	382,254	2,333,922	7.692%	6.631%	38.462%	51.679%	10.602%	58.407%
DE	280	277	3	679,723	398,323	281,400	78.214%	77.978%	100.000%	95.635%	92.551%	100.000%
FL	1,331	1,305	26	17,170,469	14,924,427	2,246,042	36.063%	36.398%	19.231%	41.965%	45.397%	19.159%
GA	1,600	1,485	115	7,244,380	1,352,049	5,892,331	0.125%	0.067%	0.870%	0.241%	0.005%	0.295%
HI	107	95	12	1,303,767	1,249,139	54,628	42.056%	47.368%	0.000%	83.732%	87.394%	0.000%
IA	966	933	33	2,500,343	1,391,717	1,108,626	1.760%	1.501%	9.091%	11.875%	5.261%	20.178%
ID	893	847	46	1,047,634	805,559	242,075	25.644%	26.328%	13.043%	59.193%	50.401%	88.454%
IL	1,490	1,387	103	9,168,134	2,968,062	6,200,072	11.208%	10.671%	18.447%	52.122%	20.600%	67.212%
IN	1,622	1,573	49	4,979,847	2,619,392	2,360,455	38.779%	38.334%	53.061%	56.974%	56.626%	57.361%
KY	242	93	149	4,602,489	375,460	4,227,029	33.884%	27.957%	37.584%	46.067%	47.799%	45.913%
MA	676	558	118	8,525,575	1,718,151	6,807,424	11.538%	10.394%	16.949%	48.915%	10.397%	58.636%
MD	1,038	970	68	5,022,488	1,024,381	3,998,107	12.139%	11.443%	22.059%	40.340%	12.564%	47.457%
ME	807	753	54	727,775	292,171	435,604	73.110%	74.635%	51.852%	44.445%	81.021%	19.912%
MI	2,994	2,942	52	6,682,527	1,890,196	4,792,331	46.961%	47.417%	21.154%	22.623%	47.023%	13.000%
MN	1,459	1,432	27	3,959,159	2,725,622	1,233,537	0.206%	0.209%	0.000%	0.541%	0.786%	0.000%
MO	1,421	1,344	77	3,006,743	1,692,282	1,314,461	15.201%	13.616%	42.857%	26.766%	31.685%	20.433%
MT	846	787	59	757,540	365,141	392,399	3.901%	3.685%	6.780%	11.199%	22.024%	1.126%
NC	2,285	2,146	139	6,973,879	1,708,713	5,265,166	8.140%	7.735%	14.388%	27.250%	17.762%	30.329%
ND	217	190	27	563,069	257,844	305,225	66.359%	70.000%	40.741%	38.932%	58.255%	22.609%
NE	731	720	11	1,449,290	672,810	776,480	70.725%	70.556%	81.818%	86.523%	72.096%	99.024%
NH	1,216	1,175	41	942,517	392,718	549,799	2.796%	2.894%	0.000%	2.678%	6.427%	0.000%
NJ	1,374	1,337	37	7,762,423	2,726,477	5,035,946	11.063%	10.396%	35.135%	39.061%	19.241%	49.791%
NM	724	685	39	1,667,433	1,400,885	266,548	81.768%	81.752%	82.051%	94.160%	97.592%	76.121%
NV	325	305	20	970,653	280,854	689,799	66.769%	65.574%	85.000%	93.740%	79.607%	99.494%
NY	1,580	1,339	241	11,202,468	1,223,020	9,979,448	13.481%	11.128%	26.556%	17.482%	11.833%	18.174%
OH	1,916	1,791	125	10,217,699	3,122,762	7,094,937	9.603%	9.883%	5.600%	20.211%	10.483%	24.493%
OK	202	175	27	749,266	276,712	472,554	11.881%	12.000%	11.111%	41.134%	31.099%	47.011%
OR	735	613	122	2,777,179	487,433	2,289,746	13.061%	13.866%	9.016%	43.130%	13.349%	49.470%
RI	143	134	9	913,584	173,606	739,978	26.573%	24.627%	55.556%	31.470%	30.552%	31.686%
SC	823	758	65	3,468,333	809,806	2,658,527	3.524%	3.826%	0.000%	1.093%	4.679%	0.000%
SD	235	224	11	328,972	237,011	91,961	50.638%	50.446%	54.545%	49.957%	61.523%	20.149%
TN	350	161	189	5,683,572	1,460,816	4,222,756	12.857%	9.317%	15.873%	23.007%	5.355%	29.113%
TX	4,930	4,587	343	25,070,435	9,285,450	15,784,985	23.103%	22.695%	28.571%	39.452%	43.354%	37.157%
UT	507	457	50	2,543,652	1,686,017	857,635	26.036%	24.945%	36.000%	66.160%	59.681%	78.898%
VA	1,582	1,414	168	4,803,450	634,384	4,169,066	2.402%	2.405%	2.381%	2.487%	1.979%	2.564%
VT	600	557	43	490,839	226,871	263,968	10.833%	10.772%	11.628%	3.851%	5.310%	2.597%
WI	1,823	1,803	20	4,044,416	2,352,672	1,691,744	44.542%	44.038%	90.000%	78.049%	64.299%	97.171%
WV	452	291	161	1,415,612	234,822	1,180,790	7.522%	7.216%	8.075%	17.920%	9.340%	19.626%
WY	304	255	49	446,184	129,168	317,016	6.250%	5.490%	10.204%	37.751%	24.235%	43.258%
Total	48,908	44,905	4,003	229,628,430	85,254,121	144,374,309	24.209%	24.044%	26.055%	41.226%	40.204%	41.829%

Table A16c. Chromium (total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.1 mg/L			Percent of Systems with At Least One Detection > 0.1 mg/L			Population Served by Systems with At Least One Detection > 0.1 mg/L			Percent of Population Served with At Least One Detection > 0.1 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	4	4	0	0.381%	0.400%	0.000%	26,656	26,656	0	0.433%	0.955%	0.000%
CA	10	8	2	0.268%	0.250%	0.385%	334,074	66,156	267,918	0.923%	0.494%	1.175%
CO	1	0	1	0.119%	0.000%	0.452%	7,124	0	7,124	0.143%	0.000%	0.160%
CT	2	2	0	0.171%	0.177%	0.000%	505	505	0	0.019%	0.132%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.075%	0.077%	0.000%	65	65	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.067%	0.072%	0.000%	60	60	0	0.001%	0.002%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	3	0	0.131%	0.140%	0.000%	1,170	1,170	0	0.017%	0.068%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	6	6	0	0.437%	0.449%	0.000%	1,355	1,355	0	0.017%	0.050%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	1	0	0.308%	0.328%	0.000%	200	200	0	0.021%	0.071%	0.000%
NY	1	1	0	0.063%	0.075%	0.000%	100	100	0	0.001%	0.008%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	1	1	0	0.495%	0.571%	0.000%	4,056	4,056	0	0.541%	1.466%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	1	0	0.122%	0.132%	0.000%	16,197	16,197	0	0.467%	2.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	1	0	0.020%	0.022%	0.000%	758	758	0	0.003%	0.008%	0.000%
UT	5	3	2	0.986%	0.656%	4.000%	319,950	1,550	318,400	12.578%	0.092%	37.125%
VA	1	1	0	0.063%	0.071%	0.000%	34	34	0	0.001%	0.005%	0.000%
VT	1	0	1	0.167%	0.000%	2.326%	480	0	480	0.098%	0.000%	0.182%
WI	3	3	0	0.165%	0.166%	0.000%	3,833	3,833	0	0.095%	0.163%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	43	37	6	0.088%	0.082%	0.150%	716,617	122,695	593,922	0.312%	0.144%	0.411%



Table A16d. Chromium (total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 0.05 mg/L			Percent of Systems with At Least One Detection ≥ 0.05 mg/L			Population Served by Systems with At Least One Detection ≥ 0.05 mg/L			Percent of Population Served with At Least One Detection ≥ 0.05 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	1	0	0.202%	0.255%	0.000%	96	96	0	0.017%	0.046%	0.000%
AL	1	0	1	0.284%	0.000%	1.370%	2,400	0	2,400	0.051%	0.000%	0.074%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	28	22	6	2.669%	2.198%	12.500%	2,496,990	211,683	2,285,307	40.527%	7.585%	67.801%
CA	30	23	7	0.805%	0.717%	1.346%	5,198,940	365,698	4,833,242	14.368%	2.731%	21.205%
CO	4	2	2	0.477%	0.324%	0.905%	53,002	190	52,812	1.060%	0.036%	1.183%
CT	16	16	0	1.368%	1.415%	0.000%	13,371	13,371	0	0.492%	3.498%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	3	3	0	0.225%	0.230%	0.000%	41,226	41,226	0	0.240%	0.276%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	2	2	0	0.207%	0.214%	0.000%	761	761	0	0.030%	0.055%	0.000%
ID	1	1	0	0.112%	0.118%	0.000%	116	116	0	0.011%	0.014%	0.000%
IL	3	3	0	0.201%	0.216%	0.000%	844	844	0	0.009%	0.028%	0.000%
IN	5	5	0	0.308%	0.318%	0.000%	79,139	79,139	0	1.589%	3.021%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	1	0	1	0.148%	0.000%	0.847%	37,615	0	37,615	0.441%	0.000%	0.553%
MD	5	5	0	0.482%	0.515%	0.000%	18,754	18,754	0	0.373%	1.831%	0.000%
ME	1	1	0	0.124%	0.133%	0.000%	15,000	15,000	0	2.061%	5.134%	0.000%
MI	4	4	0	0.134%	0.136%	0.000%	535	535	0	0.008%	0.028%	0.000%
MN	1	1	0	0.069%	0.070%	0.000%	233	233	0	0.006%	0.009%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	80	80	0	0.011%	0.022%	0.000%
NC	8	7	1	0.350%	0.326%	0.719%	10,121	4,466	5,655	0.145%	0.261%	0.107%
ND	1	1	0	0.461%	0.526%	0.000%	466	466	0	0.083%	0.181%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	1	1	0	0.082%	0.085%	0.000%	145	145	0	0.015%	0.037%	0.000%
NJ	9	8	1	0.655%	0.598%	2.703%	739,714	63,460	676,254	9.529%	2.328%	13.429%
NM	2	2	0	0.276%	0.292%	0.000%	5,118	5,118	0	0.307%	0.365%	0.000%
NV	2	2	0	0.615%	0.656%	0.000%	960	960	0	0.099%	0.342%	0.000%
NY	1	1	0	0.063%	0.075%	0.000%	100	100	0	0.001%	0.008%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	9	7	2	4.455%	4.000%	7.407%	257,518	57,519	199,999	34.369%	20.787%	42.323%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	7	7	0	0.851%	0.923%	0.000%	19,187	19,187	0	0.553%	2.369%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	0	1	0.286%	0.000%	0.529%	4,694	0	4,694	0.083%	0.000%	0.111%
TX	4	4	0	0.081%	0.087%	0.000%	157,394	157,394	0	0.628%	1.695%	0.000%
UT	9	5	4	1.775%	1.094%	8.000%	326,080	1,830	324,250	12.819%	0.109%	37.807%
VA	1	1	0	0.063%	0.071%	0.000%	34	34	0	0.001%	0.005%	0.000%
VT	4	2	2	0.667%	0.359%	4.651%	2,215	335	1,880	0.451%	0.148%	0.712%
WI	5	5	0	0.274%	0.277%	0.000%	5,586	5,586	0	0.138%	0.237%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	1	1	0	0.329%	0.392%	0.000%	200	200	0	0.045%	0.155%	0.000%
Total	172	144	28	0.352%	0.321%	0.699%	9,488,634	1,064,526	8,424,108	4.132%	1.249%	5.835%

Table A17. Cyanide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.2 mg/L	29,277	39	0.133%	66,122,477	222,909	0.337%
	≥ 0.1 mg/L	29,277	91	0.311%	66,122,477	546,722	0.827%
Surface Water	> 0.2 mg/L	2,790	5	0.179%	96,336,123	33,999	0.035%
	≥ 0.1 mg/L	2,790	26	0.932%	96,336,123	1,304,404	1.354%
Combined Ground & Surface Water	> 0.2 mg/L	32,067	44	0.137%	162,458,600	256,908	0.158%
	≥ 0.1 mg/L	32,067	117	0.365%	162,458,600	1,851,126	1.139%

Table A17a. Cyanide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1,491	1,063	428	1.006%	1.223%	0.467%	0.0058	0.0058	0.006	0.0078	0.0078	0.103	0.1	0.02	0.2	0.2	0.1	0.2
AL	2,652	1,833	819	1.697%	1.146%	2.930%	0.001	0.003	0.001	0.02	0.02	0.02	0.09	0.06	0.2	0.33	0.33	0.3
AR	2,234	1,576	658	2.238%	3.109%	0.152%	0.05	0.05	0.2	0.18	0.18	0.2	0.58	0.58	0.2	0.96	0.96	0.2
AZ	5,817	4,579	1,238	1.014%	1.157%	0.485%	0.005	0.005	0.008	0.01	0.01	0.045	0.08	0.05	0.1	0.24	0.24	0.1
CA	21,206	11,890	9,316	0.307%	0.378%	0.215%	0.0011	0.0011	0.002	0.04	0.09	0.02	0.1	0.1	0.105	0.22	0.22	0.17
CO	737	391	346	4.613%	5.115%	4.046%	0.0061	0.007	0.0061	0.01	0.01	0.015	0.04	0.02	0.15	0.2	0.04	0.2
CT	2,595	1,868	727	1.426%	1.338%	1.651%	0.01	0.01	0.01	0.01	0.01	0.065	0.15	0.15	0.1	0.26	0.26	0.17
DE	204	201	3	0.490%	0.498%	0.000%	0.008	0.008		0.008	0.008		0.008	0.008		0.008	0.008	
FL	2,151	2,082	69	6.927%	6.868%	8.696%	0.001	0.001	0.003	0.005	0.005	0.0055	0.01	0.01	0.01	0.2	0.2	0.01
GA	7	6	1	0.000%	0.000%	0.000%												
HI	3,166	3,075	91	0.000%	0.000%	0.000%												
IA	32	23	9	9.375%	0.000%	33.333%	0.01		0.01	0.01		0.01	0.03		0.03	0.03		0.03
ID	475	443	32	1.263%	1.129%	3.125%	0.006	0.006	0.007	0.01	0.01	0.007	0.03	0.03	0.007	0.03	0.03	0.007
IL	2,800	2,386	414	1.464%	1.509%	1.208%	0.005	0.005	0.01	0.01	0.01	0.01	0.07	0.07	0.03	0.2	0.2	0.03
IN	3,800	3,568	232	2.263%	2.214%	3.017%	0.0009	0.0009	0.009	0.01	0.01	0.05	0.05	0.03	0.09	0.11	0.11	0.09
KY	1,754	529	1,225	4.333%	2.457%	5.143%	0.001	0.001	0.002	0.01	0.02	0.01	0.03	0.03	0.03	0.57	0.06	0.57
MA	2,956	1,996	960	1.996%	1.954%	2.083%	0.004	0.01	0.004	0.02	0.02	0.01	0.05	0.05	0.02	0.07	0.07	0.02
MD	81	53	28	25.926%	37.736%	3.571%	0.001	0.001	0.04	0.01	0.01	0.04	0.01	0.01	0.04	0.04	0.01	0.04
ME	2,046	1,706	340	1.515%	1.524%	1.471%	0.005	0.005	0.005	0.006	0.0075	0.005	0.01	0.02	0.01	0.02	0.02	0.01
MI	6,016	6,011	5	0.050%	0.050%	0.000%	0.005	0.005		0.005	0.005		0.15	0.15		0.15	0.15	
MN	4,456	4,368	88	0.314%	0.321%	0.000%	0.1	0.1		0.16	0.16		0.4	0.4		1.59	1.59	
MO	2,748	2,726	22	0.073%	0.073%	0.000%	0.16	0.16		0.185	0.185		0.21	0.21		0.21	0.21	
MT	39	28	11	2.564%	0.000%	9.091%	0.01		0.01	0.01		0.01	0.01		0.01	0.01		0.01
NC	9,239	7,796	1,443	2.316%	1.911%	4.505%	0.002	0.002	0.002	0.005	0.005	0.004	0.03	0.03	0.04	0.18	0.18	0.18
ND	45	26	19	11.111%	19.231%	0.000%	0.005	0.005		0.005	0.005		0.01	0.01		0.01	0.01	
NE	3,133	3,021	112	0.255%	0.265%	0.000%	0.08	0.08		0.16	0.16		0.34	0.34		0.34	0.34	
NH	2,945	2,781	164	0.917%	0.971%	0.000%	0.00314	0.00314		0.01	0.01		0.23	0.23		1.6	1.6	
NJ	5,960	5,484	476	2.869%	2.936%	2.101%	0.001	0.001	0.002	0.004	0.004	0.0045	0.02	0.02	0.02	0.14	0.14	0.02
NM	3,477	3,163	314	1.582%	1.518%	2.229%	0.0039	0.0039	0.006	0.17	0.165	0.19	0.79	0.79	1.88	1.88	1.88	1.88
NV	1,976	1,492	484	0.709%	0.603%	1.033%	0.005	0.005	0.01	0.01	0.02	0.01	0.07	0.07	0.11	0.11	0.07	0.11
NY	3,227	2,433	794	2.882%	3.206%	1.889%	0.0009	0.0009	0.002	0.003	0.002	0.01	0.03	0.03	0.1	0.3	0.3	0.14
OH	3,287	2,698	589	0.913%	0.815%	1.358%	0.005	0.005	0.005	0.01	0.0095	0.015	0.02	0.02	0.04	0.04	0.03	0.04
OK	16	12	4	0.000%	0.000%	0.000%												
OR	1,308	949	359	0.459%	0.527%	0.279%	0.0055	0.009	0.0055	0.02	0.02	0.0055	1.88	1.88	0.0055	1.88	1.88	0.0055
RI	845	614	231	0.237%	0.326%	0.000%	0.01	0.01		0.015	0.015		0.02	0.02		0.02	0.02	
SC																		
SD	98	91	7	1.020%	1.099%	0.000%	0.005	0.005		0.005	0.005		0.005	0.005		0.005	0.005	
TN	1,796	635	1,161	4.287%	3.150%	4.910%	0.002	0.002	0.002	0.0053	0.00545	0.005	0.02	0.015	0.02	0.08	0.02	0.08
TX	491	488	3	0.815%	0.820%	0.000%	0.01	0.01		0.01	0.01		0.02	0.02		0.02	0.02	
UT	6,923	5,441	1,482	4.622%	4.190%	6.208%	0.001	0.0012	0.001	0.003	0.004	0.002	0.01	0.02	0.01	0.28	0.08	0.28
VA	1,155	961	194	1.039%	0.937%	1.546%	0.006	0.006	0.01	0.01	0.01	0.01	0.04	0.07	0.03	0.07	0.07	0.03
VT	1,934	1,596	338	1.706%	1.754%	1.479%	0.003	0.003	0.01	0.01	0.01	0.01	0.02	0.05	0.02	0.2	0.2	0.02
WI	602	532	70	2.159%	2.444%	0.000%	0.001	0.001		0.005	0.005		0.01	0.01		0.03	0.03	
WV	1,106	424	682	4.882%	8.255%	2.786%	0.002	0.002	0.002	0.007	0.007	0.007	0.04	0.04	0.04	0.1	0.07	0.1
WY	1,342	893	449	0.373%	0.560%	0.000%	0.0026	0.0026		0.01	0.01		1.93	1.93		1.93	1.93	
Total	120,368	93,931	26,437	1.613%	1.559%	1.808%	0.0009	0.0009	0.001	0.0089	0.009	0.0085	0.08	0.1	0.05	1.93	1.93	1.88

Table A17b. Cyanide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	609	467	142	568,407	230,700	337,707	2.463%	2.784%	1.408%	2.871%	2.420%	3.180%
AL	352	279	73	4,701,100	1,463,066	3,238,034	7.955%	5.376%	17.808%	31.047%	12.510%	39.423%
AR	453	381	72	2,452,800	909,774	1,543,026	2.428%	2.625%	1.389%	0.676%	1.071%	0.443%
AZ	1,047	999	48	6,145,727	2,775,136	3,370,591	4.680%	4.605%	6.250%	40.905%	30.273%	49.658%
CA	1,801	1,479	322	34,623,489	12,638,467	21,985,022	2.277%	1.758%	4.658%	4.500%	4.833%	4.308%
CO	318	198	120	3,180,552	240,188	2,940,364	8.491%	7.071%	10.833%	52.182%	16.776%	55.075%
CT	1,169	1,130	39	2,716,062	382,140	2,333,922	2.652%	2.212%	15.385%	19.305%	1.258%	22.259%
DE	112	111	1	229,152	89,152	140,000	0.893%	0.901%	0.000%	0.058%	0.148%	0.000%
FL	1,336	1,310	26	17,258,004	15,011,962	2,246,042	6.961%	6.870%	11.538%	35.735%	38.535%	17.019%
GA	6	5	1	46,526	43,855	2,671	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	112	100	12	1,305,882	1,251,254	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	15	14	1	176,854	42,237	134,617	6.667%	0.000%	100.000%	76.118%	0.000%	100.000%
ID	273	261	12	776,003	556,213	219,790	2.198%	1.916%	8.333%	24.559%	0.823%	84.626%
IL	1,231	1,130	101	9,073,158	2,873,930	6,199,228	3.168%	3.097%	3.960%	1.834%	4.601%	0.551%
IN	1,543	1,500	43	4,582,001	2,258,101	2,323,900	5.250%	5.067%	11.628%	33.062%	15.284%	50.336%
KY	242	93	149	4,602,489	375,460	4,227,029	23.967%	12.903%	30.872%	29.176%	5.821%	31.250%
MA	676	558	118	8,521,949	1,714,525	6,807,424	5.917%	5.018%	10.169%	47.502%	7.885%	57.480%
MD	47	37	10	345,679	150,329	195,350	38.298%	45.946%	10.000%	12.499%	7.481%	16.360%
ME	789	735	54	726,469	290,865	435,604	3.929%	3.537%	9.259%	9.624%	8.736%	10.218%
MI	2,739	2,735	4	967,203	907,315	59,888	0.110%	0.110%	0.000%	0.044%	0.047%	0.000%
MN	1,593	1,564	29	4,265,262	3,015,621	1,249,641	0.753%	0.767%	0.000%	0.694%	0.981%	0.000%
MO	989	979	10	994,458	920,265	74,193	0.202%	0.204%	0.000%	0.049%	0.052%	0.000%
MT	29	24	5	87,746	12,156	75,590	3.448%	0.000%	20.000%	0.097%	0.000%	0.112%
NC	2,284	2,145	139	6,973,608	1,708,442	5,265,166	6.611%	5.315%	26.619%	22.769%	7.665%	27.669%
ND	26	20	6	63,288	56,259	7,029	19.231%	25.000%	0.000%	1.139%	1.282%	0.000%
NE	745	734	11	1,450,799	674,319	776,480	0.537%	0.545%	0.000%	0.025%	0.053%	0.000%
NH	1,218	1,177	41	942,646	392,847	549,799	2.053%	2.124%	0.000%	0.878%	2.107%	0.000%
NJ	1,359	1,324	35	7,013,180	2,687,928	4,325,252	8.830%	8.535%	20.000%	13.490%	18.748%	10.222%
NM	712	674	38	1,671,607	1,405,084	266,523	5.899%	5.638%	10.526%	12.351%	5.775%	47.024%
NV	335	314	21	973,342	283,451	689,891	3.582%	2.548%	19.048%	38.089%	6.901%	50.902%
NY	1,532	1,296	236	4,371,133	1,200,988	3,170,145	6.070%	6.019%	6.356%	6.991%	5.799%	7.443%
OH	1,892	1,767	125	10,214,857	3,119,920	7,094,937	1.533%	1.188%	6.400%	4.037%	2.527%	4.701%
OK	11	7	4	77,209	2,175	75,034	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OR	727	606	121	2,769,817	486,571	2,283,246	0.825%	0.825%	0.826%	1.143%	3.240%	0.696%
RI	141	132	9	913,234	173,256	739,978	1.418%	1.515%	0.000%	0.514%	2.710%	0.000%
SC												
SD	29	26	3	31,974	26,332	5,642	3.448%	3.846%	0.000%	6.474%	7.861%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	17.379%	10.494%	23.280%	25.967%	3.829%	33.635%
TX	420	418	2	530,258	527,971	2,287	0.714%	0.718%	0.000%	0.634%	0.637%	0.000%
UT	507	457	50	2,543,652	1,686,017	857,635	17.357%	15.755%	32.000%	42.914%	29.652%	68.986%
VA	690	594	96	2,788,445	362,621	2,425,824	1.739%	1.515%	3.125%	10.851%	0.989%	12.326%
VT	600	556	44	492,901	226,733	266,168	4.500%	4.137%	9.091%	3.362%	4.474%	2.414%
WI	250	232	18	2,742,526	1,122,262	1,620,264	4.400%	4.741%	0.000%	1.886%	4.610%	0.000%
WV	453	292	161	1,415,710	234,920	1,180,790	9.713%	10.959%	7.453%	2.563%	6.867%	1.707%
WY	304	255	49	446,184	129,168	317,016	1.645%	1.961%	0.000%	0.354%	1.222%	0.000%
Total	32,067	29,277	2,790	162,458,600	66,122,477	96,336,123	4.144%	3.559%	10.287%	17.428%	14.736%	19.276%

Table A17c. Cyanide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.2 mg/L			Percent of Systems with At Least One Detection > 0.2 mg/L			Population Served by Systems with At Least One Detection > 0.2 mg/L			Percent of Population Served with At Least One Detection > 0.2 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	2	1	1	0.568%	0.358%	1.370%	105,803	93,078	12,725	2.251%	6.362%	0.393%
AR	7	7	0	1.545%	1.837%	0.000%	3,906	3,906	0	0.159%	0.429%	0.000%
AZ	2	2	0	0.191%	0.200%	0.000%	47,633	47,633	0	0.775%	1.716%	0.000%
CA	1	1	0	0.056%	0.068%	0.000%	3,100	3,100	0	0.009%	0.025%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.086%	0.088%	0.000%	500	500	0	0.018%	0.131%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	7,716	0	7,716	0.168%	0.000%	0.183%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	2	2	0	0.126%	0.128%	0.000%	5,552	5,552	0	0.130%	0.184%	0.000%
MO	1	1	0	0.101%	0.102%	0.000%	450	450	0	0.045%	0.049%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	1	1	0	0.134%	0.136%	0.000%	29	29	0	0.002%	0.004%	0.000%
NH	3	3	0	0.246%	0.255%	0.000%	1,632	1,632	0	0.173%	0.415%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	18	16	2	2.528%	2.374%	5.263%	68,241	64,912	3,329	4.082%	4.620%	1.249%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	2	2	0	0.131%	0.154%	0.000%	1,867	1,867	0	0.043%	0.155%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	1	1	0	0.138%	0.165%	0.000%	70	70	0	0.003%	0.014%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC												
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	1	0	1	0.197%	0.000%	2.000%	10,229	0	10,229	0.402%	0.000%	1.193%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	1	1	0	0.329%	0.392%	0.000%	180	180	0	0.040%	0.139%	0.000%
Total	44	39	5	0.137%	0.133%	0.179%	256,908	222,909	33,999	0.158%	0.337%	0.035%

Table A17d. Cyanide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.1$ mg/L			Percent of Systems with At Least One Detection $\geq 0.1$ mg/L			Population Served by Systems with At Least One Detection $\geq 0.1$ mg/L			Percent of Population Served with At Least One Detection $\geq 0.1$ mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	2	1	1	0.328%	0.214%	0.704%	10,194	47	10,147	1.793%	0.020%	3.005%
AL	3	1	2	0.852%	0.358%	2.740%	328,201	93,078	235,123	6.981%	6.362%	7.261%
AR	8	7	1	1.766%	1.837%	1.389%	10,734	3,906	6,828	0.438%	0.429%	0.443%
AZ	5	4	1	0.478%	0.400%	2.083%	188,199	48,199	140,000	3.062%	1.737%	4.154%
CA	12	8	4	0.666%	0.541%	1.242%	757,492	218,449	539,043	2.188%	1.728%	2.452%
CO	2	0	2	0.629%	0.000%	1.667%	36,237	0	36,237	1.139%	0.000%	1.232%
CT	5	3	2	0.428%	0.265%	5.128%	88,731	585	88,146	3.267%	0.153%	3.777%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	3	3	0	0.225%	0.229%	0.000%	53,652	53,652	0	0.311%	0.357%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	2	2	0	0.162%	0.177%	0.000%	1,160	1,160	0	0.013%	0.040%	0.000%
IN	1	1	0	0.065%	0.067%	0.000%	70	70	0	0.002%	0.003%	0.000%
KY	3	0	3	1.240%	0.000%	2.013%	98,525	0	98,525	2.141%	0.000%	2.331%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	1	1	0	0.037%	0.037%	0.000%	30	30	0	0.003%	0.003%	0.000%
MN	12	12	0	0.753%	0.767%	0.000%	29,582	29,582	0	0.694%	0.981%	0.000%
MO	2	2	0	0.202%	0.204%	0.000%	483	483	0	0.049%	0.052%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	4	2	2	0.175%	0.093%	1.439%	30,104	13,062	17,042	0.432%	0.765%	0.324%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	3	3	0	0.403%	0.409%	0.000%	162	162	0	0.011%	0.024%	0.000%
NH	4	4	0	0.328%	0.340%	0.000%	1,795	1,795	0	0.190%	0.457%	0.000%
NJ	2	2	0	0.147%	0.151%	0.000%	300	300	0	0.004%	0.011%	0.000%
NM	30	27	3	4.213%	4.006%	7.895%	154,053	78,023	76,030	9.216%	5.553%	28.527%
NV	1	0	1	0.299%	0.000%	4.762%	15,200	0	15,200	1.562%	0.000%	2.203%
NY	5	3	2	0.326%	0.231%	0.847%	33,121	3,067	30,054	0.758%	0.255%	0.948%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	2	2	0	0.275%	0.330%	0.000%	492	492	0	0.018%	0.101%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC												
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	1	0	1	0.197%	0.000%	2.000%	10,229	0	10,229	0.402%	0.000%	1.193%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	1	1	0	0.167%	0.180%	0.000%	200	200	0	0.041%	0.088%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	0	1	0.221%	0.000%	0.621%	1,800	0	1,800	0.127%	0.000%	0.152%
WY	2	2	0	0.658%	0.784%	0.000%	380	380	0	0.085%	0.294%	0.000%
Total	117	91	26	0.365%	0.311%	0.932%	1,851,126	546,722	1,304,404	1.139%	0.827%	1.354%

Table A18. Dalapon – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 200 µg/L	25,558	1	0.004%	64,625,469	20,114	0.031%
	≥ 100 µg/L	25,558	1	0.004%	64,625,469	20,114	0.031%
Surface Water	> 200 µg/L	2,829	0	0.000%	113,560,642	0	0.000%
	≥ 100 µg/L	2,829	0	0.000%	113,560,642	0	0.000%
Combined Ground & Surface Water	> 200 µg/L	28,387	1	0.004%	178,186,111	20,114	0.011%
	≥ 100 µg/L	28,387	1	0.004%	178,186,111	20,114	0.011%

Table A18a. Dalapon – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	69	36	33	0.000%	0.000%	0.000%												
AL	617	408	209	0.648%	0.490%	0.957%	0.4	0.4	1.2	4.25	3.85	18.75	36.3	7.3	36.3	36.3	7.3	36.3
AR	1,588	1,357	231	0.000%	0.000%	0.000%												
AZ	6,851	5,425	1,426	0.204%	0.111%	0.561%	0.3	0.3	1	1	1	1.2	1.6	1	1.7	1.7	1	1.7
CA	13,777	8,242	5,535	0.051%	0.036%	0.072%	0.04	1	0.04	1.9	1	1.95	19	10	19	19	10	19
CO	2,550	1,857	693	0.510%	0.323%	1.010%	1	1	1.7	2.7	2.8	2.6	8.1	8.1	46	46	8.1	46
CT	1,317	1,002	315	0.304%	0.200%	0.635%	0.2	0.2	3.8	2.9	1.1	3.9	4	2	4	4	2	4
DE	826	788	38	0.000%	0.000%	0.000%												
FL	2,510	2,442	68	4.661%	4.750%	1.471%	0.01	0.01	0.33	1.8	1.85	0.33	5.4	5.4	0.33	33	33	0.33
GA	1,433	1,355	78	0.000%	0.000%	0.000%												
HI																		
IA	1,746	1,606	140	0.401%	0.062%	4.286%	0.33	0.33	0.35	0.68	0.33	0.94	1.7	0.33	1.7	1.7	0.33	1.7
ID	2,036	1,767	269	0.098%	0.113%	0.000%	0.12	0.12		0.305	0.305		0.49	0.49		0.49	0.49	
IL	3,191	2,642	549	0.000%	0.000%	0.000%												
IN	2,324	2,154	170	0.430%	0.279%	2.353%	1	1	1	1.8	2.2	1.55	50.9	98	2.2	98	98	2.2
KY	1,780	444	1,336	2.247%	0.000%	2.994%	0.04		0.04	1.3		1.3	6.8		6.8	10		10
MA	2,989	2,186	803	0.234%	0.137%	0.498%	0.5	1	0.5	1	1	1	2.2	2.2	1.7	2.2	2.2	1.7
MD	2,468	1,697	771	9.198%	4.302%	19.974%	0.01	0.01	0.05	0.56	0.3	0.68	1.89	1.34	2.29	5.24	2.43	5.24
ME	378	317	61	0.265%	0.000%	1.639%	5.1		5.1	5.1		5.1	5.1		5.1			5.1
MI	3,939	1,404	2,535	0.609%	0.071%	0.907%	1	3	1	2	3	2	2	3	2	3	3	3
MN	4,586	4,452	134	0.981%	0.809%	6.716%	0.5	0.5	0.5	0.7	0.7	0.7	1.1	1.2	1	2	2	1
MO	5,797	4,978	819	0.242%	0.281%	0.000%	1.03	1.03		2.965	2.965		29.5	29.5		1210	1210	
MT	3,187	2,905	282	0.157%	0.069%	1.064%	1.52	1.52	2.82	2.82	2.01	3.3	3.5	2.5	3.5	3.5	2.5	3.5
NC	13,980	12,737	1,243	3.505%	2.599%	12.792%	0.73	0.73	1	1.9	2.1	1.7	6.75	9.2	3.4	63	63	21
ND	444	371	73	7.207%	6.469%	10.959%	1.04	1.04	1.11	1.885	1.95	1.66	3.14	3.19	2.84	3.55	3.55	2.84
NE	2,220	2,143	77	0.135%	0.140%	0.000%	2.09	2.09		2.35	2.35		8.7	8.7		8.7	8.7	
NH																		
NJ	3	3	0	0.000%	0.000%	0.000%												
NM	4,174	3,941	233	0.048%	0.025%	0.429%	2.1	2.1	4	3.05	2.1	4	4	2.1	4	4	2.1	4
NV	1,584	1,162	422	0.126%	0.172%	0.000%	1.4	1.4		1.4	1.4		1.4	1.4		1.4	1.4	
NY	2,873	2,162	711	0.139%	0.139%	0.141%	0.18	3	0.18	16.5	30	0.18	51	51	0.18	51	51	0.18
OH	145	55	90	0.690%	0.000%	1.111%	19.1		19.1	19.1		19.1	19.1		19.1	19.1		19.1
OK																		
OR	2,057	1,571	486	0.097%	0.000%	0.412%	4		4	15		15	26		26	26		26
RI	627	413	214	0.000%	0.000%	0.000%												
SC	2,545	2,255	290	0.039%	0.044%	0.000%	24	24		24	24		24	24		24	24	
SD	952	842	110	0.000%	0.000%	0.000%												
TN	62	12	50	4.839%	0.000%	6.000%	1.6		1.6	2		2	83		83	83		83
TX	2,174	1,343	831	0.000%	0.000%	0.000%												
UT	7,082	5,899	1,183	0.000%	0.000%	0.000%												
VA	442	148	294	0.000%	0.000%	0.000%												
VT	41	40	1	0.000%	0.000%	0.000%												
WI	3,161	3,069	92	0.158%	0.163%	0.000%	0.23	0.23		0.5	0.5		1.3	1.3		1.3	1.3	
WV	645	338	307	1.860%	2.367%	1.303%	0.06	0.06	0.06	0.07	0.07	0.28	1	1	1	1	1	1
WY	1,253	940	313	0.160%	0.106%	0.319%	2	10	2	6	10	2	10	10	2	10	10	2
Total	112,423	88,908	23,515	0.978%	0.733%	1.905%	0.01	0.01	0.04	1.6	1.7	1.4	5	6.6	3.2	1210	1210	83



Table A18b. Dalapon – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	18	13	5	316,254	84,804	231,450	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	184	128	56	2,877,453	597,317	2,280,136	2.174%	1.563%	3.571%	1.789%	0.437%	2.144%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	917	869	48	6,033,847	2,663,256	3,370,591	0.763%	0.345%	8.333%	18.957%	3.534%	31.144%
CA	1,580	1,259	321	33,369,613	12,021,601	21,348,012	0.316%	0.159%	0.935%	1.578%	0.117%	2.401%
CO	816	597	219	4,994,023	527,114	4,466,909	0.858%	0.670%	1.370%	0.082%	0.112%	0.078%
CT	652	615	37	2,588,913	261,646	2,327,267	0.460%	0.325%	2.703%	2.488%	0.185%	2.747%
DE	254	251	3	624,615	343,215	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,329	1,307	22	16,800,741	14,558,736	2,242,005	3.988%	3.979%	4.545%	17.841%	19.502%	7.059%
GA	297	283	14	997,274	305,252	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	1,056	1,023	33	2,543,237	1,434,611	1,108,626	0.473%	0.098%	12.121%	5.780%	0.014%	13.241%
ID	857	804	53	1,052,182	802,078	250,104	0.117%	0.124%	0.000%	0.005%	0.007%	0.000%
IL	1,121	1,020	101	9,097,009	2,901,087	6,195,922	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,404	1,360	44	4,871,546	2,551,810	2,319,736	0.499%	0.368%	4.545%	3.867%	0.449%	7.628%
KY	241	92	149	4,596,328	369,299	4,227,029	8.714%	0.000%	14.094%	23.025%	0.000%	25.036%
MA	645	528	117	8,509,903	1,707,521	6,802,382	0.930%	0.568%	2.564%	1.604%	1.395%	1.656%
MD	862	794	68	4,906,001	907,894	3,998,107	12.761%	8.690%	60.294%	83.252%	14.136%	98.947%
ME	216	190	26	491,237	116,848	374,389	0.463%	0.000%	3.846%	0.578%	0.000%	0.759%
MI	511	458	53	5,833,684	1,208,759	4,624,925	1.566%	0.218%	13.208%	2.448%	0.984%	2.830%
MN	1,281	1,252	29	3,931,386	2,681,745	1,249,641	2.030%	1.757%	13.793%	3.356%	4.099%	1.761%
MO	1,475	1,398	77	3,281,888	1,700,557	1,581,331	0.678%	0.715%	0.000%	0.851%	1.642%	0.000%
MT	846	786	60	757,811	365,142	392,669	0.473%	0.254%	3.333%	0.075%	0.068%	0.080%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	8.203%	7.451%	20.438%	36.942%	39.471%	36.091%
ND	209	182	27	559,198	253,973	305,225	7.656%	4.945%	25.926%	12.899%	3.046%	21.098%
NE	739	728	11	1,454,673	678,193	776,480	0.406%	0.412%	0.000%	0.561%	1.203%	0.000%
NH												
NJ	2	2	0	8,623	8,623	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	673	639	34	1,652,427	1,391,779	260,648	0.297%	0.156%	2.941%	0.009%	0.008%	0.012%
NV	287	266	21	960,268	270,377	689,891	0.697%	0.752%	0.000%	0.034%	0.120%	0.000%
NY	1,345	1,115	230	4,923,849	982,159	3,941,690	0.223%	0.179%	0.435%	0.350%	0.579%	0.293%
OH	37	28	9	3,029,193	99,582	2,929,611	2.703%	0.000%	11.111%	0.599%	0.000%	0.619%
OK												
OR	1,086	936	150	2,937,289	572,539	2,364,750	0.092%	0.000%	0.667%	0.006%	0.000%	0.007%
RI	88	79	9	900,541	160,563	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	728	676	52	3,300,197	782,848	2,517,349	0.137%	0.148%	0.000%	0.002%	0.009%	0.000%
SD	260	239	21	622,152	262,981	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	11	5	6	648,720	144,963	503,757	18.182%	0.000%	33.333%	28.360%	0.000%	36.521%
TX	856	702	154	18,700,247	4,013,688	14,686,559	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,671	1,667,485	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	173	63	110	2,380,983	26,904	2,354,079	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	34	33	1	96,146	27,223	68,923	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WI	1,406	1,386	20	3,883,613	2,191,869	1,691,744	0.284%	0.289%	0.000%	0.325%	0.575%	0.000%
WV	342	197	145	1,367,674	206,326	1,161,348	2.924%	4.061%	1.379%	0.576%	0.827%	0.532%
WY	304	256	48	446,177	129,229	316,948	0.658%	0.391%	2.083%	2.270%	0.542%	2.975%
Total	28,387	25,558	2,829	178,186,111	64,625,469	113,560,642	1.828%	1.471%	5.055%	7.623%	6.168%	8.451%

Table A18c. Dalapon – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 200 µg/L			Percent of Systems with At Least One Detection > 200 µg/L			Population Served by Systems with At Least One Detection > 200 µg/L			Percent of Population Served with At Least One Detection > 200 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	1	1	0	0.068%	0.072%	0.000%	20,114	20,114	0	0.613%	1.183%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH												
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	1	0	0.004%	0.004%	0.000%	20,114	20,114	0	0.011%	0.031%	0.000%

Table A18d. Dalapon – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 100 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 100 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 100 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 100 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	1	1	0	0.068%	0.072%	0.000%	20,114	20,114	0	0.613%	1.183%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH												
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	1	0	0.004%	0.004%	0.000%	20,114	20,114	0	0.011%	0.031%	0.000%

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 400 µg/L	25,891	2	0.008%	65,031,810	22,913	0.035%
	≥ 200 µg/L	25,891	7	0.027%	65,031,810	24,953	0.038%
Surface Water	> 400 µg/L	3,011	0	0.000%	119,102,864	0	0.000%
	≥ 200 µg/L	3,011	0	0.000%	119,102,864	0	0.000%
Combined Ground & Surface Water	> 400 µg/L	28,902	2	0.007%	184,134,674	22,913	0.012%
	≥ 200 µg/L	28,902	7	0.024%	184,134,674	24,953	0.014%

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	50	16	34	4.000%	0.000%	5.882%	0.17		0.17	0.24		0.24	0.31		0.31	0.31		0.31
AL	746	492	254	0.536%	0.000%	1.575%	0.13		0.13	2.75		2.75	43.7		43.7	43.7		43.7
AR	2,241	1,923	318	0.312%	0.364%	0.000%	0.8	0.8		1.62	1.62		3.24	3.24		3.24	3.24	
AZ	7,000	5,461	1,539	0.086%	0.110%	0.000%	0.87	0.87		0.87	0.87		3	3		3	3	
CA	12,867	7,353	5,514	0.078%	0.122%	0.018%	0.23	0.23	7.4	1.1	1.1	7.4	7.65	7.9	7.4	7.9	7.9	7.4
CO	2,541	1,834	707	0.630%	0.763%	0.283%	0.16	0.16	0.84	0.95	0.95	2.47	2.4	1.8	4.1	4.1	2.4	4.1
CT	1,320	1,010	310	1.288%	1.683%	0.000%	1	1		1	1		1.32	1.32		1.32	1.32	
DE	1,084	1,054	30	0.092%	0.095%	0.000%	2	2		2	2		2	2		2	2	
FL	2,476	2,407	69	0.727%	0.748%	0.000%	0.01	0.01		0.01	0.01		0.48	0.48		1.1	1.1	
GA	1,469	1,389	80	0.000%	0.000%	0.000%												
HI																		
IA	1,757	1,627	130	0.512%	0.553%	0.000%	0.6	0.6		1.7	1.7		88	88		88	88	
ID	2,718	2,424	294	0.074%	0.083%	0.000%	4.6	4.6		5.5	5.5		6.4	6.4		6.4	6.4	
IL	3,857	3,106	751	0.000%	0.000%	0.000%												
IN	2,299	2,101	198	0.391%	0.428%	0.000%	0.37	0.37		0.84	0.84		7	7		7	7	
KY	2,186	571	1,615	0.457%	0.175%	0.557%	0.5	1300	0.5	0.95	1300	0.6	655	1300	10	1300	1300	10
MA	3,074	2,260	814	1.952%	1.372%	3.563%	0.4	0.48	0.4	0.815	0.83	0.8	2.115	1.73	3.15	5	5	4.9
MD	2,816	1,729	1,087	3.693%	2.140%	6.164%	0.03	0.5	0.03	0.7	0.6	0.7	1.9	1.7	2.1	25.3	6.9	25.3
ME	456	391	65	0.219%	0.000%	1.538%	0.19		0.19	0.19		0.19	0.19		0.19	0.19		0.19
MI	309	181	128	0.647%	0.552%	0.781%	1.2	2.2	1.2	1.7	2.2	1.2	2.2	2.2	1.2	2.2	2.2	1.2
MN	4,761	4,620	141	0.084%	0.087%	0.000%	7.1	7.1		7.95	7.95		11	11		11	11	
MO	324	194	130	0.000%	0.000%	0.000%												
MT	2,990	2,692	298	0.201%	0.223%	0.000%	0.51	0.51		0.835	0.835		7.4	7.4		7.4	7.4	
NC	13,804	12,708	1,096	1.681%	1.660%	1.916%	0.11	0.11	0.65	1.025	1.02	1.26	2.58	2.47	3.57	17	17	5.08
ND	65	42	23	0.000%	0.000%	0.000%												
NE	4,480	4,131	349	0.134%	0.121%	0.287%	0.57	0.57	4.81	1.62	0.94	4.81	5.6	5.6	4.81	5.6	5.6	4.81
NH	4,194	3,874	320	0.072%	0.052%	0.313%	0.6	0.6	4.4	2.3	1.45	4.4	4.4	2.3	4.4	4.4	2.3	4.4
NJ	40	33	7	10.000%	12.121%	0.000%	0.02	0.02		0.07	0.07		0.26	0.26		0.26	0.26	
NM	4,565	4,302	263	3.067%	3.208%	0.760%	0.01	0.01	1.12	0.39	0.29	1.17	107	107	1.22	1000	1000	1.22
NV	1,610	1,180	430	0.124%	0.085%	0.233%	2.6	2.6	5.43	4.015	2.6	5.43	5.43	2.6	5.43	5.43	2.6	5.43
NY	2,781	2,055	726	0.108%	0.000%	0.413%	0.63		0.63	1.4		1.4	2		2	2		2
OH	886	641	245	0.226%	0.312%	0.000%	0.8	0.8		1.24	1.24		1.68	1.68		1.68	1.68	
OK																		
OR	2,054	1,570	484	0.000%	0.000%	0.000%												
RI	916	624	292	0.437%	0.641%	0.000%	3.2	3.2		4	4		52	52		52	52	
SC	2,966	2,572	394	0.169%	0.194%	0.000%	0.64	0.64		0.74	0.74		1.42	1.42		1.42	1.42	
SD	956	847	109	0.000%	0.000%	0.000%												
TN	63	10	53	1.587%	0.000%	1.887%	0.6		0.6	0.6		0.6	0.6		0.6	0.6		0.6
TX	10,273	4,527	5,746	0.195%	0.110%	0.261%	2.29	2.59	2.29	2.77	3.32	2.75	4.84	4.87	3.93	4.87	4.87	4.81
UT	7,096	5,913	1,183	0.296%	0.321%	0.169%	0.09	0.09	0.1	0.6	0.6	0.35	3.3	3.3	0.6	4.4	4.4	0.6
VA	495	181	314	0.404%	1.105%	0.000%	0.4	0.4		0.65	0.65		0.9	0.9		0.9	0.9	
VT	1,321	1,120	201	0.227%	0.268%	0.000%	0.3	0.3		1.18	1.18		4.91	4.91		4.91	4.91	
WI	1,965	1,888	77	0.254%	0.265%	0.000%	0.7	0.7		40	40		40	40		40	40	
WV	642	335	307	1.869%	2.388%	1.303%	0.02	0.15	0.02	0.15	0.175	0.15	0.2	0.2	0.5	0.5	0.2	0.5
WY	1,279	963	316	0.469%	0.623%	0.000%	0.5	0.5		0.745	0.745		0.9	0.9		0.9	0.9	
Total	121,792	94,351	27,441	0.623%	0.627%	0.609%	0.01	0.01	0.02	0.91	0.935	0.8	8.2	15.13	4.1	1300	1300	43.7

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
	AK	11	6	5	245,546	13,611	231,935	18.182%	0.000%	40.000%	1.528%	0.000%
AL	187	138	49	3,622,176	774,145	2,848,031	1.604%	0.000%	6.122%	7.237%	0.000%	9.204%
AR	454	382	72	2,453,348	910,322	1,543,026	1.542%	1.832%	0.000%	0.305%	0.821%	0.000%
AZ	931	883	48	6,077,279	2,706,688	3,370,591	0.322%	0.340%	0.000%	0.321%	0.722%	0.000%
CA	1,271	1,032	239	33,445,493	11,991,296	21,454,197	0.472%	0.484%	0.418%	1.391%	1.619%	1.263%
CO	799	581	218	4,983,566	519,647	4,463,919	1.877%	2.238%	0.917%	0.273%	1.216%	0.164%
CT	651	614	37	2,588,823	261,556	2,327,267	2.458%	2.606%	0.000%	0.277%	2.745%	0.000%
DE	231	228	3	632,320	350,920	281,400	0.433%	0.439%	0.000%	0.058%	0.105%	0.000%
FL	1,334	1,312	22	16,773,387	14,531,382	2,242,005	0.750%	0.762%	0.000%	15.843%	18.288%	0.000%
GA	287	273	14	973,497	281,475	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	1,056	1,023	33	2,543,237	1,434,611	1,108,626	0.852%	0.880%	0.000%	0.330%	0.586%	0.000%
ID	915	858	57	1,090,586	834,621	255,965	0.219%	0.233%	0.000%	0.029%	0.038%	0.000%
IL	1,085	987	98	9,086,128	2,892,050	6,194,078	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,401	1,357	44	4,866,289	2,546,553	2,319,736	0.214%	0.221%	0.000%	0.339%	0.648%	0.000%
KY	242	93	149	4,602,489	375,460	4,227,029	3.306%	1.075%	4.698%	8.230%	0.506%	8.916%
MA	642	525	117	8,482,868	1,680,486	6,802,382	5.140%	4.571%	7.692%	6.057%	7.423%	5.720%
MD	862	794	68	4,906,096	907,989	3,998,107	7.889%	4.534%	47.059%	80.246%	11.547%	95.848%
ME	269	241	28	510,420	134,500	375,920	0.372%	0.000%	3.571%	26.830%	0.000%	36.429%
MI	89	62	27	5,100,237	379,121	4,721,116	2.247%	1.613%	3.704%	0.305%	0.034%	0.327%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.311%	0.318%	0.000%	0.363%	0.531%	0.000%
MO	226	157	69	928,947	284,141	644,806	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.615%	0.664%	0.000%	0.065%	0.135%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	6.385%	6.104%	10.949%	4.397%	9.181%	2.787%
ND	27	21	6	47,590	40,561	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.656%	0.533%	9.091%	35.365%	0.397%	65.960%
NH	1,237	1,196	41	945,754	395,955	549,799	0.243%	0.167%	2.439%	1.454%	0.631%	2.046%
NJ	36	30	6	1,444,605	143,223	1,301,382	11.111%	13.333%	0.000%	3.959%	39.936%	0.000%
NM	694	658	36	1,661,813	1,398,915	262,898	12.248%	12.614%	5.556%	50.494%	54.780%	27.692%
NV	294	273	21	961,367	271,476	689,891	0.680%	0.366%	4.762%	5.946%	0.243%	8.190%
NY	1,262	1,042	220	4,867,369	949,158	3,918,211	0.158%	0.000%	0.909%	0.095%	0.000%	0.118%
OH	315	239	76	6,613,224	638,627	5,974,597	0.635%	0.837%	0.000%	0.013%	0.137%	0.000%
OK												
OR	1,083	933	150	2,936,954	572,204	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	105	97	8	902,560	163,122	739,438	3.810%	4.124%	0.000%	3.166%	17.518%	0.000%
SC	773	714	59	3,427,802	801,019	2,626,783	0.517%	0.560%	0.000%	0.134%	0.574%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	11	5	6	655,064	144,562	510,502	9.091%	0.000%	16.667%	27.642%	0.000%	35.470%
TX	1,883	1,546	337	21,494,935	5,731,435	15,763,500	0.637%	0.259%	2.374%	8.657%	0.690%	11.554%
UT	426	389	37	2,500,671	1,667,485	833,186	3.286%	3.085%	5.405%	4.239%	5.966%	0.783%
VA	178	69	109	2,179,119	28,420	2,150,699	0.562%	1.449%	0.000%	0.009%	0.658%	0.000%
VT	441	408	33	432,879	181,715	251,164	0.680%	0.735%	0.000%	1.177%	2.805%	0.000%
WI	1,063	1,044	19	3,694,549	2,037,305	1,657,244	0.188%	0.192%	0.000%	0.407%	0.738%	0.000%
WV	339	195	144	1,358,636	205,538	1,153,098	2.950%	4.103%	1.389%	0.678%	0.806%	0.656%
WY	304	256	48	446,177	129,229	316,948	1.316%	1.563%	0.000%	0.083%	0.286%	0.000%
Total	28,902	25,891	3,011	184,134,674	65,031,810	119,102,864	1.754%	1.599%	3.089%	6.767%	6.686%	6.811%

State	Number of Systems with At Least One Detection > 400 µg/L			Percent of Systems with At Least One Detection > 400 µg/L			Population Served by Systems with At Least One Detection > 400 µg/L			Percent of Population Served with At Least One Detection > 400 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
	AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	1	0	0.413%	1.075%	0.000%	1,898	1,898	0	0.041%	0.506%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	1	1	0	0.144%	0.152%	0.000%	21,015	21,015	0	1.265%	1.502%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	2	0	0.007%	0.008%	0.000%	22,913	22,913	0	0.012%	0.035%	0.000%

State	Number of Systems with At Least One Detection $\geq 200 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 200 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 200 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 200 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	1	0	0.413%	1.075%	0.000%	1,898	1,898	0	0.041%	0.506%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	6	6	0	0.865%	0.912%	0.000%	23,055	23,055	0	1.387%	1.648%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	7	7	0	0.024%	0.027%	0.000%	24,953	24,953	0	0.014%	0.038%	0.000%



Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 6 µg/L	24,677	390	1.580%	62,976,862	2,513,952	3.992%
	≥ 3 µg/L	24,677	786	3.185%	62,976,862	5,407,270	8.586%
Surface Water	> 6 µg/L	2,990	70	2.341%	116,971,710	8,996,752	7.691%
	≥ 3 µg/L	2,990	169	5.652%	116,971,710	19,734,540	16.871%
Combined Ground & Surface Water	> 6 µg/L	27,667	460	1.663%	179,948,572	11,510,704	6.397%
	≥ 3 µg/L	27,667	955	3.452%	179,948,572	25,141,810	13.972%

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	50	16	34	0.000%	0.000%	0.000%												
AL	1,225	886	339	15.347%	15.237%	15.634%	0.06	0.06	0.06	0.2	0.18	0.22	2	2.67	0.7	33.5	33.5	3
AR	2,242	1,924	318	3.390%	3.482%	2.830%	1.34	1.34	1.5	1.89	1.88	2.28	4.5	4.27	9.54	16.5	16.5	9.54
AZ	6,772	5,213	1,559	4.090%	3.568%	5.837%	0.5	0.6	0.5	1	1	1	4.2	3.9	4.5	38	20	38
CA	13,156	7,455	5,701	0.676%	0.604%	0.772%	0.14	0.14	0.22	3	3.82	1.4	13	15	9.3	49	49	25
CO	2,651	1,912	739	8.487%	8.577%	8.254%	0.21	0.21	0.28	1.04	1.1	1	2.4	2.4	2.1	14	14	8.9
CT	1,323	1,013	310	2.948%	3.455%	1.290%	0.4	0.4	2	1	1	5.5	7	3	11	53	53	11
DE	790	766	24	3.038%	3.133%	0.000%	0.5	0.5		1.5	1.5		6.4	6.4		7.9	7.9	
FL	2,638	2,563	75	4.397%	4.331%	6.667%	0.14	0.14	0.6	0.75	0.75	0.72	3.4	3.1	13	27.8	27.8	13
GA	1,468	1,388	80	0.204%	0.072%	2.500%	5.2	5.2	6.6	6.6	5.2	6.6	6.6	5.2	6.6	6.6	5.2	6.6
HI																		
IA	1,800	1,667	133	2.444%	2.340%	3.759%	0.6	0.6	0.6	1.75	1.8	0.9	13.9	13.9	18	53	53	18
ID	2,733	2,439	294	3.000%	3.198%	1.361%	0.12	0.12	0.9	1.6	1.58	5.75	5.3	4.52	9.8	9.8	8.6	9.8
IL	3,917	3,114	803	0.332%	0.417%	0.000%	0.9	0.9		4.6	4.6		9.2	9.2		10	10	
IN	2,360	2,150	210	3.263%	3.209%	3.810%	0.57	0.6	0.57	1.25	1.29	0.965	4.53	4.53	5.6	25	25	5.6
KY	2,259	584	1,675	13.015%	13.356%	12.896%	0.1	0.1	0.1	1.5	1.6	1.5	3.5	3.7	3.5	40	40	13
MA	3,088	2,271	817	3.854%	3.082%	5.998%	0.3	0.42	0.3	0.93	1	0.89	3.8	4.7	2.8	51.3	51.3	5.1
MD	2,811	1,727	1,084	63.429%	72.032%	49.723%	0.1	0.1	0.1	1	0.95	1	3.8	3.9	3.4	38.3	29	38.3
ME	456	391	65	13.158%	11.253%	24.615%	0.06	0.06	0.13	0.245	0.3	0.21	3	3	0.35	14	12	14
MI	263	135	128	11.787%	13.333%	10.156%	1	1	1	1.2	1.3	1.1	2.1	2.1	3	8	8	3
MN	4,761	4,620	141	3.004%	2.922%	5.674%	0.07	0.07	4.2	8.7	8.8	6.8	21	21	49	54	54	49
MO	304	181	123	0.000%	0.000%	0.000%												
MT	3,047	2,749	298	3.446%	3.565%	2.349%	0.6	0.6	0.76	2.82	2.8	7.8	10	9.6	10	35	35	10
NC	13,796	12,703	1,093	2.276%	2.377%	1.098%	0.6	0.6	0.8	2.1	2.1	1.965	5.04	5.1	3.54	22.09	22.09	3.8
ND	64	41	23	43.750%	39.024%	52.174%	0.6	0.6	0.6	0.985	0.96	1.075	2.63	2.02	2.63	3.75	3.5	3.75
NE	4,480	4,131	349	2.232%	2.348%	0.860%	2	2	2.2	3.445	3.5	2.78	9.165	8.93	9.5	19.6	19.6	9.5
NH	4,243	3,924	319	4.101%	4.332%	1.254%	0.06	0.06	1.2	2.4	2.4	4.15	8.1	8.4	4.9	47	47	4.9
NJ	30	28	2	16.667%	17.857%	0.000%	0.36	0.36		0.39	0.39		1.1	1.1		1.1	1.1	
NM	4,437	4,178	259	13.094%	13.308%	9.653%	0.05	0.05	0.07	0.4	0.4	0.5	5.24	5.24	2.28	56.76	56.76	15.11
NV	1,569	1,141	428	2.804%	3.067%	2.103%	0.31	0.31	0.71	1.6	1.3	4	5.2	5	46.4	46.4	21	46.4
NY	2,800	2,075	725	1.857%	1.590%	2.621%	0.62	0.62	0.64	2.5	2.2	2.8	10.5	10.5	11	39	39	12
OH	1,102	834	268	5.172%	5.396%	4.478%	0.2	0.2	0.63	1.5	1.42	1.65	4.75	4.75	5.4	31	16.6	31
OK																		
OR	2,095	1,581	514	1.289%	1.392%	0.973%	0.08	0.08	1.3	1.9	1.65	1.9	5.1	3.3	5.2	250	250	5.2
RI	917	625	292	5.889%	4.640%	8.562%	0.42	1	0.42	1.45	1.8	0.87	4	4.4	2.9	20	20	4
SC	2,965	2,572	393	10.995%	11.275%	9.160%	0.11	0.11	0.64	1.24	1.22	1.34	6.86	6.955	6	43	39	43
SD	959	850	109	0.104%	0.118%	0.000%	4	4		4	4		4	4		4	4	
TN	64	10	54	6.250%	0.000%	7.407%	0.7		0.7	1.1		1.1	4.8		4.8	4.8		4.8
TX	10,362	4,571	5,791	0.984%	1.072%	0.915%	2.1	2.1	2.1	3.87	4.19	3.7	11	10.79	11	26	18.3	26
UT	7,103	5,915	1,188	1.197%	1.319%	0.589%	0.15	0.15	0.9	2	2	1.9	6.6	6.6	2.7	11	11	2.7
VA	494	180	314	3.644%	8.889%	0.637%	0.8	0.8	2.3	1.8	1.8	3	7.3	7.3	3.7	16	16	3.7
VT	1,313	1,112	201	3.046%	2.788%	4.478%	0.08	0.08	0.6	0.855	0.8	0.9	5.35	4.2	13.1	43.7	43.7	13.1
WI																		
WV	653	340	313	9.648%	10.294%	8.946%	0.18	0.18	0.18	1.2	1.1	1.2	2	2	2	6	6	3.9
WY	1,286	969	317	5.443%	5.882%	4.101%	0.5	0.5	0.6	2.8	2.7	3	9	8	10	38	38	20
Total	120,846	92,944	27,902	4.910%	4.864%	5.061%	0.05	0.05	0.06	1.2	1.3	1.1	5.8	6.26	4.4	250	250	49

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
	AK	11	6	5	245,546	13,611	231,935	0.000%	0.000%	0.000%	0.000%	0.000%
AL	224	164	60	3,940,846	920,969	3,019,877	25.000%	23.780%	28.333%	23.303%	28.374%	21.757%
AR	454	382	72	2,453,348	910,322	1,543,026	10.573%	11.518%	5.556%	6.518%	13.819%	2.211%
AZ	827	782	45	5,930,120	2,573,109	3,357,011	12.092%	10.486%	40.000%	78.556%	54.585%	96.929%
CA	1,217	983	234	33,392,382	11,920,793	21,471,589	4.191%	3.154%	8.547%	16.886%	6.138%	22.854%
CO	799	581	218	4,983,566	519,647	4,463,919	20.150%	19.793%	21.101%	48.919%	29.248%	51.209%
CT	652	615	37	2,589,440	262,173	2,327,267	5.368%	5.366%	5.405%	3.370%	3.429%	3.363%
DE	217	214	3	619,324	337,924	281,400	6.912%	7.009%	0.000%	13.261%	24.303%	0.000%
FL	1,354	1,331	23	16,824,422	14,581,030	2,243,392	4.801%	4.583%	17.391%	19.475%	20.263%	14.353%
GA	287	273	14	973,497	281,475	692,022	0.697%	0.366%	7.143%	0.282%	0.025%	0.386%
HI												
IA	1,057	1,024	33	2,543,282	1,434,656	1,108,626	3.311%	3.027%	12.121%	9.649%	5.125%	15.504%
ID	915	857	58	1,090,891	834,529	256,362	6.120%	6.184%	5.172%	26.050%	11.725%	72.681%
IL	1,085	987	98	9,086,128	2,892,050	6,194,078	1.014%	1.114%	0.000%	0.498%	1.565%	0.000%
IN	1,400	1,356	44	4,866,255	2,546,519	2,319,736	4.071%	3.909%	9.091%	1.915%	2.303%	1.488%
KY	242	93	149	4,602,489	375,460	4,227,029	51.240%	44.086%	55.705%	74.807%	29.933%	78.792%
MA	642	525	117	8,482,938	1,680,556	6,802,382	9.969%	8.000%	18.803%	11.135%	13.505%	10.549%
MD	861	793	68	4,906,036	907,929	3,998,107	88.734%	88.146%	95.588%	98.786%	93.833%	99.911%
ME	269	241	28	510,420	134,500	375,920	17.100%	14.523%	39.286%	60.039%	49.017%	63.983%
MI	50	23	27	5,093,160	372,044	4,721,116	34.000%	30.435%	37.037%	76.463%	30.942%	80.050%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	9.402%	9.221%	17.241%	29.328%	20.559%	48.166%
MO	218	149	69	920,994	276,188	644,806	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	7.134%	7.304%	5.000%	5.809%	7.391%	4.357%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	8.710%	8.842%	6.569%	15.336%	25.182%	12.023%
ND	27	21	6	47,590	40,561	7,029	62.963%	52.381%	100.000%	58.594%	51.419%	100.000%
NE	762	751	11	1,455,834	679,354	776,480	7.087%	6.791%	27.273%	11.955%	20.646%	4.352%
NH	1,237	1,196	41	945,754	395,955	549,799	6.952%	6.940%	7.317%	14.493%	17.507%	12.323%
NJ	27	26	1	818,502	142,248	676,254	18.519%	19.231%	0.000%	3.075%	17.696%	0.000%
NM	680	646	34	1,653,619	1,391,521	262,098	32.353%	32.198%	35.294%	66.472%	70.291%	46.196%
NV	266	245	21	954,770	264,879	689,891	9.398%	9.388%	9.524%	9.596%	10.123%	9.393%
NY	1,261	1,042	219	4,834,269	949,158	3,885,111	3.172%	2.687%	5.479%	15.701%	3.061%	18.790%
OH	355	278	77	6,650,006	667,733	5,982,273	12.394%	13.309%	9.091%	3.583%	19.677%	1.786%
OK												
OR	1,084	934	150	2,937,354	572,604	2,364,750	2.214%	2.141%	2.667%	2.628%	4.190%	2.250%
RI	105	97	8	902,560	163,122	739,438	18.095%	14.433%	62.500%	42.255%	49.531%	40.650%
SC	773	714	59	3,427,802	801,019	2,626,783	28.461%	27.871%	35.593%	31.613%	45.253%	27.454%
SD	261	240	21	622,272	263,101	359,171	0.383%	0.417%	0.000%	0.032%	0.076%	0.000%
TN	11	5	6	655,064	144,562	510,502	18.182%	0.000%	33.333%	36.497%	0.000%	46.832%
TX	1,884	1,547	337	21,497,842	5,734,342	15,763,500	4.352%	2.780%	11.573%	28.512%	23.761%	30.240%
UT	426	389	37	2,500,671	1,667,485	833,186	8.216%	7.455%	16.216%	33.198%	24.026%	51.554%
VA	178	69	109	2,179,119	28,420	2,150,699	3.933%	7.246%	1.835%	4.403%	7.590%	4.361%
VT	441	408	33	432,879	181,715	251,164	7.483%	6.373%	21.212%	22.029%	19.399%	23.932%
WI												
WV	339	195	144	1,358,636	205,538	1,153,098	14.454%	14.359%	14.583%	17.911%	12.385%	18.896%
WY	304	256	48	446,177	129,229	316,948	14.145%	14.844%	10.417%	10.877%	14.295%	9.484%
Total	27,667	24,677	2,990	179,948,572	62,976,862	116,971,710	11.197%	10.577%	16.321%	25.227%	19.240%	28.450%

State	Number of Systems with At Least One Detection > 6 µg/L			Percent of Systems with At Least One Detection > 6 µg/L			Population Served by Systems with At Least One Detection > 6 µg/L			Percent of Population Served with At Least One Detection > 6 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
	AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%
AL	4	4	0	1.786%	2.439%	0.000%	41,247	41,247	0	1.047%	4.479%	0.000%
AR	5	3	2	1.101%	0.785%	2.778%	25,941	8,152	17,789	1.057%	0.896%	1.153%
AZ	13	8	5	1.572%	1.023%	11.111%	3,307,784	724,702	2,583,082	55.779%	28.164%	76.946%
CA	16	9	7	1.315%	0.916%	2.991%	2,291,146	156,205	2,134,941	6.861%	1.310%	9.943%
CO	3	2	1	0.375%	0.344%	0.459%	910	160	750	0.018%	0.031%	0.017%
CT	4	2	2	0.613%	0.325%	5.405%	78,588	324	78,264	3.035%	0.124%	3.363%
DE	4	4	0	1.843%	1.869%	0.000%	69,242	69,242	0	11.180%	20.490%	0.000%
FL	4	3	1	0.295%	0.225%	4.348%	161,293	128,294	32,999	0.959%	0.880%	1.471%
GA	1	0	1	0.348%	0.000%	7.143%	2,671	0	2,671	0.274%	0.000%	0.386%
HI												
IA	8	7	1	0.757%	0.684%	3.030%	15,307	15,282	25	0.602%	1.065%	0.002%
ID	5	3	2	0.546%	0.350%	3.448%	186,706	680	186,026	17.115%	0.081%	72.564%
IL	4	4	0	0.369%	0.405%	0.000%	3,085	3,085	0	0.034%	0.107%	0.000%
IN	2	2	0	0.143%	0.147%	0.000%	570	570	0	0.012%	0.022%	0.000%
KY	6	3	3	2.479%	3.226%	2.013%	92,925	4,312	88,613	2.019%	1.148%	2.096%
MA	4	4	0	0.623%	0.762%	0.000%	32,155	32,155	0	0.379%	1.913%	0.000%
MD	75	57	18	8.711%	7.188%	26.471%	1,987,374	37,563	1,949,811	40.509%	4.137%	48.768%
ME	4	3	1	1.487%	1.245%	3.571%	30,506	543	29,963	5.977%	0.404%	7.971%
MI	1	1	0	2.000%	4.348%	0.000%	450	450	0	0.009%	0.121%	0.000%
MN	91	87	4	7.071%	6.916%	13.793%	962,620	452,520	510,100	24.467%	16.856%	40.820%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	17	16	1	2.091%	2.125%	1.667%	20,866	3,871	16,995	2.770%	1.074%	4.328%
NC	17	17	0	0.719%	0.763%	0.000%	18,874	18,874	0	0.274%	1.089%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	17	16	1	2.231%	2.130%	9.091%	76,704	76,311	393	5.269%	11.233%	0.051%
NH	19	19	0	1.536%	1.589%	0.000%	6,493	6,493	0	0.687%	1.640%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	41	40	1	6.029%	6.192%	2.941%	603,565	603,513	52	36.500%	43.371%	0.020%
NV	3	2	1	1.128%	0.816%	4.762%	56,672	172	56,500	5.936%	0.065%	8.190%
NY	11	8	3	0.872%	0.768%	1.370%	285,133	9,551	275,582	5.898%	1.006%	7.093%
OH	4	3	1	1.127%	1.079%	1.299%	8,151	4,863	3,288	0.123%	0.728%	0.055%
OK												
OR	1	1	0	0.092%	0.107%	0.000%	168	168	0	0.006%	0.029%	0.000%
RI	1	1	0	0.952%	1.031%	0.000%	600	600	0	0.066%	0.368%	0.000%
SC	35	34	1	4.528%	4.762%	1.695%	150,316	83,557	66,759	4.385%	10.431%	2.541%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	19	8	11	1.008%	0.517%	3.264%	961,169	20,810	940,359	4.471%	0.363%	5.965%
UT	4	4	0	0.939%	1.028%	0.000%	855	855	0	0.034%	0.051%	0.000%
VA	2	2	0	1.124%	2.899%	0.000%	880	880	0	0.040%	3.096%	0.000%
VT	4	3	1	0.907%	0.735%	3.030%	6,366	476	5,890	1.471%	0.262%	2.345%
WI												
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	11	10	1	3.618%	3.906%	2.083%	23,372	7,472	15,900	5.238%	5.782%	5.017%
Total	460	390	70	1.663%	1.580%	2.341%	11,510,704	2,513,952	8,996,752	6.397%	3.992%	7.691%

State	Number of Systems with At Least One Detection ≥ 3 µg/L			Percent of Systems with At Least One Detection ≥ 3 µg/L			Population Served by Systems with At Least One Detection ≥ 3 µg/L			Percent of Population Served with At Least One Detection ≥ 3 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	9	8	1	4.018%	4.878%	1.667%	90,893	69,959	20,934	2.306%	7.596%	0.693%
AR	14	12	2	3.084%	3.141%	2.778%	41,539	23,750	17,789	1.693%	2.609%	1.153%
AZ	23	16	7	2.781%	2.046%	15.556%	3,414,108	806,607	2,607,501	57.572%	31.348%	77.673%
CA	36	20	16	2.958%	2.035%	6.838%	5,178,634	599,374	4,579,260	15.508%	5.028%	21.327%
CO	11	7	4	1.377%	1.205%	1.835%	15,187	4,873	10,314	0.305%	0.938%	0.231%
CT	6	4	2	0.920%	0.650%	5.405%	78,984	720	78,264	3.050%	0.275%	3.363%
DE	8	8	0	3.687%	3.738%	0.000%	71,234	71,234	0	11.502%	21.080%	0.000%
FL	9	8	1	0.665%	0.601%	4.348%	209,527	176,528	32,999	1.245%	1.211%	1.471%
GA	2	1	1	0.697%	0.366%	7.143%	2,741	70	2,671	0.282%	0.025%	0.386%
HI												
IA	10	9	1	0.946%	0.879%	3.030%	17,309	17,284	25	0.681%	1.205%	0.002%
ID	16	13	3	1.749%	1.517%	5.172%	197,935	11,609	186,326	18.144%	1.391%	72.681%
IL	6	6	0	0.553%	0.608%	0.000%	3,548	3,548	0	0.039%	0.123%	0.000%
IN	8	7	1	0.571%	0.516%	2.273%	8,065	2,077	5,988	0.166%	0.082%	0.258%
KY	34	10	24	14.050%	10.753%	16.107%	1,691,395	11,653	1,679,742	36.750%	3.104%	39.738%
MA	13	11	2	2.025%	2.095%	1.709%	65,650	58,155	7,495	0.774%	3.460%	0.110%
MD	171	136	35	19.861%	17.150%	51.471%	4,003,361	188,195	3,815,166	81.601%	20.728%	95.424%
ME	7	6	1	2.602%	2.490%	3.571%	35,298	5,335	29,963	6.915%	3.967%	7.971%
MI	3	1	2	6.000%	4.348%	7.407%	143,191	450	142,741	2.811%	0.121%	3.023%
MN	120	115	5	9.324%	9.141%	17.241%	1,153,823	551,923	601,900	29.327%	20.558%	48.166%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	28	27	1	3.444%	3.586%	1.667%	30,498	13,503	16,995	4.049%	3.745%	4.328%
NC	64	61	3	2.706%	2.738%	2.190%	309,915	182,164	127,751	4.501%	10.508%	2.480%
ND	2	1	1	7.407%	4.762%	16.667%	3,604	196	3,408	7.573%	0.483%	48.485%
NE	29	28	1	3.806%	3.728%	9.091%	122,111	121,718	393	8.388%	17.917%	0.051%
NH	37	35	2	2.991%	2.926%	4.878%	98,437	34,187	64,250	10.408%	8.634%	11.686%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	77	75	2	11.324%	11.610%	5.882%	836,366	763,613	72,753	50.578%	54.876%	27.758%
NV	7	6	1	2.632%	2.449%	4.762%	74,911	18,411	56,500	7.846%	6.951%	8.190%
NY	20	13	7	1.586%	1.248%	3.196%	461,461	25,593	435,868	9.546%	2.696%	11.219%
OH	15	13	2	4.225%	4.676%	2.597%	35,221	11,722	23,499	0.530%	1.755%	0.393%
OK												
OR	6	4	2	0.554%	0.428%	1.333%	59,857	7,870	51,987	2.038%	1.374%	2.198%
RI	4	3	1	3.810%	3.093%	12.500%	70,663	2,400	68,263	7.829%	1.471%	9.232%
SC	56	53	3	7.245%	7.423%	5.085%	309,002	151,549	157,453	9.015%	18.920%	5.994%
SD	1	1	0	0.383%	0.417%	0.000%	200	200	0	0.032%	0.076%	0.000%
TN	1	0	1	9.091%	0.000%	16.667%	58,000	0	58,000	8.854%	0.000%	11.361%
TX	57	30	27	3.025%	1.939%	8.012%	5,972,023	1,332,646	4,639,377	27.780%	23.240%	29.431%
UT	10	10	0	2.347%	2.571%	0.000%	123,765	123,765	0	4.949%	7.422%	0.000%
VA	3	2	1	1.685%	2.899%	0.917%	94,260	880	93,380	4.326%	3.096%	4.342%
VT	6	5	1	1.361%	1.225%	3.030%	8,696	2,806	5,890	2.009%	1.544%	2.345%
WI												
WV	2	1	1	0.590%	0.513%	0.694%	13,642	381	13,261	1.004%	0.185%	1.150%
WY	24	20	4	7.895%	7.813%	8.333%	36,756	10,322	26,434	8.238%	7.987%	8.340%
Total	955	786	169	3.452%	3.185%	5.652%	25,141,810	5,407,270	19,734,540	13.972%	8.586%	16.871%

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.2 µg/L	34,602	120	0.347%	73,552,992	1,032,709	1.404%
	≥ 0.1 µg/L	34,602	168	0.486%	73,552,992	1,370,317	1.863%
Surface Water	> 0.2 µg/L	3,016	26	0.862%	120,196,347	2,118,782	1.763%
	≥ 0.1 µg/L	3,016	33	1.094%	120,196,347	5,730,210	4.767%
Combined Ground & Surface Water	> 0.2 µg/L	37,618	146	0.388%	193,749,339	3,151,491	1.627%
	≥ 0.1 µg/L	37,618	201	0.534%	193,749,339	7,100,527	3.665%

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	268	142	126	0.000%	0.000%	0.000%												
AL	634	465	169	2.839%	2.366%	4.142%	0.02	0.02	0.03	0.09	0.12	0.05	0.33	0.32	0.35	0.35	0.33	0.35
AR	2,532	2,056	476	0.118%	0.146%	0.000%	0.04	0.04		0.2	0.2		0.53	0.53		0.53	0.53	
AZ	6,206	4,813	1,393	0.757%	0.748%	0.790%	0.01	0.02	0.01	0.04	0.065	0.02	0.12	0.12	0.06	0.5	0.25	0.5
CA	58,699	31,660	27,039	32.846%	25.158%	41.847%	0.01	0.01	0.01	0.09	0.08	0.09	0.47	0.46	0.48	10.8	3.3	10.8
CO	2,559	1,863	696	0.039%	0.000%	0.144%	0.04		0.04	0.04		0.04	0.04		0.04			0.04
CT	1,486	1,167	319	0.135%	0.086%	0.313%	0.02	0.07	0.02	0.045	0.07	0.02	0.07	0.07	0.02	0.07	0.07	0.02
DE	2,309	2,247	62	0.043%	0.045%	0.000%	0.03	0.03		0.03	0.03		0.03	0.03		0.03	0.03	
FL	2,394	2,329	65	0.794%	0.816%	0.000%	0.0014	0.0014		0.01	0.01		0.05	0.05		0.05	0.05	
GA	7,886	7,084	802	0.000%	0.000%	0.000%												
HI	3,057	2,966	91	5.954%	6.136%	0.000%	0.02	0.02		0.14	0.14		0.22	0.22		0.36	0.36	
IA	86	68	18	0.000%	0.000%	0.000%												
ID	1,800	1,579	221	0.000%	0.000%	0.000%												
IL	3,930	3,489	441	0.254%	0.201%	0.680%	0.02	0.02	0.03	0.02	0.02	0.03	0.125	0.08	0.17	0.17	0.08	0.17
IN	2,262	2,089	173	0.044%	0.000%	0.578%	0.02		0.02	0.02		0.02	0.02		0.02	0.02		0.02
KY	1,720	433	1,287	0.407%	0.000%	0.544%	0.01		0.01	0.02		0.02	0.2		0.2	0.2		0.2
MA	2,944	2,163	781	0.102%	0.046%	0.256%	0.02	0.05	0.02	0.02	0.05	0.02	0.05	0.05	0.02	0.05	0.05	0.02
MD	2,466	1,672	794	0.689%	0.359%	1.385%	0.009	0.04	0.009	0.05	0.085	0.04	0.12	0.12	0.12	0.13	0.12	0.13
ME	2,184	2,026	158	0.000%	0.000%	0.000%												
MI	5,364	4,849	515	0.000%	0.000%	0.000%												
MN	8,585	7,336	1,249	0.000%	0.000%	0.000%												
MO	7,544	6,695	849	0.000%	0.000%	0.000%												
MT	1,197	1,081	116	0.000%	0.000%	0.000%												
NC	12,724	11,854	870	0.181%	0.194%	0.000%	0.01	0.01		0.03	0.03		0.08	0.08		0.6	0.6	
ND	70	45	25	0.000%	0.000%	0.000%												
NE	9,185	8,528	657	0.011%	0.012%	0.000%	0.02	0.02		0.02	0.02		0.02	0.02		0.02	0.02	
NH	4,043	3,874	169	0.000%	0.000%	0.000%												
NJ	19,688	18,239	1,449	0.061%	0.060%	0.069%	0.06	0.06	1	0.595	0.49	1	1.5	1.5	1	3.64	3.64	1
NM	944	885	59	0.212%	0.226%	0.000%	0.003	0.003		0.0035	0.0035		0.004	0.004		0.004	0.004	
NV	2,404	1,891	513	0.042%	0.000%	0.195%	4.9		4.9	4.9		4.9	4.9		4.9	4.9		4.9
NY	551	390	161	1.815%	2.051%	1.242%	0.02	0.05	0.02	1.85	2.865	0.26	4.66	5.12	0.5	5.12	5.12	0.5
OH	42	12	30	0.000%	0.000%	0.000%												
OK																		
OR	2,049	1,566	483	0.098%	0.128%	0.000%	0.09	0.09		0.12	0.12		0.15	0.15		0.15	0.15	
RI	2,258	1,782	476	0.044%	0.000%	0.210%	0.4		0.4	0.4		0.4	0.4		0.4	0.4		0.4
SC	3,248	2,794	454	2.771%	2.577%	3.965%	0.02	0.02	0.09	0.22	0.1	0.31	0.5	0.5	0.5	0.51	0.5	0.51
SD	1,493	1,367	126	0.000%	0.000%	0.000%												
TN	55	11	44	0.000%	0.000%	0.000%												
TX	34,144	27,040	7,104	0.009%	0.011%	0.000%	1.6	1.6		1.6	1.6		1.6	1.6		1.6	1.6	
UT	13	13	0	7.692%	7.692%	0.000%	6.6	6.6		6.6	6.6		6.6	6.6		6.6	6.6	
VA	4,824	3,823	1,001	0.000%	0.000%	0.000%												
VT	435	377	58	0.000%	0.000%	0.000%												
WI	2,867	2,837	30	0.105%	0.106%	0.000%	0.01	0.01		0.01	0.01		0.2	0.2		0.2	0.2	
WV	694	361	333	1.585%	2.216%	0.901%	0.0028	0.0028	0.02	0.02	0.0114	0.02	0.5	1.3	0.5	1.3	1.3	0.5
WY	1,326	997	329	0.000%	0.000%	0.000%												
Total	231,169	178,958	52,211	8.544%	4.675%	21.806%	0.0014	0.0014	0.009	0.09	0.08	0.09	0.47	0.46	0.48	10.8	6.6	10.8

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	140	78	62	210,315	108,644	101,671	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	185	138	47	2,887,527	734,715	2,152,812	6.486%	5.797%	8.511%	7.028%	9.705%	6.114%
AR	454	382	72	2,453,348	910,322	1,543,026	0.661%	0.785%	0.000%	1.322%	3.563%	0.000%
AZ	931	883	48	6,054,727	2,684,136	3,370,591	1.719%	1.246%	10.417%	45.524%	7.946%	75.449%
CA	2,090	1,796	294	34,488,472	12,817,660	21,670,812	11.196%	11.303%	10.544%	16.224%	16.586%	16.010%
CO	815	596	219	4,992,761	527,877	4,464,884	0.123%	0.000%	0.457%	0.034%	0.000%	0.038%
CT	711	673	38	2,608,625	274,738	2,333,887	0.281%	0.149%	2.632%	0.405%	2.704%	0.134%
DE	332	329	3	707,346	425,946	281,400	0.301%	0.304%	0.000%	0.031%	0.052%	0.000%
FL	1,311	1,290	21	16,789,423	14,550,247	2,239,176	0.992%	1.008%	0.000%	22.850%	26.366%	0.000%
GA	1,763	1,648	115	7,452,538	1,559,757	5,892,781	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	109	97	12	1,300,349	1,245,721	54,628	4.587%	5.155%	0.000%	17.460%	18.226%	0.000%
IA	37	36	1	187,920	53,303	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	657	630	27	926,227	707,598	218,629	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,369	1,265	104	9,186,672	2,986,275	6,200,397	0.657%	0.474%	2.885%	1.091%	1.775%	0.762%
IN	1,403	1,359	44	4,866,831	2,547,095	2,319,736	0.071%	0.000%	2.273%	3.603%	0.000%	7.559%
KY	242	93	149	4,602,489	375,460	4,227,029	2.066%	0.000%	3.356%	8.536%	0.000%	9.294%
MA	635	524	111	8,407,608	1,680,442	6,727,166	0.315%	0.191%	0.901%	0.660%	0.922%	0.595%
MD	858	790	68	4,904,050	905,943	3,998,107	0.816%	0.253%	7.353%	71.029%	2.798%	86.490%
ME	741	688	53	719,849	284,275	435,574	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,037	1,977	60	6,884,269	1,707,979	5,176,290	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	646	596	50	693,590	318,486	375,104	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,361	2,228	133	6,786,602	1,733,551	5,053,051	0.296%	0.314%	0.000%	0.353%	1.384%	0.000%
ND	28	22	6	47,665	40,636	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	773	762	11	1,462,281	685,801	776,480	0.129%	0.131%	0.000%	0.012%	0.026%	0.000%
NH	1,214	1,196	18	614,066	395,955	218,111	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	1,397	1,360	37	7,747,090	2,711,144	5,035,946	0.859%	0.809%	2.703%	1.349%	2.175%	0.904%
NM	282	267	15	1,419,356	1,213,960	205,396	0.355%	0.375%	0.000%	31.922%	37.322%	0.000%
NV	313	293	20	968,909	279,110	689,799	0.319%	0.000%	5.000%	0.857%	0.000%	1.203%
NY	347	265	82	1,394,537	376,495	1,018,042	2.594%	2.642%	2.439%	2.177%	0.985%	2.618%
OH	10	5	5	2,712,928	92,894	2,620,034	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,084	934	150	2,937,104	572,354	2,364,750	0.092%	0.107%	0.000%	0.001%	0.005%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.690%	0.000%	11.111%	7.470%	0.000%	9.225%
SC	783	723	60	3,445,274	811,841	2,633,433	3.448%	3.043%	8.333%	11.207%	8.494%	12.044%
SD	292	271	21	655,146	295,975	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	10	5	5	595,572	109,942	485,630	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.061%	0.065%	0.000%	0.009%	0.025%	0.000%
UT	4	4	0	24,010	24,010	0	25.000%	25.000%	0.000%	0.125%	0.125%	0.000%
VA	1,502	1,334	168	3,371,566	606,017	2,765,549	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	248	223	25	353,810	127,114	226,696	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WI	762	752	10	2,780,940	1,562,033	1,218,907	0.394%	0.399%	0.000%	0.039%	0.069%	0.000%
WV	343	197	146	1,370,967	206,754	1,164,213	2.624%	4.061%	0.685%	0.536%	1.440%	0.376%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	37,618	34,602	3,016	193,749,339	73,552,992	120,196,347	1.029%	0.922%	2.255%	9.268%	9.820%	8.929%



State	Number of Systems with At Least One Detection > 0.2 µg/L			Percent of Systems with At Least One Detection > 0.2 µg/L			Population Served by Systems with At Least One Detection > 0.2 µg/L			Percent of Population Served with At Least One Detection > 0.2 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	6	5	1	3.243%	3.623%	2.128%	104,064	53,064	51,000	3.604%	7.222%	2.369%
AR	1	1	0	0.220%	0.262%	0.000%	3,548	3,548	0	0.145%	0.390%	0.000%
AZ	2	1	1	0.215%	0.113%	2.083%	168,000	28,000	140,000	2.775%	1.043%	4.154%
CA	88	73	15	4.211%	4.065%	5.102%	2,317,857	793,249	1,524,608	6.721%	6.189%	7.035%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	2	2	0	1.835%	2.062%	0.000%	41,542	41,542	0	3.195%	3.335%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	1,409	1,409	0	0.021%	0.081%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	10	9	1	0.716%	0.662%	2.703%	103,891	58,391	45,500	1.341%	2.154%	0.904%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	0	1	0.319%	0.000%	5.000%	8,300	0	8,300	0.857%	0.000%	1.203%
NY	7	6	1	2.017%	2.264%	1.220%	3,773	3,647	126	0.271%	0.969%	0.012%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	1	0	1	0.690%	0.000%	11.111%	68,263	0	68,263	7.470%	0.000%	9.225%
SC	21	17	4	2.682%	2.351%	6.667%	322,423	45,812	276,611	9.358%	5.643%	10.504%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	3	3	0	0.061%	0.065%	0.000%	2,347	2,347	0	0.009%	0.025%	0.000%
UT	1	1	0	25.000%	25.000%	0.000%	30	30	0	0.125%	0.125%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.583%	0.508%	0.685%	6,044	1,670	4,374	0.441%	0.808%	0.376%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	146	120	26	0.388%	0.347%	0.862%	3,151,491	1,032,709	2,118,782	1.627%	1.404%	1.763%

State	Number of Systems with At Least One Detection ≥ 0.1 µg/L			Percent of Systems with At Least One Detection ≥ 0.1 µg/L			Population Served by Systems with At Least One Detection ≥ 0.1 µg/L			Percent of Population Served with At Least One Detection ≥ 0.1 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
	AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%
AL	8	6	2	4.324%	4.348%	4.255%	143,180	63,009	80,171	4.959%	8.576%	3.724%
AR	2	2	0	0.441%	0.524%	0.000%	31,892	31,892	0	1.300%	3.503%	0.000%
AZ	5	4	1	0.537%	0.453%	2.083%	168,736	28,736	140,000	2.787%	1.071%	4.154%
CA	129	112	17	6.172%	6.236%	5.782%	2,737,737	1,066,181	1,671,556	7.938%	8.318%	7.713%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	2	2	0	1.835%	2.062%	0.000%	41,542	41,542	0	3.195%	3.335%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	0	1	0.073%	0.000%	0.962%	1,502	0	1,502	0.016%	0.000%	0.024%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	13,807	0	13,807	0.300%	0.000%	0.327%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	3	1	2	0.350%	0.127%	2.941%	3,445,000	25,000	3,420,000	70.248%	2.760%	85.540%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	1,409	1,409	0	0.021%	0.081%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	11	10	1	0.787%	0.735%	2.703%	104,311	58,811	45,500	1.346%	2.169%	0.904%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	0	1	0.319%	0.000%	5.000%	8,300	0	8,300	0.857%	0.000%	1.203%
NY	7	6	1	2.017%	2.264%	1.220%	3,773	3,647	126	0.271%	0.969%	0.012%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	1	1	0	0.092%	0.107%	0.000%	31	31	0	0.001%	0.005%	0.000%
RI	1	0	1	0.690%	0.000%	11.111%	68,263	0	68,263	7.470%	0.000%	9.225%
SC	21	17	4	2.682%	2.351%	6.667%	322,423	45,812	276,611	9.358%	5.643%	10.504%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	3	3	0	0.061%	0.065%	0.000%	2,347	2,347	0	0.009%	0.025%	0.000%
UT	1	1	0	25.000%	25.000%	0.000%	30	30	0	0.125%	0.125%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.131%	0.133%	0.000%	200	200	0	0.007%	0.013%	0.000%
WV	2	1	1	0.583%	0.508%	0.685%	6,044	1,670	4,374	0.441%	0.808%	0.376%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	201	168	33	0.534%	0.486%	1.094%	7,100,527	1,370,317	5,730,210	3.665%	1.863%	4.767%

Table A22. 1,2-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 600 µg/L	46,166	0	0.000%	86,389,766	0	0.000%
	≥ 300 µg/L	46,166	0	0.000%	86,389,766	0	0.000%
Surface Water	> 600 µg/L	4,256	0	0.000%	140,540,050	0	0.000%
	≥ 300 µg/L	4,256	0	0.000%	140,540,050	0	0.000%
Combined Ground & Surface Water	> 600 µg/L	50,422	0	0.000%	226,929,816	0	0.000%
	≥ 300 µg/L	50,422	0	0.000%	226,929,816	0	0.000%

Table A22a. 1,2-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,169	2,037	1,132	0.032%	0.049%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
AL	820	596	224	0.000%	0.000%	0.000%												
AR	2,383	1,915	468	0.000%	0.000%	0.000%												
AZ	11,712	9,540	2,172	0.026%	0.000%	0.138%	0.5		0.5	0.5		0.5	0.5		0.5	0.5		0.5
CA	85,811	45,401	40,410	0.010%	0.015%	0.005%	0.03	0.6	0.03	0.8	0.8	3.015	6	1.1	6	6	1.1	6
CO	2,864	2,125	739	0.209%	0.235%	0.135%	0.04	0.04	0.05	0.045	0.04	0.05	0.06	0.06	0.05	0.06	0.06	0.05
CT	6,936	6,045	891	0.130%	0.149%	0.000%	0.6	0.6		1.5	1.5		6.9	6.9		6.9	6.9	
DE	1,047	1,017	30	0.000%	0.000%	0.000%												
FL	4,151	4,083	68	0.554%	0.563%	0.000%	0.07	0.07		0.5	0.5		2	2		2.4	2.4	
GA	7,174	6,347	827	0.000%	0.000%	0.000%												
HI	1,790	1,687	103	0.000%	0.000%	0.000%												
IA	1,757	1,632	125	0.000%	0.000%	0.000%												
ID	3,751	3,290	461	0.000%	0.000%	0.000%												
IL	6,996	6,436	560	0.029%	0.031%	0.000%	0.68	0.68		0.94	0.94		1.2	1.2		1.2	1.2	
IN	4,621	4,311	310	0.000%	0.000%	0.000%												
KY	3,311	1,127	2,184	0.453%	0.000%	0.687%	0.004		0.004	0.5		0.5	1.2		1.2	1.4		1.4
MA	16,249	12,259	3,990	0.123%	0.163%	0.000%	0.4	0.4		0.76	0.76		35	35		45	45	
MD	6,771	5,509	1,262	0.118%	0.127%	0.079%	0.1	0.4	0.1	1.15	1.2	0.1	16	16	0.1	16	16	0.1
ME	3,697	3,382	315	0.081%	0.089%	0.000%	0.5	0.5		0.5	0.5		1.9	1.9		1.9	1.9	
MI	10,753	9,743	1,010	0.186%	0.205%	0.000%	0.5	0.5		0.8	0.8		0.9	0.9		1	1	
MN	8,581	7,332	1,249	0.035%	0.041%	0.000%	0.2	0.2		0.3	0.3		0.7	0.7		0.7	0.7	
MO	7,544	6,695	849	0.000%	0.000%	0.000%												
MT	4,491	3,952	539	0.000%	0.000%	0.000%												
NC	19,067	17,487	1,580	0.115%	0.126%	0.000%	0.5	0.5		0.8	0.8		1.7	1.7		4.9	4.9	
ND	555	418	137	0.541%	0.718%	0.000%	0.6	0.6		1.02	1.02		6.94	6.94		6.94	6.94	
NE	6,835	6,257	578	0.015%	0.000%	0.173%	1		1	1		1	1		1	1		1
NH	9,594	9,112	482	0.250%	0.198%	1.245%	0.5	0.5	0.5	1.05	1.1	0.6	1.4	1.4	2.1	2.1	1.4	2.1
NJ	20,354	18,568	1,786	0.206%	0.205%	0.224%	0.09	0.09	0.2	1.1	1.325	0.3	4.42	4.69	0.4	9.04	9.04	0.4
NM	6,572	6,096	476	0.000%	0.000%	0.000%												
NV	3,202	2,575	627	0.344%	0.427%	0.000%	1.43	1.43		2.99	2.99		7.93	7.93		110	110	
NY	7,082	5,424	1,658	0.085%	0.074%	0.121%	0.5	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.5	0.7	0.7	0.5
OH	8,853	7,691	1,162	0.000%	0.000%	0.000%												
OK	5,638	4,202	1,436	0.000%	0.000%	0.000%												
OR	2,326	1,684	642	0.043%	0.059%	0.000%	1.1	1.1		1.1	1.1		1.1	1.1		1.1	1.1	
RI	1,959	1,591	368	0.000%	0.000%	0.000%												
SC	4,326	3,789	537	0.023%	0.000%	0.186%	0.1		0.1	0.1		0.1	0.1		0.1	0.1		0.1
SD	889	855	34	0.000%	0.000%	0.000%												
TN	2,947	1,166	1,781	0.000%	0.000%	0.000%												
TX	34,144	27,040	7,104	0.006%	0.007%	0.000%	0.5	0.5		0.9	0.9		1.3	1.3		1.3	1.3	
UT	8,989	7,563	1,426	0.000%	0.000%	0.000%												
VA	4,888	4,021	867	0.020%	0.025%	0.000%	0.7	0.7		0.7	0.7		0.7	0.7		0.7	0.7	
VT	4,270	3,887	383	0.375%	0.412%	0.000%	1	1		2	2		2.6	2.6		3	3	
WI	11,293	11,168	125	0.071%	0.072%	0.000%	0.01	0.01		0.44	0.44		90	90		90	90	
WV	1,126	438	688	1.155%	2.511%	0.291%	0.21	0.21	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
WY	1,658	1,155	503	0.000%	0.000%	0.000%												
Total	372,946	288,648	84,298	0.073%	0.081%	0.045%	0.004	0.01	0.004	0.8	0.9	0.5	2.74	3	1.3	110	110	6

Table A22b. 1,2-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.161%	0.211%	0.000%	0.825%	2.150%	0.000%
AL	263	202	61	4,218,278	1,123,190	3,095,088	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.094%	0.000%	2.083%	4.865%	0.000%	8.901%
CA	3,650	3,133	517	35,827,368	13,514,907	22,312,461	0.164%	0.128%	0.387%	0.901%	0.897%	0.903%
CO	826	605	221	4,997,841	530,207	4,467,634	0.605%	0.661%	0.452%	0.016%	0.112%	0.005%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.249%	0.257%	0.000%	0.065%	0.454%	0.000%
DE	318	315	3	698,987	417,587	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,510	1,484	26	17,495,564	15,249,522	2,246,042	0.331%	0.337%	0.000%	1.033%	1.185%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.140%	0.151%	0.000%	0.012%	0.036%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	4.149%	0.000%	6.711%	10.100%	0.000%	10.996%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.557%	0.667%	0.000%	0.101%	0.494%	0.000%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.474%	0.406%	1.471%	34.044%	0.014%	42.770%
ME	810	757	53	728,347	292,773	435,574	0.370%	0.396%	0.000%	0.043%	0.106%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.034%	0.034%	0.000%	0.004%	0.014%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.190%	0.193%	0.000%	0.075%	0.106%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.465%	0.494%	0.000%	0.029%	0.117%	0.000%
ND	209	182	27	562,332	257,107	305,225	0.957%	1.099%	0.000%	0.341%	0.745%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.130%	0.000%	9.091%	35.027%	0.000%	65.960%
NH	1,258	1,217	41	948,788	398,989	549,799	0.397%	0.329%	2.439%	3.786%	0.480%	6.184%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	1.001%	0.955%	2.703%	1.420%	3.935%	0.066%
NM	727	688	39	1,698,980	1,432,432	266,548	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.592%	0.631%	0.000%	0.209%	0.717%	0.000%
NY	1,520	1,284	236	4,893,045	1,042,443	3,850,602	0.395%	0.312%	0.847%	0.082%	0.355%	0.008%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK	730	518	212	3,123,687	664,833	2,458,854	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.091%	0.106%	0.000%	0.020%	0.104%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	817	755	62	3,356,049	732,097	2,623,952	0.122%	0.000%	1.613%	0.479%	0.000%	0.612%
SD	245	233	12	266,416	194,218	72,198	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.040%	0.043%	0.000%	0.039%	0.106%	0.000%
UT	500	454	46	2,553,197	1,698,877	854,320	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	1,590	1,420	170	5,269,962	628,527	4,641,435	0.063%	0.070%	0.000%	0.002%	0.019%	0.000%
VT	603	560	43	491,035	227,067	263,968	0.332%	0.357%	0.000%	0.044%	0.095%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	0.336%	0.340%	0.000%	0.285%	0.491%	0.000%
WV	402	242	160	1,415,371	237,021	1,178,350	3.234%	4.545%	1.250%	2.060%	0.979%	2.277%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,422	46,166	4,256	226,929,816	86,389,766	140,540,050	0.230%	0.201%	0.540%	1.646%	0.539%	2.326%

Table A22c. 1,2-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 600 µg/L			Percent of Systems with At Least One Detection > 600 µg/L			Population Served by Systems with At Least One Detection > 600 µg/L			Percent of Population Served with At Least One Detection > 600 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A22d. 1,2-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 300 µg/L			Percent of Systems with At Least One Detection ≥ 300 µg/L			Population Served by Systems with At Least One Detection ≥ 300 µg/L			Percent of Population Served with At Least One Detection ≥ 300 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A23. 1,4-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 75 µg/L	45,785	3	0.007%	85,479,601	99,019	0.116%
	≥ 37.5 µg/L	45,785	6	0.013%	85,479,601	103,510	0.121%
Surface Water	> 75 µg/L	4,184	0	0.000%	138,997,024	0	0.000%
	≥ 37.5 µg/L	4,184	0	0.000%	138,997,024	0	0.000%
Combined Ground & Surface Water	> 75 µg/L	49,969	3	0.006%	224,476,625	99,019	0.044%
	≥ 37.5 µg/L	49,969	6	0.012%	224,476,625	103,510	0.046%



Table A23a. 1,4-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,184	2,046	1,138	0.345%	0.293%	0.439%	0.31	0.32	0.31	0.6	2.08	0.6	4.3	5	1.5	5	5	1.5
AL	822	597	225	0.365%	0.335%	0.444%	0.8	0.8	1.5	1.23	1.015	1.5	1.5	1.23	1.5	1.5	1.23	1.5
AR																		
AZ	11,687	9,520	2,167	0.034%	0.011%	0.138%	0.5	0.9	0.5	0.5	0.9	0.5	0.9	0.9	0.5	0.9	0.9	0.5
CA	85,845	45,431	40,414	0.047%	0.059%	0.032%	0.01	0.51	0.01	0.89	1	0.53	3.6	10	1.4	91	91	2.2
CO	2,867	2,124	743	0.837%	0.612%	1.480%	0.04	0.04	0.05	0.06	0.05	0.74	1.5	0.07	11.8	13.6	0.3	13.6
CT	6,936	6,045	891	0.663%	0.761%	0.000%	0.6	0.6		0.955	0.955		1.7	1.7		700	700	
DE	1,050	1,020	30	0.667%	0.686%	0.000%	0.56	0.56		0.85	0.85		4.11	4.11		4.11	4.11	
FL	4,156	4,089	67	0.577%	0.587%	0.000%	0.0052	0.0052		1.295	1.295		5.3	5.3		41	41	
GA	7,174	6,347	827	0.251%	0.252%	0.242%	0.54	0.54	0.83	1.55	1.55	1.315	4.3	4.3	1.8	4.5	4.5	1.8
HI	1,790	1,687	103	0.000%	0.000%	0.000%												
IA	1,803	1,665	138	1.664%	1.261%	6.522%	0.2	0.2	0.5	0.7	0.7	0.7	1.4	1.4	1.3	5.1	5.1	1.3
ID	3,750	3,289	461	0.053%	0.061%	0.000%	0.1	0.1		0.4	0.4		0.7	0.7		0.7	0.7	
IL	7,002	6,442	560	0.314%	0.264%	0.893%	0.21	0.21	0.59	0.9	0.9	0.9	1.45	1.7	1.11	7	7	1.11
IN	4,624	4,314	310	1.125%	1.205%	0.000%	0.5	0.5		1	1		2.4	2.4		7.9	7.9	
KY	3,314	1,128	2,186	0.634%	0.266%	0.823%	0.002	0.5	0.002	0.5	0.5	0.5	1	0.7	1.2	6	0.7	6
MA	16,249	12,259	3,990	0.215%	0.237%	0.150%	0.3	0.3	0.4	1.1	1.3	0.495	8.9	9	1.4	50	50	1.4
MD	6,771	5,509	1,262	0.753%	0.908%	0.079%	0.2	0.2	0.2	0.9	0.95	0.2	3.8	4.3	0.2	8.4	8.4	0.2
ME	3,697	3,382	315	0.270%	0.266%	0.317%	0.42	0.42	1.7	0.65	0.6	1.7	2.15	2.6	1.7	2.6	2.6	1.7
MI	10,753	9,743	1,010	0.549%	0.585%	1.988%	0.4	0.4	0.5	0.6	0.7	0.55	1.8	1.8	0.6	9.3	9.3	0.6
MN	8,597	7,339	1,258	0.826%	0.627%	1.987%	0.2	0.2	0.2	0.4	0.4	0.4	1.5	1.9	0.8	4.2	4.2	2.5
MO	7,544	6,695	849	0.278%	0.239%	0.589%	0.5	0.5	0.5	1.1	1.25	0.7	3	3.5	2.3	47.8	47.8	2.3
MT	4,491	3,952	539	0.022%	0.025%	0.000%	0.58	0.58		0.58	0.58		0.58	0.58		0.58	0.58	
NC	19,068	17,488	1,580	0.210%	0.223%	0.063%	0.5	0.5	0.6	0.9	0.9	0.6	1.75	1.9	0.6	91.5	91.5	0.6
ND	551	416	135	1.089%	0.000%	4.444%	0.74		0.74	1.11		1.11	1.86		1.86	1.86		1.86
NE	6,835	6,257	578	0.132%	0.128%	0.173%	0.5	0.5	1.1	0.66	0.625	1.1	4.6	4.6	1.1	4.6	4.6	1.1
NH	9,600	9,122	478	0.469%	0.493%	0.000%	0.52	0.52		1.1	1.1		2.7	2.7		5	5	
NJ	20,349	18,563	1,786	0.580%	0.620%	0.168%	0.07	0.07	0.1	0.515	0.52	0.1	1.92	1.92	1	25.21	25.21	1
NM	6,578	6,102	476	0.106%	0.115%	0.000%	0.3	0.3		1	1		1.4	1.4		1.4	1.4	
NV	3,204	2,575	629	0.343%	0.427%	0.000%	0.1	0.1		1.07	1.07		1.52	1.52		1.7	1.7	
NY	7,083	5,425	1,658	0.212%	0.240%	0.121%	0.5	0.5	0.5	1.2	1.5	0.5	2.1	2.1	0.5	3.4	3.4	0.5
OH	8,848	7,686	1,162	1.288%	1.483%	0.000%	0.5	0.5		1.1	1.1		4.18	4.18		14.2	14.2	
OK	5,638	4,202	1,436	0.603%	0.714%	0.279%	0.4	0.5	0.4	1.2	1.22	0.95	4.3	5.15	1.4	16.3	16.3	1.4
OR	2,324	1,682	642	0.000%	0.000%	0.000%												
RI	1,959	1,591	368	0.051%	0.063%	0.000%	1.7	1.7		1.7	1.7		1.7	1.7		1.7	1.7	
SC	4,330	3,793	537	0.069%	0.000%	0.559%	0.3		0.3	0.59		0.59	0.97		0.97	0.97		0.97
SD	889	855	34	0.000%	0.000%	0.000%												
TN	2,951	1,165	1,786	0.441%	0.000%	0.728%	0.52		0.52	0.71		0.71	1.1		1.1	2		2
TX	34,146	27,040	7,106	0.343%	0.318%	0.436%	0.5	0.5	0.5	0.8	0.9	0.7	1.6	1.5	1.6	3.5	3.5	2.1
UT	8,993	7,562	1,431	0.111%	0.132%	0.000%	0.1	0.1		0.4	0.4		4.7	4.7		4.7	4.7	
VA	4,883	4,015	868	0.369%	0.399%	0.230%	0.6	0.6	0.6	0.75	0.8	0.65	1.7	1.7	0.7	2.7	2.7	0.7
VT	4,270	3,886	384	0.562%	0.618%	0.000%	0.6	0.6		1.5	1.5		2	2		2.3	2.3	
WI	11,295	11,170	125	1.965%	1.952%	3.200%	0.02	0.02	0.1	0.42	0.43	0.15	2.5	2.5	0.24	16	16	0.24
WV	1,140	448	692	1.404%	2.902%	0.434%	0.27	0.27	0.5	0.5	0.5	0.5	1.21	1.21	0.8	1.21	1.21	0.8
WY	1,658	1,155	503	0.121%	0.000%	0.398%	0.7		0.7	0.75		0.75	0.8		0.8	0.8		0.8
Total	370,698	286,821	83,877	0.371%	0.417%	0.217%	0.002	0.0052	0.002	0.8	0.8	0.6	2.4	2.5	1.4	700	700	13.6

Table A23b. 1,4-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	1.290%	0.844%	2.740%	1.462%	2.259%	0.965%
AL	263	202	61	4,218,278	1,123,190	3,095,088	1.141%	0.990%	1.639%	0.550%	0.164%	0.690%
AR												
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.189%	0.099%	2.083%	4.866%	0.004%	8.901%
CA	3,651	3,134	517	35,827,608	13,515,147	22,312,461	0.685%	0.670%	0.774%	2.536%	3.853%	1.739%
CO	826	605	221	4,997,841	530,207	4,467,634	1.695%	1.653%	1.810%	0.080%	0.488%	0.032%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	1.326%	1.370%	0.000%	0.047%	0.330%	0.000%
DE	319	316	3	699,187	417,787	281,400	1.881%	1.899%	0.000%	0.210%	0.352%	0.000%
FL	1,510	1,484	26	17,495,564	15,249,522	2,246,042	1.325%	1.348%	0.000%	0.831%	0.954%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.329%	0.293%	0.862%	0.078%	0.115%	0.068%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	1.610%	1.271%	12.121%	6.196%	0.989%	12.934%
ID	935	878	57	1,093,666	837,604	256,062	0.214%	0.228%	0.000%	0.034%	0.045%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.910%	0.906%	0.962%	2.508%	4.381%	1.597%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	1.832%	1.888%	0.000%	3.692%	7.023%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	5.809%	3.261%	7.383%	10.078%	0.571%	10.922%
MA	718	600	118	8,557,325	1,749,901	6,807,424	2.507%	2.500%	2.542%	1.185%	2.923%	0.738%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	2.467%	2.535%	1.471%	34.301%	1.275%	42.770%
ME	810	757	53	728,347	292,773	435,574	0.988%	0.925%	1.887%	1.026%	0.478%	1.395%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.841%	0.790%	3.279%	1.501%	1.146%	1.636%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	2.528%	2.062%	26.667%	7.596%	5.521%	12.597%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	1.059%	0.896%	3.896%	1.957%	0.445%	3.901%
MT	848	788	60	757,949	365,280	392,669	0.118%	0.127%	0.000%	0.012%	0.026%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	1.352%	1.391%	0.719%	0.734%	1.932%	0.339%
ND	209	182	27	562,332	257,107	305,225	0.478%	0.000%	3.704%	0.676%	0.000%	1.245%
NE	771	760	11	1,462,181	685,701	776,480	0.908%	0.789%	9.091%	35.082%	0.116%	65.960%
NH	1,258	1,217	41	948,788	398,989	549,799	1.431%	1.479%	0.000%	0.313%	0.744%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	3.720%	3.674%	5.405%	2.737%	6.111%	0.919%
NM	727	688	39	1,698,980	1,432,432	266,548	0.963%	1.017%	0.000%	0.207%	0.245%	0.000%
NV	338	317	21	973,592	283,701	689,891	1.479%	1.577%	0.000%	0.164%	0.564%	0.000%
NY	1,520	1,284	236	4,893,045	1,042,443	3,850,602	0.724%	0.701%	0.847%	0.107%	0.471%	0.008%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	2.675%	2.859%	0.000%	0.199%	0.651%	0.000%
OK	730	518	212	3,123,687	664,833	2,458,854	1.918%	2.317%	0.943%	2.165%	2.015%	2.205%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.690%	0.735%	0.000%	0.022%	0.115%	0.000%
SC	818	756	62	3,356,179	732,227	2,623,952	0.244%	0.000%	3.226%	11.987%	0.000%	15.332%
SD	245	233	12	266,416	194,218	72,198	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	1.709%	0.000%	3.175%	2.033%	0.000%	2.737%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	1.737%	1.410%	6.140%	3.204%	1.366%	4.284%
UT	500	454	46	2,553,197	1,698,877	854,320	0.600%	0.661%	0.000%	0.029%	0.044%	0.000%
VA	1,587	1,417	170	5,268,900	627,465	4,641,435	0.630%	0.565%	1.176%	0.421%	0.477%	0.413%
VT	603	560	43	4,91,035	227,067	263,968	1.161%	1.250%	0.000%	0.116%	0.252%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	6.278%	6.179%	15.000%	10.150%	16.047%	1.966%
WV	403	243	160	1,416,020	237,670	1,178,350	3.722%	4.938%	1.875%	5.102%	0.944%	5.940%
WY	304	256	48	446,177	129,229	316,948	0.329%	0.000%	2.083%	0.013%	0.000%	0.019%
Total	49,969	45,785	4,184	224,476,625	85,479,601	138,997,024	1.497%	1.424%	2.294%	3.325%	2.374%	3.910%

Table A23c. 1,4-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 75 µg/L			Percent of Systems with At Least One Detection > 75 µg/L			Population Served by Systems with At Least One Detection > 75 µg/L			Percent of Population Served with At Least One Detection > 75 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR												
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.027%	0.032%	0.000%	98,730	98,730	0	0.276%	0.731%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.083%	0.086%	0.000%	60	60	0	0.002%	0.015%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	229	229	0	0.003%	0.013%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	3	3	0	0.006%	0.007%	0.000%	99,019	99,019	0	0.044%	0.116%	0.000%

Table A23d. 1,4-Dichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 37.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 37.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 37.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 37.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR												
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.027%	0.032%	0.000%	98,730	98,730	0	0.276%	0.731%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.083%	0.086%	0.000%	60	60	0	0.002%	0.015%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.066%	0.067%	0.000%	26	26	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	1	1	0	0.139%	0.167%	0.000%	65	65	0	0.001%	0.004%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	1	1	0	0.071%	0.075%	0.000%	4,400	4,400	0	0.146%	0.260%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	229	229	0	0.003%	0.013%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	6	6	0	0.012%	0.013%	0.000%	103,510	103,510	0	0.046%	0.121%	0.000%

Table A24. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 µg/L	46,185	33	0.071%	86,392,793	247,240	0.286%
	≥ 2.5 µg/L	46,185	58	0.126%	86,392,793	337,994	0.391%
	≥ 1 µg/L	46,185	139	0.301%	86,392,793	858,498	0.994%
	> 0.5 µg/L	46,185	214	0.463%	86,392,793	1,399,602	1.620%
Surface Water	> 5 µg/L	4,257	3	0.070%	140,541,198	190,972	0.136%
	≥ 2.5 µg/L	4,257	8	0.188%	140,541,198	4,412,609	3.140%
	≥ 1 µg/L	4,257	25	0.587%	140,541,198	5,428,439	3.863%
	> 0.5 µg/L	4,257	41	0.963%	140,541,198	7,551,832	5.373%
Combined Ground & Surface Water	> 5 µg/L	50,442	36	0.071%	226,933,991	438,212	0.193%
	≥ 2.5 µg/L	50,442	66	0.131%	226,933,991	4,750,603	2.093%
	≥ 1 µg/L	50,442	164	0.325%	226,933,991	6,286,937	2.770%
	> 0.5 µg/L	50,442	255	0.506%	226,933,991	8,951,434	3.945%

Table A24a. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,110	1,973	1,137	0.450%	0.456%	0.440%	0.21	0.21	0.5	0.675	0.76	0.59	1.2	1.3	1.08	1.3	1.3	1.08
AL	827	603	224	1.088%	1.493%	0.000%	0.5	0.5		1.1	1.1		2.07	2.07		2.07	2.07	
AR	2,394	1,926	468	0.376%	0.467%	0.000%	0.1	0.1		0.29	0.29		5.58	5.58		5.58	5.58	
AZ	11,693	9,525	2,168	0.111%	0.105%	0.138%	0.5	0.59	0.5	0.7	0.9	0.5	1.5	1.6	0.5	1.7	1.7	0.5
CA	88,321	46,908	41,413	1.127%	1.190%	1.055%	0.13	0.13	0.5	1.2	1.9	0.75	3.1	3.7	1.8	33	11	33
CO	2,878	2,139	739	0.243%	0.327%	0.000%	0.5	0.5		3.6	3.6		26	26		26	26	
CT	6,938	6,047	891	0.115%	0.116%	0.112%	0.6	0.6	1.2	1.05	0.9	1.2	15	15	1.2	15	15	1.2
DE	1,069	1,039	30	0.374%	0.289%	3.333%	0.63	0.63	5.19	0.745	0.69	5.19	5.19	0.8	5.19	5.19	0.8	5.19
FL	4,147	4,079	68	0.482%	0.490%	0.000%	0.07	0.07		0.13	0.13		0.3	0.3		4.18	4.18	
GA	7,176	6,349	827	0.543%	0.378%	1.814%	0.5	0.5	1.1	1.5	0.745	2.2	2.5	2.1	2.6	2.7	2.6	2.7
HI	1,791	1,688	103	0.000%	0.000%	0.000%												
IA	1,823	1,698	125	0.549%	0.589%	0.000%	0.1	0.1		0.8	0.8		1.95	1.95		2.2	2.2	
ID	3,765	3,304	461	0.027%	0.030%	0.000%	0.6	0.6		0.6	0.6		0.6	0.6		0.6	0.6	
IL	6,998	6,438	560	0.029%	0.031%	0.000%	0.8	0.8		0.8	0.8		0.8	0.8		0.8	0.8	
IN	4,623	4,313	310	0.043%	0.023%	0.323%	0.8	1.6	0.8	1.2	1.6	0.8	1.6	1.6	0.8	1.6	1.6	0.8
KY	3,317	1,131	2,186	0.422%	0.088%	0.595%	0.005	0.1	0.005	0.195	0.1	0.2	0.5	0.1	0.5	1	0.1	1
MA	16,249	12,259	3,990	0.172%	0.082%	0.451%	0.41	0.5	0.41	1.15	1	1.15	3.4	2.05	4	47	2.1	47
MD	6,773	5,511	1,262	0.340%	0.327%	0.396%	0.1	0.6	0.1	1.5	2.6	1	54.5	65.3	1.2	135.8	135.8	1.2
ME	3,697	3,382	315	0.189%	0.207%	0.000%	0.5	0.5		1.1	1.1		7.3	7.3		7.3	7.3	
MI	10,753	9,743	1,010	0.400%	0.441%	0.000%	0.5	0.5		1	1		8.9	8.9		13.3	13.3	
MN	8,584	7,335	1,249	1.153%	1.350%	0.000%	0.2	0.2		0.7	0.7		4.1	4.1		11	11	
MO	7,544	6,695	849	0.106%	0.119%	0.000%	0.5	0.5		0.85	0.85		1.8	1.8		1.8	1.8	
MT	4,491	3,952	539	0.089%	0.101%	0.000%	0.69	0.69		0.905	0.905		4.3	4.3		4.3	4.3	
NC	19,067	17,487	1,580	0.393%	0.423%	0.063%	0.5	0.5	0.82	1.42	1.56	0.82	5.3	5.3	0.82	9.7	9.7	0.82
ND	552	417	135	0.000%	0.000%	0.000%												
NE	6,844	6,265	579	0.921%	0.990%	0.173%	0.11	0.11	0.25	0.6	0.645	0.25	2.36	2.36	0.25	14	14	0.25
NH	9,583	9,105	478	0.230%	0.242%	0.000%	0.6	0.6		0.945	0.945		14	14		62.74	62.74	
NJ	20,359	18,571	1,788	0.894%	0.781%	2.069%	0.08	0.08	0.2	0.56	0.5	0.6	1.4	1.51	1.2	10	10	1.8
NM	6,577	6,102	475	0.091%	0.082%	0.211%	0.1	0.1	0.8	0.645	0.55	0.8	0.99	0.99	0.8	0.99	0.99	0.8
NV	3,210	2,579	631	0.031%	0.039%	0.000%	0.81	0.81		0.81	0.81		0.81	0.81		0.81	0.81	
NY	7,081	5,412	1,669	0.254%	0.296%	0.120%	0.5	0.5	0.5	0.66	0.7	0.5	11.7	11.7	0.5	46	46	0.5
OH	8,848	7,686	1,162	0.068%	0.052%	0.172%	0.5	0.5	1.1	1	0.76	2.275	3.45	2.6	3.45	3.45	2.6	3.45
OK	5,636	4,201	1,435	2.129%	2.833%	0.070%	0.3	0.3	0.7	0.9	0.9	0.7	2.75	2.8	0.7	5	5	0.7
OR	2,324	1,682	642	0.000%	0.000%	0.000%												
RI	1,959	1,591	368	0.000%	0.000%	0.000%												
SC	4,340	3,801	539	0.323%	0.263%	0.742%	0.58	0.58	0.58	1.69	1.83	1.125	2.22	2.285	1.69	2.35	2.35	1.69
SD	889	855	34	0.112%	0.117%	0.000%	1.3	1.3		1.3	1.3		1.3	1.3		1.3	1.3	
TN	2,945	1,165	1,780	0.136%	0.258%	0.056%	0.52	0.52	0.55	0.585	0.62	0.55	0.75	0.75	0.55	0.75	0.75	0.55
TX	34,145	27,041	7,104	0.152%	0.148%	0.169%	0.5	0.5	0.5	1.05	1.3	0.85	4.1	6.65	1	8.3	8.3	1.1
UT	8,994	7,563	1,431	0.000%	0.000%	0.000%												
VA	4,931	4,058	873	0.507%	0.616%	0.000%	0.5	0.5		0.8	0.8		1.4	1.4		6.4	6.4	
VT	4,351	3,957	394	0.161%	0.177%	0.000%	0.5	0.5		0.6	0.6		1.6	1.6		1.6	1.6	
WI	11,291	11,166	125	1.081%	1.093%	0.000%	0.01	0.01		0.285	0.285		0.76	0.76		15	15	
WV	1,140	444	696	1.228%	2.477%	0.431%	0.11	0.11	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0.5	1
WY	1,609	1,123	486	0.000%	0.000%	0.000%												
Total	375,636	290,308	85,328	0.557%	0.526%	0.661%	0.005	0.01	0.005	0.9	1	0.745	3.1	3.6	2	135.8	135.8	47

Table A24b. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	1.290%	0.844%	2.740%	7.760%	9.240%	6.839%
AL	263	202	61	4,218,278	1,123,190	3,095,088	2.281%	2.970%	0.000%	3.013%	11.315%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.881%	1.047%	0.000%	0.200%	0.540%	0.000%
AZ	1,058	1,010	48	6,162,837	2,792,246	3,370,591	0.473%	0.396%	2.083%	5.004%	0.300%	8.901%
CA	3,653	3,136	517	35,828,228	13,515,767	22,312,461	0.876%	0.638%	2.321%	19.192%	2.977%	29.013%
CO	826	605	221	4,997,841	530,207	4,467,634	0.121%	0.165%	0.000%	0.001%	0.008%	0.000%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.497%	0.428%	2.564%	1.328%	0.108%	1.531%
DE	318	315	3	698,987	417,587	281,400	1.258%	0.952%	33.333%	5.308%	0.233%	12.839%
FL	1,509	1,483	26	17,495,514	15,249,472	2,246,042	0.530%	0.539%	0.000%	3.892%	4.465%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.329%	0.293%	0.862%	0.120%	0.266%	0.081%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.568%	0.587%	0.000%	0.197%	0.349%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.107%	0.114%	0.000%	0.045%	0.059%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.070%	0.075%	0.000%	0.011%	0.035%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.136%	0.070%	2.273%	7.706%	4.410%	11.360%
KY	241	92	149	4,602,392	375,363	4,227,029	3.320%	1.087%	4.698%	9.250%	0.027%	10.069%
MA	718	600	118	8,557,325	1,749,901	6,807,424	2.089%	1.167%	6.780%	3.036%	2.864%	3.080%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	1.233%	1.014%	4.412%	36.273%	0.591%	45.424%
ME	810	757	53	728,347	292,773	435,574	0.494%	0.528%	0.000%	0.194%	0.483%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.202%	0.206%	0.000%	0.146%	0.528%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	1.011%	1.031%	0.000%	1.625%	2.300%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.212%	0.224%	0.000%	0.091%	0.161%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.354%	0.381%	0.000%	0.051%	0.105%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.972%	0.987%	0.719%	0.243%	0.668%	0.103%
ND	210	183	27	562,397	257,172	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	3.502%	3.421%	9.091%	41.259%	13.289%	65.960%
NH	1,258	1,217	41	948,788	398,989	549,799	0.715%	0.740%	0.000%	2.084%	4.955%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	3.004%	2.719%	13.514%	13.719%	8.135%	16.727%
NM	727	688	39	1,698,980	1,432,432	266,548	0.550%	0.436%	2.564%	32.644%	33.643%	27.275%
NV	338	317	21	973,592	283,701	689,891	0.296%	0.315%	0.000%	0.044%	0.151%	0.000%
NY	1,525	1,289	236	4,895,654	1,045,052	3,850,602	0.656%	0.621%	0.847%	0.226%	1.030%	0.008%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.309%	0.220%	1.600%	0.194%	0.024%	0.269%
OK	730	518	212	3,123,687	664,833	2,458,854	2.877%	3.861%	0.472%	2.724%	11.827%	0.263%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.488%	0.264%	3.226%	0.275%	0.029%	0.344%
SD	245	233	12	266,416	194,218	72,198	0.408%	0.429%	0.000%	0.289%	0.396%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.570%	0.617%	0.529%	0.194%	0.359%	0.136%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.222%	0.217%	0.292%	0.197%	0.285%	0.145%
UT	500	454	46	2,553,197	1,698,877	854,320	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	1,600	1,429	171	5,273,258	630,675	4,642,583	0.563%	0.630%	0.000%	0.052%	0.438%	0.000%
VT	603	560	43	491,035	227,067	263,968	0.829%	0.893%	0.000%	1.016%	2.198%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	1.626%	1.644%	0.000%	10.736%	18.471%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.474%	4.527%	1.875%	2.193%	1.018%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,442	46,185	4,257	226,933,991	86,392,793	140,541,198	0.745%	0.686%	1.386%	6.178%	3.361%	7.909%

Table A24c. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 µg/L			Percent of Systems with At Least One Detection > 5 µg/L			Population Served by Systems with At Least One Detection > 5 µg/L			Percent of Population Served with At Least One Detection > 5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	1	1	0	0.220%	0.262%	0.000%	240	240	0	0.010%	0.026%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	5	4	1	0.137%	0.128%	0.193%	189,990	84,658	105,332	0.530%	0.626%	0.472%
CO	1	1	0	0.121%	0.165%	0.000%	40	40	0	0.001%	0.008%	0.000%
CT	2	2	0	0.166%	0.171%	0.000%	250	250	0	0.009%	0.064%	0.000%
DE	1	0	1	0.314%	0.000%	33.333%	36,130	0	36,130	5.169%	0.000%	12.839%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	1	0	1	0.139%	0.000%	0.847%	49,510	0	49,510	0.579%	0.000%	0.727%
MD	2	2	0	0.190%	0.203%	0.000%	75	75	0	0.001%	0.007%	0.000%
ME	1	1	0	0.123%	0.132%	0.000%	45	45	0	0.006%	0.015%	0.000%
MI	2	2	0	0.067%	0.069%	0.000%	396	396	0	0.006%	0.020%	0.000%
MN	1	1	0	0.063%	0.064%	0.000%	52,612	52,612	0	1.235%	1.747%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	3	0	0.127%	0.135%	0.000%	4,152	4,152	0	0.059%	0.240%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	0.259%	0.263%	0.000%	387	387	0	0.026%	0.056%	0.000%
NH	2	2	0	0.159%	0.164%	0.000%	82	82	0	0.009%	0.021%	0.000%
NJ	3	3	0	0.215%	0.220%	0.000%	83,427	83,427	0	1.077%	3.076%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	2	2	0	0.131%	0.155%	0.000%	1,735	1,735	0	0.035%	0.166%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	4	4	0	0.081%	0.087%	0.000%	18,221	18,221	0	0.073%	0.196%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.063%	0.070%	0.000%	80	80	0	0.002%	0.013%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	2	2	0	0.112%	0.113%	0.000%	840	840	0	0.021%	0.036%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	36	33	3	0.071%	0.071%	0.070%	438,212	247,240	190,972	0.193%	0.286%	0.136%



Table A24d. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	1	1	0	0.220%	0.262%	0.000%	240	240	0	0.010%	0.026%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	10	7	3	0.274%	0.223%	0.580%	4,409,379	138,080	4,271,299	12.307%	1.022%	19.143%
CO	1	1	0	0.121%	0.165%	0.000%	40	40	0	0.001%	0.008%	0.000%
CT	2	2	0	0.166%	0.171%	0.000%	250	250	0	0.009%	0.064%	0.000%
DE	1	0	1	0.314%	0.000%	33.333%	36,130	0	36,130	5.169%	0.000%	12.839%
FL	1	1	0	0.066%	0.067%	0.000%	1,400	1,400	0	0.008%	0.009%	0.000%
GA	2	1	1	0.110%	0.059%	0.862%	5,187	437	4,750	0.069%	0.027%	0.081%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	2	0	2	0.279%	0.000%	1.695%	100,344	0	100,344	1.173%	0.000%	1.474%
MD	5	5	0	0.474%	0.507%	0.000%	624	624	0	0.012%	0.061%	0.000%
ME	1	1	0	0.123%	0.132%	0.000%	45	45	0	0.006%	0.015%	0.000%
MI	3	3	0	0.101%	0.103%	0.000%	796	796	0	0.011%	0.040%	0.000%
MN	1	1	0	0.063%	0.064%	0.000%	52,612	52,612	0	1.235%	1.747%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	207	207	0	0.027%	0.057%	0.000%
NC	7	7	0	0.296%	0.314%	0.000%	4,724	4,724	0	0.068%	0.273%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	0.259%	0.263%	0.000%	387	387	0	0.026%	0.056%	0.000%
NH	2	2	0	0.159%	0.164%	0.000%	82	82	0	0.009%	0.021%	0.000%
NJ	5	5	0	0.358%	0.367%	0.000%	109,654	109,654	0	1.415%	4.042%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	2	2	0	0.131%	0.155%	0.000%	1,735	1,735	0	0.035%	0.166%	0.000%
OH	2	1	1	0.103%	0.055%	0.800%	211	125	86	0.002%	0.004%	0.001%
OK	5	5	0	0.685%	0.965%	0.000%	3,765	3,765	0	0.121%	0.566%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	7	7	0	0.141%	0.152%	0.000%	21,871	21,871	0	0.087%	0.235%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.063%	0.070%	0.000%	80	80	0	0.002%	0.013%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	2	2	0	0.112%	0.113%	0.000%	840	840	0	0.021%	0.036%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	66	58	8	0.131%	0.126%	0.188%	4,750,603	337,994	4,412,609	2.093%	0.391%	3.140%

Table A24e. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	2	1	1	0.323%	0.211%	0.685%	33,311	9,046	24,265	5.495%	3.889%	6.495%
AL	4	4	0	1.521%	1.980%	0.000%	101,319	101,319	0	2.402%	9.021%	0.000%
AR	1	1	0	0.220%	0.262%	0.000%	240	240	0	0.010%	0.026%	0.000%
AZ	2	2	0	0.189%	0.198%	0.000%	7,690	7,690	0	0.125%	0.275%	0.000%
CA	19	12	7	0.520%	0.383%	1.354%	5,136,792	247,386	4,889,406	14.337%	1.830%	21.913%
CO	1	1	0	0.121%	0.165%	0.000%	40	40	0	0.001%	0.008%	0.000%
CT	3	2	1	0.249%	0.171%	2.564%	35,983	250	35,733	1.321%	0.064%	1.531%
DE	1	0	1	0.314%	0.000%	33.333%	36,130	0	36,130	5.169%	0.000%	12.839%
FL	1	1	0	0.066%	0.067%	0.000%	1,400	1,400	0	0.008%	0.009%	0.000%
GA	5	4	1	0.274%	0.234%	0.862%	7,870	3,120	4,750	0.105%	0.196%	0.081%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	1	1	0	0.095%	0.098%	0.000%	372	372	0	0.015%	0.026%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	1	1	0	0.068%	0.070%	0.000%	113,400	113,400	0	2.318%	4.410%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	48,800	0	48,800	1.060%	0.000%	1.154%
MA	8	3	5	1.114%	0.500%	4.237%	192,347	37,968	154,379	2.248%	2.170%	2.268%
MD	9	7	2	0.854%	0.710%	2.941%	109,717	3,634	106,083	2.184%	0.354%	2.653%
ME	3	3	0	0.370%	0.396%	0.000%	1,198	1,198	0	0.164%	0.409%	0.000%
MI	4	4	0	0.135%	0.137%	0.000%	2,554	2,554	0	0.036%	0.129%	0.000%
MN	5	5	0	0.316%	0.322%	0.000%	54,141	54,141	0	1.271%	1.798%	0.000%
MO	2	2	0	0.141%	0.149%	0.000%	720	720	0	0.024%	0.043%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	207	207	0	0.027%	0.057%	0.000%
NC	13	13	0	0.549%	0.583%	0.000%	6,561	6,561	0	0.094%	0.379%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	11	11	0	1.427%	1.447%	0.000%	27,686	27,686	0	1.893%	4.038%	0.000%
NH	6	6	0	0.477%	0.493%	0.000%	19,230	19,230	0	2.027%	4.820%	0.000%
NJ	13	12	1	0.930%	0.882%	2.703%	248,452	171,795	76,657	3.206%	6.333%	1.522%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	3	3	0	0.197%	0.233%	0.000%	5,809	5,809	0	0.119%	0.556%	0.000%
OH	3	1	2	0.154%	0.055%	1.600%	19,181	125	19,056	0.188%	0.004%	0.269%
OK	11	11	0	1.507%	2.124%	0.000%	5,424	5,424	0	0.174%	0.816%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	3	2	1	0.366%	0.264%	1.613%	8,589	209	8,380	0.256%	0.029%	0.319%
SD	1	1	0	0.408%	0.429%	0.000%	770	770	0	0.289%	0.396%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	11	10	1	0.222%	0.217%	0.292%	49,470	26,470	23,000	0.197%	0.285%	0.145%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	7	7	0	0.438%	0.490%	0.000%	1,712	1,712	0	0.032%	0.271%	0.000%
VT	2	2	0	0.332%	0.357%	0.000%	4,746	4,746	0	0.967%	2.090%	0.000%
WI	5	5	0	0.280%	0.283%	0.000%	3,276	3,276	0	0.081%	0.140%	0.000%
WV	1	0	1	0.248%	0.000%	0.625%	1,800	0	1,800	0.127%	0.000%	0.153%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	164	139	25	0.325%	0.301%	0.587%	6,286,937	858,498	5,428,439	2.770%	0.994%	3.863%

Table A24f. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	5	2	3	0.806%	0.422%	2.055%	34,651	9,211	25,440	5.716%	3.960%	6.809%
AL	6	6	0	2.281%	2.970%	0.000%	127,086	127,086	0	3.013%	11.315%	0.000%
AR	1	1	0	0.220%	0.262%	0.000%	240	240	0	0.010%	0.026%	0.000%
AZ	4	4	0	0.378%	0.396%	0.000%	8,376	8,376	0	0.136%	0.300%	0.000%
CA	30	19	11	0.821%	0.606%	2.128%	6,711,489	394,381	6,317,108	18.732%	2.918%	28.312%
CO	1	1	0	0.121%	0.165%	0.000%	40	40	0	0.001%	0.008%	0.000%
CT	6	5	1	0.497%	0.428%	2.564%	36,153	420	35,733	1.328%	0.108%	1.531%
DE	4	3	1	1.258%	0.952%	33.333%	37,104	974	36,130	5.308%	0.233%	12.839%
FL	1	1	0	0.066%	0.067%	0.000%	1,400	1,400	0	0.008%	0.009%	0.000%
GA	6	5	1	0.329%	0.293%	0.862%	8,990	4,240	4,750	0.120%	0.266%	0.081%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	4	4	0	0.379%	0.391%	0.000%	1,533	1,533	0	0.060%	0.107%	0.000%
ID	1	1	0	0.107%	0.114%	0.000%	490	490	0	0.045%	0.059%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	1,059	1,059	0	0.011%	0.035%	0.000%
IN	2	1	1	0.136%	0.070%	2.273%	376,920	113,400	263,520	7.706%	4.410%	11.360%
KY	1	0	1	0.415%	0.000%	0.671%	48,800	0	48,800	1.060%	0.000%	1.154%
MA	13	6	7	1.811%	1.000%	5.932%	243,849	50,023	193,826	2.850%	2.859%	2.847%
MD	12	10	2	1.139%	1.014%	2.941%	112,146	6,063	106,083	2.232%	0.591%	2.653%
ME	3	3	0	0.370%	0.396%	0.000%	1,198	1,198	0	0.164%	0.409%	0.000%
MI	6	6	0	0.202%	0.206%	0.000%	10,436	10,436	0	0.146%	0.528%	0.000%
MN	8	8	0	0.506%	0.515%	0.000%	59,856	59,856	0	1.405%	1.988%	0.000%
MO	3	3	0	0.212%	0.224%	0.000%	2,720	2,720	0	0.091%	0.161%	0.000%
MT	3	3	0	0.354%	0.381%	0.000%	384	384	0	0.051%	0.105%	0.000%
NC	22	21	1	0.929%	0.943%	0.719%	14,730	9,292	5,438	0.210%	0.536%	0.103%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	13	13	0	1.686%	1.711%	0.000%	34,402	34,402	0	2.353%	5.017%	0.000%
NH	9	9	0	0.715%	0.740%	0.000%	19,770	19,770	0	2.084%	4.955%	0.000%
NJ	19	16	3	1.359%	1.176%	8.108%	554,311	177,114	377,197	7.154%	6.529%	7.490%
NM	2	1	1	0.275%	0.145%	2.564%	101,451	28,750	72,701	5.971%	2.007%	27.275%
NV	1	1	0	0.296%	0.315%	0.000%	427	427	0	0.044%	0.151%	0.000%
NY	4	4	0	0.262%	0.310%	0.000%	6,309	6,309	0	0.129%	0.604%	0.000%
OH	5	3	2	0.257%	0.165%	1.600%	19,506	450	19,056	0.191%	0.014%	0.269%
OK	19	18	1	2.603%	3.475%	0.472%	83,183	76,713	6,470	2.663%	11.539%	0.263%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	4	2	2	0.488%	0.264%	3.226%	9,239	209	9,030	0.275%	0.029%	0.344%
SD	1	1	0	0.408%	0.429%	0.000%	770	770	0	0.289%	0.396%	0.000%
TN	2	1	1	0.570%	0.617%	0.529%	11,004	5,254	5,750	0.194%	0.359%	0.136%
TX	11	10	1	0.222%	0.217%	0.292%	49,470	26,470	23,000	0.197%	0.285%	0.145%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	9	9	0	0.563%	0.630%	0.000%	2,762	2,762	0	0.052%	0.438%	0.000%
VT	4	4	0	0.663%	0.714%	0.000%	4,915	4,915	0	1.001%	2.165%	0.000%
WI	8	8	0	0.448%	0.454%	0.000%	212,465	212,465	0	5.260%	9.050%	0.000%
WV	1	0	1	0.248%	0.000%	0.625%	1,800	0	1,800	0.127%	0.000%	0.153%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	255	214	41	0.506%	0.463%	0.963%	8,951,434	1,399,602	7,551,832	3.945%	1.620%	5.373%

Table A25. 1,1-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 7 µg/L	46,171	24	0.052%	86,395,257	261,170	0.302%
	≥ 3.5 µg/L	46,171	52	0.113%	86,395,257	922,641	1.068%
Surface Water	> 7 µg/L	4,254	9	0.212%	140,514,407	5,451,023	3.879%
	≥ 3.5 µg/L	4,254	16	0.376%	140,514,407	6,853,605	4.878%
Combined Ground & Surface Water	> 7 µg/L	50,425	33	0.065%	226,909,664	5,712,193	2.517%
	≥ 3.5 µg/L	50,425	68	0.135%	226,909,664	7,776,246	3.427%

Table A25a. 1,1-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,100	1,963	1,137	0.032%	0.000%	0.088%	0.8		0.8	0.8		0.8	0.8		0.8		0.8	
AL	879	647	232	8.987%	10.201%	5.603%	0.5	0.5	0.5	1.33	1.685	1.01	6.8	7.1	1.63	20	20	1.67
AR	2,383	1,915	468	0.042%	0.000%	0.214%	0.12		0.12	0.12		0.12	0.12		0.12		0.12	
AZ	12,599	9,538	3,061	0.667%	0.849%	0.098%	0.31	0.31	0.5	0.76	0.8	0.5	3.4	3.4	0.5	5.4	5.4	0.5
CA	90,526	47,264	43,262	4.752%	2.272%	7.462%	0.31	0.31	0.5	2.1	1.5	2.25	9.3	21	7.94	67	64	67
CO	2,863	2,124	739	0.140%	0.094%	0.271%	0.13	0.13	0.2	0.25	0.215	0.36	0.52	0.3	0.52	0.52	0.3	0.52
CT	6,936	6,045	891	0.793%	0.562%	2.357%	0.2	0.53	0.2	1.2	2.15	0.7	4.3	7.5	1.3	15	15	1.7
DE	1,048	1,018	30	0.095%	0.098%	0.000%	0.56	0.56		0.56	0.56		0.56	0.56		0.56	0.56	
FL	4,165	4,098	67	1.273%	1.293%	0.000%	0.14	0.14		1.2	1.2		3.57	3.57		9	9	
GA	7,175	6,349	826	0.223%	0.252%	0.000%	0.52	0.52		0.685	0.685		0.74	0.74		0.78	0.78	
HI	1,791	1,688	103	0.000%	0.000%	0.000%												
IA	1,761	1,636	125	0.000%	0.000%	0.000%												
ID	3,758	3,297	461	0.027%	0.030%	0.000%	0.3	0.3		0.3	0.3		0.3	0.3		0.3	0.3	
IL	7,007	6,447	560	0.371%	0.403%	0.000%	0.37	0.37		0.8	0.8		2.38	2.38		3.92	3.92	
IN	4,620	4,311	309	0.065%	0.070%	0.000%	0.6	0.6		0.6	0.6		0.99	0.99		0.99	0.99	
KY	3,308	1,124	2,184	0.121%	0.000%	0.183%	0.5		0.5	0.5		0.5	1		1	1		1
MA	16,249	12,259	3,990	0.831%	0.653%	1.378%	0.4	0.4	0.5	1.2	1.05	1.6	6	5.25	13	18	15	18
MD	6,773	5,511	1,262	0.664%	0.581%	1.030%	0.5	0.5	0.6	0.8	0.8	0.9	1.8	1	1.8	3.8	3.8	3.8
ME	3,698	3,383	315	0.135%	0.148%	0.000%	0.5	0.5		6.1	6.1		8	8		8	8	
MI	10,752	9,742	1,010	0.009%	0.010%	0.000%	0.7	0.7		0.7	0.7		0.7	0.7		0.7	0.7	
MN	8,582	7,333	1,249	0.245%	0.286%	0.000%	0.5	0.5		0.7	0.7		1.1	1.1		1.9	1.9	
MO	7,544	6,695	849	0.133%	0.149%	0.000%	0.52	0.52		0.72	0.72		1.465	1.465		1.7	1.7	
MT	4,492	3,953	539	0.067%	0.076%	0.000%	0.65	0.65		1.6	1.6		2.3	2.3		2.3	2.3	
NC	19,067	17,487	1,580	0.850%	0.921%	0.063%	0.5	0.5	5.4	1.2	1.2	5.4	5.4	5	5.4	214	214	5.4
ND	552	417	135	0.000%	0.000%	0.000%												
NE	6,844	6,265	579	0.628%	0.686%	0.000%	0.12	0.12		0.86	0.86		3.2	3.2		13	13	
NH	9,590	9,112	478	0.469%	0.428%	1.255%	0.5	0.5	1	1.6	1.4	2.35	3.1	3.3	3.1	6.09	6.09	3.1
NJ	20,354	18,566	1,788	0.889%	0.899%	0.783%	0.2	0.2	0.5	0.74	0.8	0.6	2.1	2.17	1.1	23.16	23.16	1.7
NM	6,578	6,102	476	0.517%	0.557%	0.000%	0.2	0.2		0.5	0.5		1.12	1.12		1.532	1.532	
NV	3,192	2,570	622	0.407%	0.506%	0.000%	0.5	0.5		0.81	0.81		1.03	1.03		5.88	5.88	
NY	7,069	5,404	1,665	0.481%	0.574%	0.180%	0.5	0.5	0.5	3.55	5.4	0.5	8.9	8.9	1.2	12	12	1.2
OH	8,808	7,672	1,136	0.045%	0.039%	0.088%	0.6	0.6	0.97	0.835	0.7	0.97	2.44	2.44	0.97	2.44	2.44	0.97
OK	5,636	4,201	1,435	0.497%	0.643%	0.070%	0.49	0.49	0.5	0.675	0.7	0.5	1.1	1.1	0.5	2	2	0.5
OR	2,327	1,684	643	0.473%	0.653%	0.000%	0.5	0.5		0.8	0.8		1	1		1.1	1.1	
RI	1,959	1,591	368	1.225%	1.508%	0.000%	0.5	0.5		0.84	0.84		1.5	1.5		3	3	
SC	4,343	3,804	539	0.806%	0.920%	0.000%	0.5	0.5		1.23	1.23		3.71	3.71		10.9	10.9	
SD	889	855	34	0.000%	0.000%	0.000%												
TN	2,946	1,166	1,780	0.407%	1.029%	0.000%	0.7	0.7		1.4	1.4		4.9	4.9		5	5	
TX	34,148	27,044	7,104	0.143%	0.181%	0.000%	0.6	0.6		2.1	2.1		8.1	8.1		10	10	
UT	8,991	7,560	1,431	0.145%	0.172%	0.000%	0.5	0.5		0.6	0.6		2.3	2.3		2.3	2.3	
VA	4,895	4,028	867	1.021%	1.241%	0.000%	0.5	0.5		1	1		4.85	4.85		6.6	6.6	
VT	4,344	3,953	391	0.552%	0.607%	0.000%	0.6	0.6		1.8	1.8		2	2		3	3	
WI	11,292	11,167	125	0.708%	0.716%	0.000%	0.054	0.054		0.602	0.602		7.9	7.9		13	13	
WV	1,138	443	695	1.582%	2.483%	1.007%	0.08	0.08	0.3	0.5	0.5	1	1.1	0.5	1.2	1.2	0.9	1.2
WY	1,659	1,156	503	0.000%	0.000%	0.000%												
Total	378,630	290,587	88,043	1.508%	0.804%	3.832%	0.054	0.054	0.12	1.7	1.1	2.145	8	8.4	7.9	214	214	67

Table A25b. 1,1-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.161%	0.000%	0.685%	0.004%	0.000%	0.007%
AL	263	202	61	4,218,278	1,123,190	3,095,088	3.042%	2.970%	3.279%	7.889%	5.885%	8.616%
AR	454	382	72	2,453,348	910,322	1,543,026	0.220%	0.000%	1.389%	0.594%	0.000%	0.944%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.472%	0.396%	2.083%	5.828%	2.125%	8.901%
CA	3,649	3,134	515	35,802,195	13,515,377	22,286,818	1.809%	1.436%	4.078%	25.966%	12.796%	33.952%
CO	826	605	221	4,997,841	530,207	4,467,634	0.484%	0.331%	0.905%	0.084%	0.739%	0.006%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	1.077%	0.942%	5.128%	3.317%	0.891%	3.722%
DE	318	315	3	698,987	417,587	281,400	0.314%	0.317%	0.000%	0.020%	0.034%	0.000%
FL	1,510	1,484	26	17,497,764	15,251,722	2,246,042	0.728%	0.741%	0.000%	3.713%	4.260%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.110%	0.117%	0.000%	0.014%	0.064%	0.000%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.107%	0.114%	0.000%	0.073%	0.096%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.140%	0.151%	0.000%	1.689%	5.161%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.204%	0.210%	0.000%	1.192%	2.267%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	1.660%	0.000%	2.685%	2.376%	0.000%	2.587%
MA	718	600	118	8,557,325	1,749,901	6,807,424	2.089%	2.167%	1.695%	1.763%	7.102%	0.390%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.474%	0.406%	1.471%	0.277%	0.968%	0.100%
ME	810	757	53	728,347	292,773	435,574	0.370%	0.396%	0.000%	0.058%	0.145%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.034%	0.034%	0.000%	0.001%	0.002%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.253%	0.258%	0.000%	1.757%	2.487%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.141%	0.149%	0.000%	0.068%	0.120%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.118%	0.127%	0.000%	0.013%	0.026%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	1.352%	1.391%	0.719%	0.861%	2.040%	0.472%
ND	210	183	27	562,397	257,172	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	1.167%	1.184%	0.000%	6.397%	13.640%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	1.113%	1.068%	2.439%	1.436%	0.281%	2.274%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	3.433%	3.306%	8.108%	11.276%	8.391%	12.829%
NM	727	688	39	1,698,980	1,432,432	266,548	0.825%	0.872%	0.000%	28.983%	34.376%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.888%	0.946%	0.000%	0.057%	0.195%	0.000%
NY	1,520	1,284	236	4,894,535	1,043,933	3,850,602	0.592%	0.467%	1.271%	5.876%	1.566%	7.045%
OH	1,943	1,818	125	10,227,535	3,132,598	7,094,937	0.154%	0.110%	0.800%	0.003%	0.003%	0.003%
OK	730	518	212	3,123,687	664,833	2,458,854	0.959%	1.158%	0.472%	2.565%	0.834%	3.033%
OR	1,098	946	152	2,940,189	574,759	2,365,430	0.182%	0.211%	0.000%	1.039%	5.316%	0.000%
RI	145	136	9	913,884	173,906	739,978	2.069%	2.206%	0.000%	0.537%	2.823%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	1.099%	1.189%	0.000%	0.271%	1.242%	0.000%
SD	245	233	12	266,416	194,218	72,198	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.570%	1.235%	0.000%	0.120%	0.466%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.162%	0.174%	0.000%	0.016%	0.042%	0.000%
UT	500	454	46	2,553,197	1,698,877	854,320	0.200%	0.220%	0.000%	0.051%	0.077%	0.000%
VA	1,590	1,420	170	5,269,789	628,354	4,641,435	0.503%	0.563%	0.000%	0.024%	0.200%	0.000%
VT	603	560	43	491,035	227,067	263,968	0.663%	0.714%	0.000%	0.062%	0.133%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	0.673%	0.680%	0.000%	2.965%	5.102%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.474%	4.527%	1.875%	2.260%	1.418%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,425	46,171	4,254	226,909,664	86,395,257	140,514,407	0.688%	0.643%	1.175%	5.917%	4.623%	6.713%

Table A25c. 1,1-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 7 µg/L			Percent of Systems with At Least One Detection > 7 µg/L			Population Served by Systems with At Least One Detection > 7 µg/L			Percent of Population Served with At Least One Detection > 7 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	2	2	0	0.760%	0.990%	0.000%	16,437	16,437	0	0.390%	1.463%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	12	4	8	0.329%	0.128%	1.553%	5,568,022	140,423	5,427,599	15.552%	1.039%	24.353%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	2	2	0	0.166%	0.171%	0.000%	60	60	0	0.002%	0.015%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.066%	0.067%	0.000%	2,250	2,250	0	0.013%	0.015%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	3	2	1	0.418%	0.333%	0.847%	51,664	28,240	23,424	0.604%	1.614%	0.344%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	1	1	0	0.123%	0.132%	0.000%	150	150	0	0.021%	0.051%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	4	4	0	0.169%	0.180%	0.000%	3,837	3,837	0	0.055%	0.221%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	1	1	0	0.130%	0.132%	0.000%	40,311	40,311	0	2.757%	5.879%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	2	2	0	0.143%	0.147%	0.000%	151	151	0	0.002%	0.006%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	13,500	13,500	0	0.276%	1.293%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	1	0	0.122%	0.132%	0.000%	111	111	0	0.003%	0.015%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	2	2	0	0.040%	0.043%	0.000%	2,390	2,390	0	0.010%	0.026%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.056%	0.057%	0.000%	13,310	13,310	0	0.329%	0.567%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	33	24	9	0.065%	0.052%	0.212%	5,712,193	261,170	5,451,023	2.517%	0.302%	3.879%

Table A25d. 1,1-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 3.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 3.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 3.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 3.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	2	2	0	0.760%	0.990%	0.000%	16,437	16,437	0	0.390%	1.463%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	350	350	0	0.006%	0.013%	0.000%
CA	22	9	13	0.603%	0.287%	2.524%	7,118,411	317,104	6,801,307	19.883%	2.346%	30.517%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	3	3	0	0.249%	0.257%	0.000%	90	90	0	0.003%	0.023%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	2	2	0	0.132%	0.135%	0.000%	317,766	317,766	0	1.816%	2.083%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	155,650	155,650	0	1.689%	5.159%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	3	2	1	0.418%	0.333%	0.847%	51,664	28,240	23,424	0.604%	1.614%	0.344%
MD	2	1	1	0.190%	0.101%	1.471%	10,200	6,200	4,000	0.203%	0.605%	0.100%
ME	1	1	0	0.123%	0.132%	0.000%	150	150	0	0.021%	0.051%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	9	8	1	0.380%	0.359%	0.719%	31,405	6,531	24,874	0.449%	0.377%	0.472%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	0.259%	0.263%	0.000%	40,911	40,911	0	2.798%	5.966%	0.000%
NH	2	2	0	0.159%	0.164%	0.000%	90	90	0	0.009%	0.023%	0.000%
NJ	4	4	0	0.286%	0.294%	0.000%	1,191	1,191	0	0.015%	0.044%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	1	0	0.296%	0.315%	0.000%	427	427	0	0.044%	0.151%	0.000%
NY	2	2	0	0.132%	0.156%	0.000%	13,550	13,550	0	0.277%	1.298%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	2	2	0	0.244%	0.264%	0.000%	166	166	0	0.005%	0.023%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	1	0	0.285%	0.617%	0.000%	1,519	1,519	0	0.027%	0.104%	0.000%
TX	4	4	0	0.081%	0.087%	0.000%	2,461	2,461	0	0.010%	0.026%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	3	3	0	0.189%	0.211%	0.000%	498	498	0	0.009%	0.079%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.056%	0.057%	0.000%	13,310	13,310	0	0.329%	0.567%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	68	52	16	0.135%	0.113%	0.376%	7,776,246	922,641	6,853,605	3.427%	1.068%	4.878%



Table A26. cis-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 70 µg/L	46,072	3	0.007%	85,155,955	37,997	0.045%
	≥ 35 µg/L	46,072	10	0.022%	85,155,955	218,371	0.256%
Surface Water	> 70 µg/L	4,242	2	0.047%	140,459,779	128,756	0.092%
	≥ 35 µg/L	4,242	3	0.071%	140,459,779	328,756	0.234%
Combined Ground & Surface Water	> 70 µg/L	50,314	5	0.010%	225,615,734	166,753	0.074%
	≥ 35 µg/L	50,314	13	0.026%	225,615,734	547,127	0.243%

Table A26a. cis-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,107	1,969	1,138	0.064%	0.102%	0.000%	0.57	0.57		0.605	0.605		0.64	0.64		0.64	0.64	
AL	894	628	266	9.843%	5.892%	19.173%	0.23	0.23	0.5	0.8	0.8	0.7	4.5	1.3	4.66	14.1	2.6	14.1
AR	2,394	1,926	468	0.668%	0.831%	0.000%	0.18	0.18		0.52	0.52		0.9	0.9		0.95	0.95	
AZ	11,710	9,530	2,180	0.999%	1.196%	0.138%	0.5	0.5	0.5	2	2	0.5	3.2	3.2	0.5	4.4	4.4	0.5
CA	87,763	45,927	41,836	3.989%	3.244%	4.807%	0.21	0.21	0.4	1	0.9	1.3	4.2	3.4	4.53	160	33.2	160
CO	2,871	2,132	739	0.348%	0.422%	0.135%	1.1	6.3	1.1	9.05	10	1.1	12	12	1.1	12	12	1.1
CT	6,936	6,045	891	1.312%	1.175%	2.245%	0.3	0.51	0.3	1.5	3.1	0.8	8.4	9.8	1.8	39	39	2
DE	1,053	1,023	30	0.760%	0.782%	0.000%	0.85	0.85		0.91	0.91		1.12	1.12		1.12	1.12	
FL	4,160	4,092	68	4.663%	4.741%	0.000%	0.09	0.09		0.685	0.685		8.1	8.1		29	29	
GA	7,174	6,347	827	0.251%	0.047%	1.814%	0.5	0.51	0.5	1	0.56	1.1	1.6	0.57	1.6	1.8	0.57	1.8
HI																		
IA	1,812	1,671	141	2.373%	2.095%	5.674%	0.5	0.5	0.5	1.3	1.4	1.2	2	2.2	1.4	6.2	6.2	1.4
ID	3,764	3,303	461	0.478%	0.545%	0.000%	0.1	0.1		0.9	0.9		1.2	1.2		1.5	1.5	
IL	7,045	6,485	560	3.520%	3.824%	0.000%	0.5	0.5		1.64	1.64		7.3	7.3		21	21	
IN	4,621	4,311	310	0.887%	0.719%	3.226%	0.5	0.6	0.5	1.2	1.6	0.595	8.7	10	1.15	13.3	13.3	1.2
KY	3,309	1,126	2,183	0.272%	0.000%	0.412%	0.008		0.008	0.5		0.5	1		1	1		1
MA	16,249	12,259	3,990	1.988%	1.158%	4.536%	0.5	0.5	0.5	2.2	1.4	3.2	29	50	13	151	151	108
MD	6,770	5,510	1,260	0.665%	0.799%	0.079%	0.8	0.8	1.6	3.4	3.45	1.6	8.8	8.8	1.6	10.6	10.6	1.6
ME	3,688	3,373	315	0.027%	0.030%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
MI	10,750	9,740	1,010	3.163%	3.460%	0.297%	0.4	0.4	0.4	1.2	1.3	0.4	4.5	4.5	0.4	46.2	46.2	0.4
MN	8,590	7,341	1,249	1.467%	1.689%	0.160%	0.2	0.2	0.4	0.9	0.9	0.4	5.5	5.5	0.4	24	24	0.4
MO	7,544	6,695	849	0.557%	0.627%	0.000%	0.5	0.5		1.085	1.085		1.45	1.45		1.6	1.6	
MT	4,491	3,951	540	0.134%	0.152%	0.000%	1.5	1.5		2.35	2.35		3.7	3.7		3.7	3.7	
NC	19,067	17,487	1,580	0.645%	0.703%	0.000%	0.5	0.5		1.3	1.3		7.88	7.88		70	70	
ND	558	417	141	1.971%	0.719%	5.674%	0.5	0.5	1.33	1.53	1.03	1.86	2.09	1.12	2.86	2.86	1.12	2.86
NE	6,841	6,265	576	0.599%	0.654%	0.000%	0.1	0.1		0.7	0.7		3	3		8.5	8.5	
NH	9,602	9,124	478	1.208%	1.260%	0.209%	0.05	0.05	1.4	1.65	1.7	1.4	7.6	7.6	1.4	31	31	1.4
NJ	20,341	18,553	1,788	1.863%	1.692%	3.635%	0.1	0.1	0.2	1	1	0.96	4.85	5.67	1.4	61	61	2.3
NM	6,577	6,101	476	0.334%	0.361%	0.000%	0.1	0.1		0.185	0.185		0.3	0.3		0.4	0.4	
NV	3,208	2,576	632	0.000%	0.000%	0.000%												
NY	7,066	5,400	1,666	2.038%	1.315%	4.382%	0.3	0.3	0.5	1.25	1.2	1.3	2.9	2.3	3.2	20	20	4.3
OH	8,853	7,692	1,161	2.869%	1.859%	9.561%	0.25	0.5	0.25	0.67	1.2	0.45	2.3	3.2	0.63	15	15	0.8
OK	5,637	4,201	1,436	0.781%	1.047%	0.000%	0.5	0.5		0.9	0.9		1.5	1.5		4.24	4.24	
OR	2,324	1,682	642	0.516%	0.713%	0.000%	0.5	0.5		0.65	0.65		1	1		3.1	3.1	
RI	1,959	1,591	368	0.715%	0.880%	0.000%	0.6	0.6		1	1		1.6	1.6		4.7	4.7	
SC	4,345	3,805	540	0.207%	0.237%	0.000%	0.62	0.62		0.7	0.7		2.28	2.28		2.28	2.28	
SD	889	855	34	0.225%	0.234%	0.000%	0.52	0.52		0.53	0.53		0.54	0.54		0.54	0.54	
TN	2,946	1,166	1,780	0.441%	1.115%	0.000%	0.6	0.6		0.93	0.93		1.7	1.7		1.8	1.8	
TX	34,144	27,040	7,104	0.070%	0.067%	0.084%	0.5	0.5	1.1	1	0.9	1.35	1.7	1.7	1.9	120	120	1.9
UT	8,987	7,556	1,431	0.000%	0.000%	0.000%												
VA	4,892	4,024	868	0.899%	0.646%	2.074%	0.5	0.5	1	1.4	0.855	4.75	7.1	2.8	10	11	3.2	11
VT	4,342	3,951	391	0.645%	0.709%	0.000%	0.8	0.8		1.85	1.85		2.6	2.6		5.3	5.3	
WI	11,293	11,168	125	3.090%	3.125%	0.000%	0.01	0.01		1.6	1.6		11	11		220	220	
WV	1,141	445	696	2.366%	2.921%	2.011%	0.24	0.24	0.5	0.5	0.5	12.75	21.6	0.5	28.4	32.5	0.8	32.5
WY	1,609	1,123	486	0.000%	0.000%	0.000%												
Total	373,316	287,606	85,710	1.860%	1.506%	3.046%	0.008	0.01	0.008	1.1	1	1.2	5	5	5	220	220	160

Table A26b. cis-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.161%	0.211%	0.000%	1.492%	3.889%	0.000%
AL	263	202	61	4,218,278	1,123,190	3,095,088	1.901%	0.990%	4.918%	8.244%	1.576%	10.664%
AR	454	382	72	2,453,348	910,322	1,543,026	0.441%	0.524%	0.000%	0.834%	2.248%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.378%	0.297%	2.083%	5.576%	1.569%	8.901%
CA	3,645	3,130	515	35,801,891	13,515,073	22,286,818	1.646%	1.374%	3.301%	24.947%	10.261%	33.853%
CO	826	605	221	4,997,841	530,207	4,467,634	0.242%	0.165%	0.452%	0.005%	0.015%	0.004%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	1.408%	1.284%	5.128%	2.997%	1.444%	3.256%
DE	318	315	3	698,987	417,587	281,400	0.943%	0.952%	0.000%	1.324%	2.217%	0.000%
FL	1,510	1,484	26	17,497,764	15,251,722	2,246,042	1.854%	1.887%	0.000%	8.931%	10.246%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.165%	0.059%	1.724%	1.194%	0.016%	1.513%
HI												
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.947%	0.782%	6.061%	14.475%	10.859%	19.155%
ID	935	878	57	1,093,666	837,604	256,062	0.321%	0.342%	0.000%	0.856%	1.118%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	1.400%	1.509%	0.000%	3.784%	11.561%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	1.018%	0.909%	4.545%	25.234%	13.988%	37.700%
KY	241	92	149	4,602,392	375,363	4,227,029	3.320%	0.000%	5.369%	8.306%	0.000%	9.044%
MA	718	600	118	8,557,325	1,749,901	6,807,424	3.064%	2.667%	5.085%	4.220%	12.827%	2.008%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.759%	0.710%	1.471%	0.530%	2.003%	0.153%
ME	810	757	53	728,347	292,773	435,574	0.123%	0.132%	0.000%	0.030%	0.073%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.606%	0.584%	1.639%	5.197%	17.349%	0.557%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	1.391%	1.289%	6.667%	8.102%	11.062%	0.968%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.353%	0.373%	0.000%	1.430%	2.543%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.118%	0.127%	0.000%	0.027%	0.057%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.845%	0.898%	0.000%	0.193%	0.778%	0.000%
ND	210	183	27	562,397	257,172	305,225	0.952%	0.546%	3.704%	1.919%	1.543%	2.236%
NE	771	760	11	1,462,181	685,701	776,480	0.908%	0.921%	0.000%	4.521%	9.641%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	1.351%	1.315%	2.439%	5.332%	5.661%	5.093%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	4.649%	4.409%	13.514%	21.630%	19.964%	22.527%
NM	727	688	39	1,698,980	1,432,432	266,548	0.413%	0.436%	0.000%	27.250%	32.320%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,520	1,284	236	4,894,535	1,043,933	3,850,602	1.118%	1.090%	1.271%	7.137%	7.479%	7.045%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	1.080%	1.100%	0.800%	3.537%	4.669%	3.038%
OK	730	518	212	3,123,687	664,833	2,458,854	0.548%	0.772%	0.000%	0.260%	1.221%	0.000%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.456%	0.529%	0.000%	0.017%	0.088%	0.000%
RI	145	136	9	913,884	173,906	739,978	1.379%	1.471%	0.000%	0.143%	0.753%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.366%	0.396%	0.000%	0.155%	0.708%	0.000%
SD	245	233	12	266,416	194,218	72,198	0.408%	0.429%	0.000%	0.724%	0.994%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.285%	0.617%	0.000%	0.063%	0.247%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.121%	0.108%	0.292%	2.760%	0.053%	4.352%
UT	500	454	46	2,553,197	1,698,877	854,320	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	1,589	1,419	170	5,269,916	628,481	4,641,435	0.441%	0.423%	0.588%	0.153%	0.284%	0.136%
VT	603	560	43	491,035	227,067	263,968	0.332%	0.357%	0.000%	0.967%	2.090%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	1.570%	1.587%	0.000%	9.779%	16.825%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.970%	5.350%	1.875%	2.726%	4.193%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,314	46,072	4,242	225,615,734	85,155,955	140,459,779	0.964%	0.914%	1.509%	8.438%	7.828%	8.808%

Table A26c. cis-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 70 µg/L			Percent of Systems with At Least One Detection > 70 µg/L			Population Served by Systems with At Least One Detection > 70 µg/L			Percent of Population Served with At Least One Detection > 70 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	0	1	0.027%	0.000%	0.194%	105,332	0	105,332	0.294%	0.000%	0.473%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	2	1	1	0.279%	0.167%	0.847%	32,359	8,935	23,424	0.378%	0.511%	0.344%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	1	0	0.020%	0.022%	0.000%	119	119	0	0.000%	0.001%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.056%	0.057%	0.000%	28,943	28,943	0	0.716%	1.233%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	5	3	2	0.010%	0.007%	0.047%	166,753	37,997	128,756	0.074%	0.045%	0.092%

Table A26d. cis-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 35 µg/L			Percent of Systems with At Least One Detection ≥ 35 µg/L			Population Served by Systems with At Least One Detection ≥ 35 µg/L			Percent of Population Served with At Least One Detection ≥ 35 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	2	0	2	0.055%	0.000%	0.388%	305,332	0	305,332	0.853%	0.000%	1.370%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	2	2	0	0.166%	0.171%	0.000%	280	280	0	0.010%	0.072%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	2	1	1	0.279%	0.167%	0.847%	32,359	8,935	23,424	0.378%	0.511%	0.344%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	2	2	0	0.067%	0.069%	0.000%	177,923	177,923	0	2.486%	8.996%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	2	2	0	0.084%	0.090%	0.000%	2,131	2,131	0	0.030%	0.123%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	1	1	0	0.072%	0.073%	0.000%	40	40	0	0.001%	0.001%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	1	0	0.020%	0.022%	0.000%	119	119	0	0.000%	0.001%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.056%	0.057%	0.000%	28,943	28,943	0	0.716%	1.233%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	13	10	3	0.026%	0.022%	0.071%	547,127	218,371	328,756	0.243%	0.256%	0.234%

Table A27. trans-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 100 µg/L	46,078	0	0.000%	85,155,343	0	0.000%
	≥ 50 µg/L	46,078	0	0.000%	85,155,343	0	0.000%
Surface Water	> 100 µg/L	4,241	0	0.000%	140,455,794	0	0.000%
	≥ 50 µg/L	4,241	0	0.000%	140,455,794	0	0.000%
Combined Ground & Surface Water	> 100 µg/L	50,319	0	0.000%	225,611,137	0	0.000%
	≥ 50 µg/L	50,319	0	0.000%	225,611,137	0	0.000%

Table A27a. trans-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,108	1,970	1,138	0.032%	0.051%	0.000%	1.04	1.04		1.04	1.04		1.04	1.04		1.04	1.04	
AL	820	596	224	0.000%	0.000%	0.000%												
AR	2,393	1,926	467	0.000%	0.000%	0.000%												
AZ	11,685	9,519	2,166	0.051%	0.032%	0.139%	0.5	2.2	0.5	1.35	2.7	0.5	3.2	3.2	0.5	3.2	3.2	0.5
CA	85,900	45,408	40,492	0.290%	0.044%	0.566%	0.51	0.51	0.6	1.2	0.79	1.2	6.9	1.1	7	17	1.9	17
CO	2,866	2,127	739	0.035%	0.047%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
CT	6,935	6,044	891	0.043%	0.050%	0.000%	0.51	0.51		0.69	0.69		0.8	0.8		0.8	0.8	
DE	1,047	1,017	30	0.000%	0.000%	0.000%												
FL	4,153	4,085	68	0.144%	0.147%	0.000%	0.13	0.13		0.38	0.38		1.6	1.6		1.6	1.6	
GA	7,174	6,347	827	0.000%	0.000%	0.000%												
HI																		
IA	1,763	1,638	125	0.000%	0.000%	0.000%												
ID	3,766	3,305	461	0.053%	0.061%	0.000%	0.6	0.6		0.8	0.8		1	1		1	1	
IL	6,988	6,428	560	0.057%	0.062%	0.000%	0.51	0.51		1.5	1.5		8.6	8.6		8.6	8.6	
IN	4,621	4,311	310	0.043%	0.046%	0.000%	0.5	0.5		1.05	1.05		1.6	1.6		1.6	1.6	
KY	3,309	1,126	2,183	0.151%	0.000%	0.229%	0.5		0.5	0.5	0.5		1		1	1		1
MA	16,249	12,259	3,990	0.105%	0.090%	0.150%	0.52	0.6	0.52	0.82	0.9	0.735	1.4	1.4	1	1.6	1.6	1
MD	6,772	5,511	1,261	0.015%	0.018%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
ME	3,689	3,374	315	0.027%	0.030%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
MI	10,751	9,741	1,010	0.205%	0.226%	0.000%	0.4	0.4		0.6	0.6		1.3	1.3		1.5	1.5	
MN	8,581	7,332	1,249	0.711%	0.832%	0.000%	0.1	0.1		0.3	0.3		1	1		2	2	
MO	7,544	6,695	849	0.000%	0.000%	0.000%												
MT	4,486	3,948	538	0.000%	0.000%	0.000%												
NC	19,066	17,486	1,580	0.005%	0.000%	0.063%	6.2		6.2	6.2		6.2	6.2		6.2	6.2		6.2
ND	552	417	135	0.000%	0.000%	0.000%												
NE	6,838	6,262	576	0.132%	0.144%	0.000%	0.27	0.27		0.63	0.63		0.68	0.68		0.68	0.68	
NH	9,586	9,108	478	0.261%	0.274%	0.000%	0.26	0.26		1.1	1.1		4.7	4.7		24	24	
NJ	20,358	18,570	1,788	0.044%	0.048%	0.000%	0.19	0.19		0.5	0.5		1	1		1	1	
NM	6,575	6,100	475	0.000%	0.000%	0.000%												
NV	3,207	2,575	632	0.000%	0.000%	0.000%												
NY	7,062	5,397	1,665	0.127%	0.074%	0.300%	0.5	0.5	0.5	0.5	0.5	0.6	11.2	11.2	1.3	11.2	11.2	1.3
OH	8,853	7,691	1,162	0.045%	0.052%	0.000%	0.5	0.5		0.59	0.59		1.7	1.7		1.7	1.7	
OK	5,635	4,200	1,435	0.000%	0.000%	0.000%												
OR	2,324	1,682	642	0.086%	0.119%	0.000%	0.8	0.8		3.15	3.15		5.5	5.5		5.5	5.5	
RI	1,959	1,591	368	0.000%	0.000%	0.000%												
SC	4,345	3,805	540	0.000%	0.000%	0.000%												
SD	889	855	34	0.000%	0.000%	0.000%												
TN	2,946	1,166	1,780	0.000%	0.000%	0.000%												
TX	34,144	27,040	7,104	0.003%	0.004%	0.000%	1.1	1.1		1.1	1.1		1.1	1.1		1.1	1.1	
UT	8,991	7,560	1,431	0.000%	0.000%	0.000%												
VA	4,892	4,024	868	0.041%	0.050%	0.000%	1.4	1.4		2.45	2.45		3.5	3.5		3.5	3.5	
VT	4,345	3,954	391	0.023%	0.025%	0.000%	0.98	0.98		0.98	0.98		0.98	0.98		0.98	0.98	
WI	11,292	11,167	125	0.425%	0.430%	0.000%	0.02	0.02		0.305	0.305		0.7	0.7		2.2	2.2	
WV	1,140	444	696	1.316%	2.477%	0.575%	0.18	0.18	0.2	0.5	0.5	0.5	0.5	0.5	1	1	0.5	1
WY	1,659	1,156	503	0.000%	0.000%	0.000%												
Total	371,258	286,957	84,301	0.137%	0.089%	0.300%	0.02	0.02	0.2	1	0.6	1.2	6.1	1.5	6.9	24	24	17

Table A27b. trans-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.161%	0.211%	0.000%	0.027%	0.071%	0.000%
AL	263	202	61	4,218,278	1,123,190	3,095,088	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.189%	0.099%	2.083%	5.569%	1.553%	8.901%
CA	3,653	3,138	515	35,803,379	13,516,561	22,286,818	0.192%	0.159%	0.388%	1.693%	2.225%	1.370%
CO	826	605	221	4,997,841	530,207	4,467,634	0.121%	0.165%	0.000%	0.005%	0.047%	0.000%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.166%	0.171%	0.000%	0.020%	0.138%	0.000%
DE	318	315	3	698,987	417,587	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,510	1,484	26	17,497,764	15,251,722	2,246,042	0.397%	0.404%	0.000%	2.243%	2.573%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.107%	0.114%	0.000%	0.960%	1.254%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.140%	0.151%	0.000%	2.135%	6.524%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.136%	0.140%	0.000%	1.598%	3.039%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	2.075%	0.000%	3.356%	2.420%	0.000%	2.635%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.418%	0.333%	0.847%	0.380%	0.522%	0.344%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.095%	0.101%	0.000%	0.007%	0.035%	0.000%
ME	810	757	53	728,347	292,773	435,574	0.123%	0.132%	0.000%	0.030%	0.073%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.101%	0.103%	0.000%	2.574%	9.314%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.442%	0.451%	0.000%	3.645%	5.158%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.042%	0.000%	0.719%	6.167%	0.000%	8.196%
ND	210	183	27	562,397	257,172	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.130%	0.132%	0.000%	1.441%	3.073%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	0.397%	0.411%	0.000%	0.044%	0.105%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	0.429%	0.441%	0.000%	1.447%	4.133%	0.000%
NM	727	688	39	1,698,980	1,432,432	266,548	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,518	1,283	235	4,888,900	1,042,283	3,846,617	0.461%	0.312%	1.277%	5.638%	0.421%	7.052%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.206%	0.220%	0.000%	0.098%	0.320%	0.000%
OK	730	518	212	3,123,687	664,833	2,458,854	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.182%	0.212%	0.000%	1.038%	5.312%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	245	233	12	266,416	194,218	72,198	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.020%	0.022%	0.000%	0.000%	0.001%	0.000%
UT	500	454	46	2,553,197	1,698,877	854,320	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	1,588	1,418	170	5,269,466	628,031	4,641,435	0.126%	0.141%	0.000%	0.003%	0.023%	0.000%
VT	603	560	43	491,035	227,067	263,968	0.166%	0.179%	0.000%	0.018%	0.040%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	0.392%	0.397%	0.000%	1.766%	3.039%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.474%	4.527%	1.875%	2.193%	1.018%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,319	46,078	4,241	225,611,137	85,155,343	140,455,794	0.189%	0.171%	0.377%	1.372%	1.908%	1.048%



Table A27c. trans-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Table A27c. trans-1,2-Dichloroethylene – Summary of Stage 1 (Peak) Analyses of Any Detections > 100 µg/L (Single detections > 100 µg/L are not necessarily MCL violations)												
State	Number of Systems with At Least One Detection > 100 µg/L			Percent of Systems with At Least One Detection > 100 µg/L			Population Served by Systems with At Least One Detection > 100 µg/L			Percent of Population Served with At Least One Detection > 100 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A27d. trans-1,2-Dichloroethylene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Table A27d. trans-1,2-Dichloroethylene – Summary of Stage 1 (Peak) Analyses of Any Detections ≥ 50 µg/L (Single detections ≥ 50 µg/L are not necessarily MCL violations)												
State	Number of Systems with At Least One Detection ≥ 50 µg/L			Percent of Systems with At Least One Detection ≥ 50 µg/L			Population Served by Systems with At Least One Detection ≥ 50 µg/L			Percent of Population Served with At Least One Detection ≥ 50 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 µg/L	45,918	125	0.272%	86,307,048	426,870	0.495%
	≥ 2.5 µg/L	45,918	319	0.695%	86,307,048	1,996,422	2.313%
	≥ 1 µg/L	45,918	783	1.705%	86,307,048	4,262,402	4.939%
	> 0.5 µg/L	45,918	1,319	2.873%	86,307,048	6,991,178	8.100%
Surface Water	> 5 µg/L	4,251	22	0.518%	140,537,012	2,516,579	1.791%
	≥ 2.5 µg/L	4,251	79	1.858%	140,537,012	6,112,617	4.349%
	≥ 1 µg/L	4,251	193	4.540%	140,537,012	11,712,322	8.334%
	> 0.5 µg/L	4,251	313	7.363%	140,537,012	25,538,096	18.172%
Combined Ground & Surface Water	> 5 µg/L	50,169	147	0.293%	226,844,060	2,943,449	1.298%
	≥ 2.5 µg/L	50,169	398	0.793%	226,844,060	8,109,039	3.575%
	≥ 1 µg/L	50,169	976	1.945%	226,844,060	15,974,724	7.042%
	> 0.5 µg/L	50,169	1,632	3.253%	226,844,060	32,529,274	14.340%

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,107	1,969	1,138	4.313%	2.692%	7.118%	0.0041	0.0041	0.22	0.955	0.93	0.97	3.5	3.1	3.8	88	88	8.1
AL	868	621	247	7.373%	5.153%	12.955%	0.5	0.51	0.5	1.485	1.78	1.295	3.5	8.64	3.1	9.94	9.94	5.2
AR	2,394	1,926	468	1.044%	1.194%	0.427%	0.15	0.15	0.25	0.74	0.74	1.175	1.83	1.8	2.1	3	3	2.1
AZ	11,741	9,575	2,166	0.230%	0.178%	0.462%	0.5	0.5	0.5	0.8	0.8	0.65	2.15	3.2	0.95	16	16	1
CA	85,326	44,955	40,371	0.484%	0.543%	0.419%	0.2	0.2	0.5	0.9	0.87	1	2.6	2.4	2.7	28	16.5	28
CO	2,893	2,135	758	3.111%	3.138%	3.034%	0.04	0.04	0.46	0.585	0.41	1	1.55	1.2	2.9	17	7.4	17
CT	6,826	5,936	890	0.278%	0.303%	0.112%	0.51	0.51	1.6	1.4	1.3	1.6	8.3	8.3	1.6	12	12	1.6
DE	1,050	1,020	30	0.952%	0.882%	3.333%	0.52	0.52	1.68	0.755	0.73	1.68	2.18	2.68	1.68	2.68	2.68	1.68
FL	4,185	4,118	67	2.843%	2.890%	0.000%	0.15	0.15		0.89	0.89		4.34	4.34		29.6	29.6	
GA	7,171	6,347	824	0.558%	0.504%	0.971%	0.52	0.52	0.52	1.25	1.55	0.8	3.4	3.4	2.4	34	34	2.4
HI	1,789	1,686	103	0.000%	0.000%	0.000%												
IA	1,781	1,656	125	1.179%	1.268%	0.000%	0.65	0.65		1.4	1.4		4.2	4.2		47.9	47.9	
ID	3,762	3,301	461	0.425%	0.485%	0.000%	0.5	0.5		1.2	1.2		9.96	9.96		19	19	
IL	6,568	5,995	573	1.629%	1.635%	1.571%	0.5	0.5	0.84	0.8	0.79	0.92	2.11	2.2	1.4	33.8	33.8	1.4
IN	4,623	4,313	310	2.271%	2.365%	0.968%	0.01	0.01	0.5	1.1	1.15	0.63	3.7	3.7	0.95	75.3	75.3	0.95
KY	3,318	1,128	2,190	2.502%	1.950%	2.785%	0.005	0.5	0.005	0.9	1	0.8	4	6	3	9.6	9.6	8
MA	16,249	12,259	3,990	0.431%	0.424%	0.451%	0.4	0.4	0.5	1	0.95	1.35	3.25	3.1	3.8	9.6	9.6	3.8
MD	6,770	5,508	1,262	1.285%	1.416%	0.713%	0.5	0.5	0.5	1	1	0.8	13.2	13.2	13.4	115	115	13.4
ME	3,698	3,383	315	0.730%	0.709%	0.952%	0.5	0.5	0.6	1.3	1.7	1.2	5.2	5.2	1.3	11	11	1.3
MI	10,618	9,608	1,010	0.367%	0.364%	0.396%	0.5	0.5	0.6	0.9	0.9	0.95	2.5	2.3	2.5	55.3	55.3	2.5
MN	8,588	7,339	1,249	0.780%	0.722%	1.121%	0.5	0.5	0.5	1.1	1.2	1.1	3.4	3.2	7	31	7	31
MO	7,528	6,685	843	0.956%	0.927%	1.186%	0.5	0.51	0.5	1	1	0.9	4.25	3.8	15.15	25.8	16	25.8
MT	4,673	3,981	692	5.307%	3.240%	17.197%	0.24	0.24	0.51	1.7	1.7	1.67	5.09	5.8	4.2	20.8	20.8	18
NC	19,070	17,489	1,581	0.346%	0.360%	0.190%	0.5	0.5	0.5	1.3	1.3	1.7	8.05	8.05	2.5	182	182	2.5
ND	534	405	129	0.749%	0.741%	0.775%	0.52	0.52	0.65	0.65	0.65	0.65	0.81	0.81	0.65	0.81	0.81	0.65
NE	6,837	6,261	576	0.044%	0.048%	0.000%	0.39	0.39		0.88	0.88		1.2	1.2		1.2	1.2	
NH	9,588	9,108	480	0.688%	0.681%	0.833%	0.5	0.5	0.54	1.55	1.55	1.165	6.5	6.5	2.8	40	40	2.8
NJ	20,298	18,518	1,780	0.985%	0.999%	0.843%	0.09	0.17	0.09	0.7	0.7	0.7	4.345	4.09	12.8	315.9	315.9	27.1
NM	6,574	6,098	476	1.567%	1.427%	3.361%	0.15	0.15	0.18	1.2	1.2	1.3	1.8	1.8	1.92	42	42	2.6
NV	3,166	2,546	620	0.695%	0.628%	0.968%	0.5	0.55	0.5	0.75	0.75	0.75	3.1	4.4	3.1	7.5	7.5	3.1
NY	7,081	5,420	1,661	0.621%	0.720%	0.301%	0.5	0.5	0.5	0.7	0.7	0.6	1.7	2	1.1	11.4	11.4	1.1
OH	8,783	7,632	1,151	1.583%	1.769%	0.348%	0.5	0.5	0.5	0.8	0.8	0.75	3.18	3.18	2.39	51.54	51.54	2.39
OK	5,637	4,201	1,436	1.064%	0.738%	2.019%	0.36	0.4	0.36	0.8	0.77	0.9	3.295	2.4	3.3	4.9	4.9	3.6
OR	2,324	1,682	642	0.129%	0.059%	0.312%	0.6	0.6	0.6	0.6	0.6	2	3.4	0.6	3.4	3.4	0.6	3.4
RI	1,959	1,591	368	0.613%	0.503%	1.087%	0.62	0.62	1.4	2.25	2.4	1.9	3.9	7.4	2.6	7.4	7.4	2.6
SC	4,344	3,805	539	0.322%	0.289%	0.557%	0.51	0.51	0.51	0.765	0.67	0.86	4.7	4.7	1.15	18.4	18.4	1.15
SD	889	855	34	0.225%	0.234%	0.000%	0.5	0.5		0.515	0.515		0.53	0.53		0.53	0.53	
TN	2,943	1,164	1,779	0.917%	0.945%	0.899%	0.51	1	0.51	1.3	1.9	0.9	3.5	3.5	2.8	5.6	3.5	5.6
TX	34,143	27,032	7,111	0.674%	0.633%	0.830%	0.5	0.5	0.5	0.8	0.9	0.7	2.85	3	2.1	30	30	12
UT	8,986	7,560	1,426	0.234%	0.132%	0.771%	0.3	0.3	0.5	0.7	1.05	0.5	5.6	8.95	0.9	11.8	11.8	0.9
VA	4,892	4,023	869	0.164%	0.199%	0.000%	0.5	0.5		1.55	1.55		8.9	8.9		8.9	8.9	
VT	4,345	3,952	393	0.621%	0.658%	0.254%	0.5	0.5	0.6	0.6	0.65	0.6	1.3	1.3	0.6	16.4	16.4	0.6
WI	11,288	11,164	124	2.702%	2.705%	2.419%	0.01	0.01	0.79	0.6	0.6	1.37	2.1	2.1	1.45	16	16	1.45
WV	1,140	443	697	1.491%	2.709%	0.717%	0.34	0.34	0.5	0.5	0.5	1	3.9	0.82	21.5	21.5	3.9	21.5
WY	1,662	1,159	503	1.504%	1.812%	0.795%	0.2	0.6	0.2	3	3	0.71	9.8	8.7	9.8	12.4	12.4	9.8
Total	372,009	287,552	84,457	0.882%	0.874%	0.909%	0.0041	0.0041	0.005	0.9	0.9	1	3.4	3.62	3.2	315.9	315.9	31

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	13.226%	9.072%	26.712%	45.287%	9.269%	67.711%
AL	264	202	62	4,224,479	1,123,190	3,101,289	12.500%	9.406%	22.581%	40.094%	14.180%	49.479%
AR	454	382	72	2,453,348	910,322	1,543,026	3.524%	3.665%	2.778%	2.048%	2.309%	1.894%
AZ	1,058	1,010	48	6,162,837	2,792,246	3,370,591	1.985%	1.485%	12.500%	17.822%	3.918%	29.341%
CA	3,659	3,143	516	35,830,016	13,517,625	22,312,391	4.127%	3.404%	8.527%	29.817%	17.555%	37.245%
CO	826	605	221	4,997,841	530,207	4,467,634	8.959%	9.587%	7.240%	7.671%	10.453%	7.341%
CT	1,200	1,161	39	2,722,518	388,596	2,333,922	0.833%	0.775%	2.564%	0.769%	3.681%	0.284%
DE	319	316	3	699,085	417,685	281,400	3.135%	2.848%	33.333%	22.651%	4.393%	49.751%
FL	1,512	1,486	26	17,499,838	15,253,796	2,246,042	5.291%	5.384%	0.000%	8.673%	9.950%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	1.262%	1.231%	1.724%	0.731%	2.124%	0.354%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,055	1,022	33	2,543,092	1,434,466	1,108,626	1.706%	1.761%	0.000%	0.758%	1.343%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	1.283%	1.367%	0.000%	8.502%	11.101%	0.000%
IL	1,181	1,081	100	9,131,338	2,935,560	6,195,778	6.520%	6.290%	9.000%	4.432%	9.218%	2.164%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	4.817%	4.755%	6.818%	4.700%	3.885%	5.604%
KY	241	92	149	4,602,392	375,363	4,227,029	18.672%	11.957%	22.819%	22.088%	13.129%	22.884%
MA	718	600	118	8,557,325	1,749,901	6,807,424	6.267%	5.667%	9.322%	4.425%	7.880%	3.537%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	3.890%	3.550%	8.824%	42.221%	27.873%	45.901%
ME	810	757	53	728,347	292,773	435,574	2.099%	1.849%	5.660%	5.632%	0.878%	8.827%
MI	2,964	2,903	61	7,151,842	1,971,986	5,179,856	1.181%	1.068%	6.557%	50.989%	2.586%	69.416%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	2.149%	1.869%	16.667%	8.071%	6.694%	11.387%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	4.305%	3.806%	12.987%	7.238%	6.272%	8.479%
MT	848	788	60	757,949	365,280	392,669	12.028%	8.249%	61.667%	54.015%	31.745%	74.731%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	2.028%	2.020%	2.158%	7.255%	3.321%	8.549%
ND	209	182	27	562,357	257,132	305,225	1.914%	1.648%	3.704%	3.169%	6.575%	0.299%
NE	771	760	11	1,462,181	685,701	776,480	0.389%	0.395%	0.000%	0.138%	0.294%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	3.021%	2.876%	7.317%	26.043%	10.720%	37.163%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	8.512%	8.376%	13.514%	20.368%	10.218%	25.834%
NM	727	688	39	1,698,980	1,432,432	266,548	9.216%	8.430%	23.077%	17.492%	10.584%	54.614%
NV	338	317	21	973,592	283,701	689,891	4.734%	4.101%	14.286%	9.514%	11.311%	8.775%
NY	1,518	1,283	235	4,888,878	1,042,826	3,846,052	1.713%	1.637%	2.128%	0.377%	1.341%	0.116%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	4.990%	5.168%	2.400%	18.193%	3.974%	24.471%
OK	730	518	212	3,123,687	664,833	2,458,854	3.151%	3.089%	3.302%	3.386%	9.675%	1.686%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.182%	0.106%	0.658%	0.041%	0.024%	0.045%
RI	145	136	9	913,884	173,906	739,978	5.517%	5.147%	11.111%	8.369%	4.728%	9.225%
SC	819	757	62	3,356,831	732,879	2,623,952	1.343%	1.189%	3.226%	0.390%	0.724%	0.297%
SD	245	233	12	266,416	194,218	72,198	0.816%	0.858%	0.000%	0.819%	1.124%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	3.419%	3.086%	3.704%	5.218%	5.765%	5.029%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	3.434%	2.972%	9.649%	24.661%	18.561%	28.247%
UT	500	454	46	2,553,197	1,698,877	854,320	2.200%	1.762%	6.522%	27.126%	8.964%	63.243%
VA	1,588	1,418	170	5,270,628	629,193	4,641,435	0.504%	0.564%	0.000%	0.084%	0.701%	0.000%
VT	603	560	43	491,035	227,067	263,968	1.824%	1.786%	2.326%	0.528%	1.033%	0.095%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	10.426%	10.431%	10.000%	14.341%	23.153%	2.113%
WV	403	243	160	1,416,020	237,670	1,178,350	4.218%	4.938%	3.125%	2.821%	2.860%	2.813%
WY	304	256	48	446,177	129,229	316,948	6.908%	6.641%	8.333%	8.805%	4.478%	10.570%
Total	50,169	45,918	4,251	226,844,060	86,307,048	140,537,012	3.903%	3.513%	8.116%	16.542%	10.521%	20.240%

State	Number of Systems with At Least One Detection > 5 µg/L			Percent of Systems with At Least One Detection > 5 µg/L			Population Served by Systems with At Least One Detection > 5 µg/L			Percent of Population Served with At Least One Detection > 5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3	2	1	0.484%	0.422%	0.685%	3,317	225	3,092	0.547%	0.097%	0.828%
AL	4	3	1	1.515%	1.485%	1.613%	35,927	14,873	21,054	0.850%	1.324%	0.679%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.095%	0.099%	0.000%	32,291	32,291	0	0.524%	1.156%	0.000%
CA	12	10	2	0.328%	0.318%	0.388%	351,170	155,838	195,332	0.980%	1.153%	0.875%
CO	3	2	1	0.363%	0.331%	0.452%	2,137	337	1,800	0.043%	0.064%	0.040%
CT	3	3	0	0.250%	0.258%	0.000%	550	550	0	0.020%	0.142%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	5	5	0	0.331%	0.336%	0.000%	70,510	70,510	0	0.403%	0.462%	0.000%
GA	2	2	0	0.110%	0.117%	0.000%	1,585	1,585	0	0.021%	0.100%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	2	2	0	0.190%	0.196%	0.000%	3,129	3,129	0	0.123%	0.218%	0.000%
ID	3	3	0	0.321%	0.342%	0.000%	2,240	2,240	0	0.205%	0.267%	0.000%
IL	3	3	0	0.254%	0.278%	0.000%	512	512	0	0.006%	0.017%	0.000%
IN	4	4	0	0.271%	0.280%	0.000%	650	650	0	0.013%	0.025%	0.000%
KY	3	2	1	1.245%	2.174%	0.671%	17,990	1,542	16,448	0.391%	0.411%	0.389%
MA	1	1	0	0.139%	0.167%	0.000%	8,019	8,019	0	0.094%	0.458%	0.000%
MD	3	2	1	0.285%	0.203%	1.471%	1,710,307	307	1,710,000	34.047%	0.030%	42.770%
ME	3	3	0	0.370%	0.396%	0.000%	675	675	0	0.093%	0.231%	0.000%
MI	2	2	0	0.067%	0.069%	0.000%	82	82	0	0.001%	0.004%	0.000%
MN	5	3	2	0.316%	0.193%	6.667%	49,713	13,145	36,568	1.167%	0.437%	2.926%
MO	5	4	1	0.353%	0.299%	1.299%	17,228	9,695	7,533	0.573%	0.574%	0.573%
MT	19	12	7	2.241%	1.523%	11.667%	15,995	12,077	3,918	2.110%	3.306%	0.998%
NC	5	5	0	0.211%	0.224%	0.000%	518	518	0	0.007%	0.030%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	8	8	0	0.636%	0.657%	0.000%	971	971	0	0.102%	0.243%	0.000%
NJ	4	3	1	0.286%	0.220%	2.703%	312,635	759	311,876	4.035%	0.028%	6.193%
NM	5	5	0	0.688%	0.727%	0.000%	493	493	0	0.029%	0.034%	0.000%
NV	1	1	0	0.296%	0.315%	0.000%	100	100	0	0.010%	0.035%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.162%	0.000%
OH	5	5	0	0.257%	0.275%	0.000%	9,117	9,117	0	0.089%	0.291%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	1	1	0	0.690%	0.735%	0.000%	3,811	3,811	0	0.417%	2.191%	0.000%
SC	1	1	0	0.122%	0.132%	0.000%	1,628	1,628	0	0.048%	0.222%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	0	1	0.285%	0.000%	0.529%	18,862	0	18,862	0.332%	0.000%	0.447%
TX	10	9	1	0.202%	0.195%	0.292%	206,395	21,454	184,941	0.822%	0.231%	1.169%
UT	3	3	0	0.600%	0.661%	0.000%	40,879	40,879	0	1.601%	2.406%	0.000%
VA	1	1	0	0.063%	0.071%	0.000%	125	125	0	0.002%	0.020%	0.000%
VT	1	1	0	0.166%	0.179%	0.000%	1,300	1,300	0	0.265%	0.573%	0.000%
WI	7	7	0	0.392%	0.397%	0.000%	14,543	14,543	0	0.360%	0.619%	0.000%
WV	1	0	1	0.248%	0.000%	0.625%	4,475	0	4,475	0.316%	0.000%	0.380%
WY	6	5	1	1.974%	1.953%	2.083%	1,885	1,205	680	0.422%	0.932%	0.215%
Total	147	125	22	0.293%	0.272%	0.518%	2,943,449	426,870	2,516,579	1.298%	0.495%	1.791%

State	Number of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	18	6	12	2.903%	1.266%	8.219%	235,589	1,908	233,681	38.864%	0.820%	62.548%
AL	11	6	5	4.167%	2.970%	8.065%	803,879	36,647	767,232	19.029%	3.263%	24.739%
AR	1	1	0	0.220%	0.262%	0.000%	3,800	3,800	0	0.155%	0.417%	0.000%
AZ	2	2	0	0.189%	0.198%	0.000%	32,321	32,321	0	0.524%	1.158%	0.000%
CA	25	18	7	0.683%	0.573%	1.357%	1,642,625	353,377	1,289,248	4.584%	2.614%	5.778%
CO	6	2	4	0.726%	0.331%	1.810%	38,493	337	38,156	0.770%	0.064%	0.854%
CT	4	4	0	0.333%	0.345%	0.000%	750	750	0	0.028%	0.193%	0.000%
DE	1	1	0	0.313%	0.316%	0.000%	105	105	0	0.015%	0.025%	0.000%
FL	22	22	0	1.455%	1.480%	0.000%	802,550	802,550	0	4.586%	5.261%	0.000%
GA	3	3	0	0.165%	0.176%	0.000%	2,835	2,835	0	0.038%	0.178%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	4	4	0	0.379%	0.391%	0.000%	3,349	3,349	0	0.132%	0.233%	0.000%
ID	5	5	0	0.535%	0.569%	0.000%	37,960	37,960	0	3.471%	4.532%	0.000%
IL	7	7	0	0.593%	0.648%	0.000%	7,912	7,912	0	0.087%	0.270%	0.000%
IN	17	17	0	1.153%	1.189%	0.000%	71,958	71,958	0	1.471%	2.798%	0.000%
KY	12	4	8	4.979%	4.348%	5.369%	261,300	1,792	259,508	5.677%	0.477%	6.139%
MA	8	6	2	1.114%	1.000%	1.695%	29,876	10,045	19,831	0.349%	0.574%	0.291%
MD	11	9	2	1.044%	0.913%	2.941%	1,711,368	965	1,710,403	34.068%	0.094%	42.780%
ME	6	6	0	0.741%	0.793%	0.000%	1,146	1,146	0	0.157%	0.391%	0.000%
MI	4	3	1	0.135%	0.103%	1.639%	221,976	32,833	189,143	3.104%	1.665%	3.652%
MN	12	10	2	0.759%	0.644%	6.667%	145,163	108,595	36,568	3.407%	3.607%	2.926%
MO	10	8	2	0.706%	0.597%	2.597%	30,132	11,945	18,187	1.003%	0.707%	1.384%
MT	55	37	18	6.486%	4.695%	30.000%	151,509	20,412	131,097	19.989%	5.588%	33.386%
NC	13	12	1	0.549%	0.539%	0.719%	11,178	7,418	3,760	0.160%	0.428%	0.071%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	13	12	1	1.033%	0.986%	2.439%	54,124	20,124	34,000	5.705%	5.044%	6.184%
NJ	12	11	1	0.858%	0.808%	2.703%	362,012	50,136	311,876	4.672%	1.848%	6.193%
NM	6	5	1	0.825%	0.727%	2.564%	1,043	493	550	0.061%	0.034%	0.206%
NV	4	3	1	1.183%	0.946%	4.762%	56,797	297	56,500	5.834%	0.105%	8.190%
NY	3	3	0	0.198%	0.234%	0.000%	1,930	1,930	0	0.039%	0.185%	0.000%
OH	13	13	0	0.669%	0.715%	0.000%	10,192	10,192	0	0.100%	0.325%	0.000%
OK	4	2	2	0.548%	0.386%	0.943%	23,881	610	23,271	0.765%	0.092%	0.946%
OR	1	0	1	0.091%	0.000%	0.658%	1,075	0	1,075	0.037%	0.000%	0.045%
RI	5	4	1	3.448%	2.941%	11.111%	72,563	4,300	68,263	7.940%	2.473%	9.225%
SC	2	2	0	0.244%	0.264%	0.000%	2,353	2,353	0	0.070%	0.321%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	5	3	2	1.425%	1.852%	1.058%	101,448	82,521	18,927	1.784%	5.642%	0.448%
TX	27	24	3	0.545%	0.521%	0.877%	967,793	71,607	896,186	3.854%	0.770%	5.667%
UT	4	4	0	0.800%	0.881%	0.000%	146,879	146,879	0	5.753%	8.646%	0.000%
VA	3	3	0	0.189%	0.212%	0.000%	1,840	1,840	0	0.035%	0.292%	0.000%
VT	2	2	0	0.332%	0.357%	0.000%	1,384	1,384	0	0.282%	0.610%	0.000%
WI	22	22	0	1.233%	1.247%	0.000%	46,597	46,597	0	1.154%	1.985%	0.000%
WV	2	1	1	0.496%	0.412%	0.625%	4,524	49	4,475	0.319%	0.021%	0.380%
WY	13	12	1	4.276%	4.688%	2.083%	4,830	4,150	680	1.083%	3.211%	0.215%
Total	398	319	79	0.793%	0.695%	1.858%	8,109,039	1,996,422	6,112,617	3.575%	2.313%	4.349%

Table A28e. Dichloromethane (Methylene chloride) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	42	20	22	6.774%	4.219%	15.068%	260,328	14,440	245,888	42.945%	6.208%	65.815%
AL	25	14	11	9.470%	6.931%	17.742%	1,411,820	76,732	1,335,088	33.420%	6.832%	43.049%
AR	6	5	1	1.322%	1.309%	1.389%	27,602	11,555	16,047	1.125%	1.269%	1.040%
AZ	8	7	1	0.756%	0.693%	2.083%	47,231	46,731	500	0.766%	1.674%	0.015%
CA	74	50	24	2.022%	1.591%	4.651%	4,210,227	1,271,794	2,938,433	11.751%	9.408%	13.170%
CO	16	7	9	1.937%	1.157%	4.072%	270,295	1,514	268,781	5.408%	0.286%	6.016%
CT	8	7	1	0.667%	0.603%	2.564%	8,620	2,000	6,620	0.317%	0.515%	0.284%
DE	3	2	1	0.940%	0.633%	33.333%	141,005	1,005	140,000	20.170%	0.241%	49.751%
FL	40	40	0	2.646%	2.692%	0.000%	1,138,675	1,138,675	0	6.507%	7.465%	0.000%
GA	13	12	1	0.714%	0.703%	0.862%	28,733	10,531	18,202	0.384%	0.661%	0.309%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	15	15	0	1.422%	1.468%	0.000%	13,760	13,760	0	0.541%	0.959%	0.000%
ID	7	7	0	0.749%	0.797%	0.000%	38,403	38,403	0	3.511%	4.585%	0.000%
IL	29	26	3	2.456%	2.405%	3.000%	173,752	103,673	70,079	1.903%	3.532%	1.131%
IN	44	44	0	2.985%	3.077%	0.000%	86,889	86,889	0	1.776%	3.379%	0.000%
KY	29	7	22	12.033%	7.609%	14.765%	638,410	43,217	595,193	13.871%	11.513%	14.081%
MA	24	17	7	3.343%	2.833%	5.932%	234,708	67,265	167,443	2.743%	3.844%	2.460%
MD	27	24	3	2.562%	2.434%	4.412%	1,843,181	28,211	1,814,970	36.692%	2.752%	45.396%
ME	11	9	2	1.358%	1.189%	3.774%	40,351	2,101	38,250	5.540%	0.718%	8.782%
MI	16	14	2	0.540%	0.482%	3.279%	227,828	35,766	192,062	3.186%	1.814%	3.708%
MN	24	21	3	1.517%	1.353%	10.000%	234,705	129,691	105,014	5.509%	4.307%	8.403%
MO	33	28	5	2.329%	2.090%	6.494%	73,066	30,633	42,433	2.432%	1.813%	3.228%
MT	80	50	30	9.434%	6.345%	50.000%	382,101	104,882	277,219	50.412%	28.713%	70.599%
NC	30	28	2	1.267%	1.257%	1.439%	463,653	28,346	435,307	6.625%	1.636%	8.268%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	1	1	0	0.130%	0.132%	0.000%	1,700	1,700	0	0.116%	0.248%	0.000%
NH	19	17	2	1.510%	1.397%	4.878%	212,678	21,105	191,573	22.416%	5.290%	34.844%
NJ	40	38	2	2.861%	2.792%	5.405%	1,064,460	76,330	988,130	13.738%	2.814%	19.622%
NM	45	39	6	6.190%	5.669%	15.385%	249,916	119,003	130,913	14.710%	8.308%	49.114%
NV	7	5	2	2.071%	1.577%	9.524%	60,930	591	60,339	6.258%	0.208%	8.746%
NY	10	9	1	0.659%	0.701%	0.426%	6,740	5,813	927	0.138%	0.557%	0.024%
OH	47	46	1	2.418%	2.529%	0.800%	24,452	23,452	1,000	0.239%	0.749%	0.014%
OK	9	5	4	1.233%	0.965%	1.887%	30,000	4,142	25,858	0.960%	0.623%	1.052%
OR	1	0	1	0.091%	0.000%	0.658%	1,075	0	1,075	0.037%	0.000%	0.045%
RI	7	6	1	4.828%	4.412%	11.111%	76,193	7,930	68,263	8.337%	4.560%	9.225%
SC	5	4	1	0.611%	0.528%	1.613%	8,841	2,553	6,288	0.263%	0.348%	0.240%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	10	5	5	2.849%	3.086%	2.646%	289,262	84,310	204,952	5.088%	5.765%	4.854%
TX	80	69	11	1.616%	1.497%	3.216%	1,529,166	246,426	1,282,740	6.089%	2.651%	8.111%
UT	5	5	0	1.000%	1.101%	0.000%	147,079	147,079	0	5.761%	8.657%	0.000%
VA	6	6	0	0.378%	0.423%	0.000%	4,098	4,098	0	0.078%	0.651%	0.000%
VT	4	4	0	0.663%	0.714%	0.000%	1,644	1,644	0	0.335%	0.724%	0.000%
WI	56	54	2	3.139%	3.061%	10.000%	258,677	222,937	35,740	6.404%	9.496%	2.113%
WV	4	1	3	0.993%	0.412%	1.875%	6,364	49	6,315	0.449%	0.021%	0.536%
WY	16	15	1	5.263%	5.859%	2.083%	6,106	5,426	680	1.369%	4.199%	0.215%
Total	976	783	193	1.945%	1.705%	4.540%	15,974,724	4,262,402	11,712,322	7.042%	4.939%	8.334%



Table A28f. Dichloromethane (Methylene chloride) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	79	41	38	12.742%	8.650%	26.027%	274,228	21,409	252,819	45.238%	9.205%	67.670%
AL	32	19	13	12.121%	9.406%	20.968%	1,687,556	159,270	1,528,286	39.947%	14.180%	49.279%
AR	9	8	1	1.982%	2.094%	1.389%	29,669	13,622	16,047	1.209%	1.496%	1.040%
AZ	17	12	5	1.607%	1.188%	10.417%	793,079	104,115	688,964	12.869%	3.729%	20.440%
CA	145	102	43	3.963%	3.245%	8.333%	10,589,878	2,364,657	8,225,221	29.556%	17.493%	36.864%
CO	38	24	14	4.600%	3.967%	6.335%	327,054	5,969	321,085	6.544%	1.126%	7.187%
CT	10	9	1	0.833%	0.775%	2.564%	20,925	14,305	6,620	0.769%	3.681%	0.284%
DE	10	9	1	3.135%	2.848%	33.333%	158,347	18,347	140,000	22.651%	4.393%	49.751%
FL	51	51	0	3.373%	3.432%	0.000%	1,270,475	1,270,475	0	7.260%	8.329%	0.000%
GA	23	21	2	1.262%	1.231%	1.724%	54,700	33,827	20,873	0.731%	2.124%	0.354%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	18	18	0	1.706%	1.761%	0.000%	19,271	19,271	0	0.758%	1.343%	0.000%
ID	9	9	0	0.963%	1.025%	0.000%	40,278	40,278	0	3.683%	4.809%	0.000%
IL	74	65	9	6.266%	6.013%	9.000%	380,580	246,518	134,062	4.168%	8.398%	2.164%
IN	64	62	2	4.342%	4.336%	4.545%	216,869	94,576	122,293	4.434%	3.678%	5.272%
KY	41	10	31	17.012%	10.870%	20.805%	716,907	48,581	668,326	15.577%	12.942%	15.811%
MA	40	30	10	5.571%	5.000%	8.475%	354,410	137,060	217,350	4.142%	7.832%	3.193%
MD	41	35	6	3.890%	3.550%	8.824%	2,120,947	285,785	1,835,162	42.221%	27.873%	45.901%
ME	13	10	3	1.605%	1.321%	5.660%	40,661	2,211	38,450	5.583%	0.755%	8.827%
MI	34	30	4	1.147%	1.033%	6.557%	3,646,624	50,978	3,595,646	50.989%	2.585%	69.416%
MN	32	28	4	2.023%	1.804%	13.333%	307,511	200,239	107,272	7.218%	6.651%	8.584%
MO	58	51	7	4.093%	3.806%	9.091%	155,251	105,975	49,276	5.168%	6.272%	3.749%
MT	101	64	37	11.910%	8.122%	61.667%	409,254	115,807	293,447	53.995%	31.704%	74.731%
NC	41	39	2	1.732%	1.750%	1.439%	490,565	55,258	435,307	7.010%	3.189%	8.268%
ND	4	3	1	1.914%	1.648%	3.704%	17,819	16,906	913	3.169%	6.575%	0.299%
NE	2	2	0	0.259%	0.263%	0.000%	1,746	1,746	0	0.119%	0.255%	0.000%
NH	36	33	3	2.862%	2.712%	7.317%	244,380	40,057	204,323	25.757%	10.040%	37.163%
NJ	85	80	5	6.080%	5.878%	13.514%	1,534,780	233,775	1,301,005	19.807%	8.618%	25.834%
NM	48	41	7	6.602%	5.959%	17.949%	256,103	122,453	133,650	15.074%	8.549%	50.141%
NV	16	13	3	4.734%	4.101%	14.286%	92,629	32,090	60,539	9.514%	11.311%	8.775%
NY	19	16	3	1.252%	1.247%	1.277%	13,584	9,457	4,127	0.278%	0.907%	0.107%
OH	83	81	2	4.270%	4.453%	1.600%	151,031	70,781	80,250	1.477%	2.259%	1.131%
OK	18	12	6	2.466%	2.317%	2.830%	92,384	63,357	29,027	2.958%	9.530%	1.181%
OR	2	1	1	0.182%	0.106%	0.658%	1,215	140	1,075	0.041%	0.024%	0.045%
RI	8	7	1	5.517%	5.147%	11.111%	76,485	8,222	68,263	8.369%	4.728%	9.225%
SC	11	9	2	1.343%	1.189%	3.226%	13,093	5,305	7,788	0.390%	0.724%	0.297%
SD	1	1	0	0.408%	0.429%	0.000%	113	113	0	0.042%	0.058%	0.000%
TN	12	5	7	3.419%	3.086%	3.704%	296,683	84,310	212,373	5.218%	5.765%	5.029%
TX	149	121	28	3.009%	2.625%	8.187%	4,663,260	366,008	4,297,252	18.570%	3.937%	27.172%
UT	9	7	2	1.800%	1.542%	4.348%	539,819	151,779	388,040	21.143%	8.934%	45.421%
VA	7	7	0	0.441%	0.494%	0.000%	4,388	4,388	0	0.083%	0.697%	0.000%
VT	8	7	1	1.327%	1.250%	2.326%	2,268	2,018	250	0.462%	0.889%	0.095%
WI	108	106	2	6.054%	6.009%	10.000%	397,109	361,369	35,740	9.831%	15.392%	2.113%
WV	6	3	3	1.489%	1.235%	1.875%	8,899	2,584	6,315	0.628%	1.087%	0.536%
WY	20	17	3	6.579%	6.641%	6.250%	16,447	5,787	10,660	3.686%	4.478%	3.363%
Total	1,632	1,319	313	3.253%	2.873%	7.363%	32,529,274	6,991,178	25,538,096	14.340%	8.100%	18.172%

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 70 µg/L	30,172	0	0.000%	67,200,878	0	0.000%
	≥ 40 µg/L	30,172	1	0.003%	67,200,878	1,810	0.003%
	≥ 35 µg/L	30,172	2	0.007%	67,200,878	1,845	0.003%
Surface Water	> 70 µg/L	3,015	1	0.033%	120,250,305	13,933	0.012%
	≥ 40 µg/L	3,015	1	0.033%	120,250,305	13,933	0.012%
	≥ 35 µg/L	3,015	1	0.033%	120,250,305	13,933	0.012%
Combined Ground & Surface Water	> 70 µg/L	33,187	1	0.003%	187,451,183	13,933	0.007%
	≥ 40 µg/L	33,187	2	0.006%	187,451,183	15,743	0.008%
	≥ 35 µg/L	33,187	3	0.009%	187,451,183	15,778	0.008%

Table A29a. 2,4-Dichlorophenoxyacetic acid – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)																		
State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	76	42	34	3.947%	7.143%	0.000%	0.17	0.17		0.26	0.26		0.36	0.36		0.36	0.36	
AL	629	442	187	0.159%	0.226%	0.000%	5.13	5.13		5.13	5.13		5.13	5.13		5.13	5.13	
AR	1,588	1,357	231	0.000%	0.000%	0.000%												
AZ	6,803	5,382	1,421	0.412%	0.334%	0.704%	0.1	0.1	0.1	0.205	0.1	0.225	0.47	0.37	5.435	10.4	0.49	10.4
CA	14,610	8,466	6,144	0.075%	0.012%	0.163%	0.009	0.68	0.009	0.2	0.68	0.2	0.68	0.68	3.31	6.3	0.68	6.3
CO	2,539	1,862	677	0.158%	0.161%	0.148%	0.14	0.14	0.5	0.545	0.59	0.5	0.6	0.6	0.5	0.6	0.6	0.5
CT	1,598	1,012	586	0.438%	0.000%	1.195%	0.19		0.19	0.22		0.22	0.22		0.22			0.22
DE	826	788	38	0.121%	0.000%	2.632%	1.5		1.5	1.5		1.5	1.5		1.5			1.5
FL	2,411	2,344	67	0.995%	0.981%	1.493%	0.06	0.06	0.16	0.8	0.98	0.16	1	1	0.16	70	70	0.16
GA	1,433	1,355	78	0.349%	0.295%	1.282%	0.35	0.35	0.69	0.63	0.53	0.69	0.69	0.66	0.69	0.69	0.66	0.69
HI																		
IA	1,745	1,615	130	0.229%	0.186%	0.769%	0.1	0.2	0.1	0.225	0.25	0.1	0.27	0.27	0.1	0.27	0.27	0.1
ID	2,079	1,799	280	0.048%	0.056%	0.000%	0.18	0.18		0.18	0.18		0.18	0.18		0.18	0.18	
IL	4,076	3,478	598	0.098%	0.086%	0.167%	0.1	0.1	1.1	0.835	0.57	1.1	2.2	2.2	1.1	2.2	2.2	1.1
IN	2,475	2,309	166	0.283%	0.043%	3.614%	0.15	0.15	0.2	0.3	0.15	0.35	0.8	0.15	0.8	0.8	0.15	0.8
KY	1,755	437	1,318	1.197%	0.000%	1.593%	0.1		0.1	0.3		0.3	0.7		0.7	230		230
MA	2,981	2,188	793	0.235%	0.320%	0.000%	0.04	0.04		0.17	0.17		1.1	1.1		1.1	1.1	
MD	2,502	1,699	803	3.038%	2.413%	4.359%	0.1	0.1	0.12	0.26	0.24	0.27	0.78	0.74	1.06	2.5	1.21	2.5
ME	378	317	61	0.000%	0.000%	0.000%												
MI	6,585	6,292	293	0.000%	0.000%	0.000%												
MN	4,627	4,495	132	0.303%	0.311%	0.000%	0.5	0.5		12.5	12.5		34	34		35	35	
MO	5,801	4,982	819	0.034%	0.000%	0.244%	1.14		1.14	1.63		1.63	2.12		2.12	2.12		2.12
MT	3,190	2,908	282	0.063%	0.034%	0.355%	1.4	1.4	1.95	1.675	1.4	1.95	1.95	1.4	1.95	1.95	1.4	1.95
NC	13,960	12,727	1,233	1.125%	1.053%	1.865%	0.1	0.1	0.1	0.3	0.305	0.24	1.2	1.3	0.47	7.9	7.9	1.7
ND	404	341	63	0.000%	0.000%	0.000%												
NE	2,220	2,143	77	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.024%	0.026%	0.000%	19	19		19	19		19	19		19	19	
NJ	162	144	18	0.000%	0.000%	0.000%												
NM	4,350	4,103	247	0.138%	0.146%	0.000%	0.28	0.28		1.365	1.365		5.9	5.9		5.9	5.9	
NV	1,576	1,161	415	0.190%	0.172%	0.241%	0.29	0.39	0.29	0.39	5.195	0.29	10	10	0.29	10	10	0.29
NY	2,891	2,172	719	0.173%	0.092%	0.417%	0.3	1.7	0.3	0.7	2.15	0.69	2.6	2.6	0.7	2.6	2.6	0.7
OH	581	387	194	0.688%	0.000%	2.062%	0.1		0.1	0.295		0.295	0.5		0.5	0.5		0.5
OK																		
OR	2,082	1,599	483	0.000%	0.000%	0.000%												
RI	740	498	242	0.000%	0.000%	0.000%												
SC	3,307	2,896	411	0.393%	0.069%	2.676%	0.11	0.11	0.22	0.38	0.155	0.4	0.63	0.2	0.63	1.2	0.2	1.2
SD	965	848	117	0.207%	0.118%	0.855%	0.6	2.66	0.6	1.63	2.66	0.6	2.66	2.66	0.6	2.66	2.66	0.6
TN	71	12	59	0.000%	0.000%	0.000%												
TX	2,174	1,343	831	0.000%	0.000%	0.000%												
UT	7,094	5,906	1,188	0.000%	0.000%	0.000%												
VA	442	148	294	0.000%	0.000%	0.000%												
VT	1,299	1,105	194	0.231%	0.181%	0.515%	0.05	0.05	1	1	0.525	1	1	1	1	1	1	1
WI	3,164	3,072	92	0.158%	0.130%	1.087%	0.1	0.1	0.2	0.2	0.2	0.2	0.4	0.4	0.2	0.4	0.4	0.2
WV	648	340	308	2.006%	2.647%	1.299%	0.02	0.02	0.02	0.02	0.02	0.16	0.3	0.1	0.5	0.5	0.1	0.5
WY	1,255	941	314	0.000%	0.000%	0.000%												
Total	124,285	101,329	22,956	0.349%	0.283%	0.640%	0.009	0.02	0.009	0.3	0.3	0.29	1.5	2	1.1	230	70	230

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	20	15	5	316,451	85,001	231,450	5.000%	6.667%	0.000%	2.859%	10.642%	0.000%
AL	184	132	52	2,871,122	623,904	2,247,218	0.543%	0.758%	0.000%	0.417%	1.917%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	918	870	48	6,045,047	2,674,456	3,370,591	2.070%	1.609%	10.417%	38.197%	3.302%	65.886%
CA	1,609	1,283	326	33,683,424	12,321,497	21,361,927	0.435%	0.078%	1.840%	1.496%	0.455%	2.096%
CO	816	597	219	4,994,023	527,114	4,466,909	0.368%	0.335%	0.457%	0.039%	0.328%	0.005%
CT	655	617	38	2,595,127	261,240	2,333,887	0.611%	0.000%	10.526%	17.134%	0.000%	19.052%
DE	254	251	3	624,615	343,215	281,400	0.394%	0.000%	33.333%	16.854%	0.000%	37.409%
FL	1,320	1,298	22	16,799,674	14,557,669	2,242,005	0.833%	0.770%	4.545%	17.246%	18.239%	10.799%
GA	297	283	14	997,274	305,252	692,022	1.684%	1.413%	7.143%	18.503%	1.484%	26.011%
HI												
IA	1,055	1,022	33	2,542,641	1,434,015	1,108,626	0.379%	0.294%	3.030%	0.231%	0.077%	0.430%
ID	870	813	57	1,064,826	808,630	256,196	0.115%	0.123%	0.000%	0.005%	0.006%	0.000%
IL	1,368	1,264	104	9,183,247	2,982,850	6,200,397	0.292%	0.237%	0.962%	0.071%	0.138%	0.039%
IN	1,406	1,362	44	4,871,953	2,552,217	2,319,736	0.284%	0.073%	6.818%	23.746%	0.001%	49.871%
KY	241	92	149	4,596,328	369,299	4,227,029	6.639%	0.000%	10.738%	37.474%	0.000%	40.748%
MA	645	528	117	8,509,903	1,707,521	6,802,382	0.930%	1.136%	0.000%	0.984%	4.905%	0.000%
MD	862	794	68	4,906,001	907,894	3,998,107	6.381%	4.786%	25.000%	80.103%	19.868%	93.781%
ME	216	190	26	491,237	116,848	374,389	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,919	2,858	61	7,224,193	2,044,337	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,288	1,259	29	3,933,642	2,684,001	1,249,641	0.233%	0.238%	0.000%	0.036%	0.053%	0.000%
MO	1,475	1,398	77	3,281,888	1,700,557	1,581,331	0.136%	0.000%	2.597%	0.183%	0.000%	0.380%
MT	846	786	60	757,811	365,142	392,669	0.236%	0.127%	1.667%	0.307%	0.527%	0.102%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	4.482%	3.995%	12.409%	31.549%	25.492%	33.587%
ND	209	182	27	559,198	253,973	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	739	728	11	1,454,673	678,193	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.081%	0.084%	0.000%	0.003%	0.006%	0.000%
NJ	127	116	11	1,969,193	341,973	1,627,220	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	692	657	35	1,656,892	1,395,794	261,098	0.434%	0.457%	0.000%	0.510%	0.605%	0.000%
NV	288	267	21	960,568	270,677	689,891	1.042%	0.749%	4.762%	26.096%	1.717%	35.661%
NY	1,348	1,117	231	4,925,666	982,389	3,943,277	0.223%	0.090%	0.866%	0.275%	0.172%	0.301%
OH	273	194	79	6,515,428	484,233	6,031,195	0.366%	0.000%	1.266%	0.721%	0.000%	0.779%
OK												
OR	1,094	944	150	2,939,761	575,011	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	89	80	9	900,695	160,717	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	785	725	60	3,448,394	820,701	2,627,693	1.656%	0.276%	18.333%	8.626%	0.618%	11.127%
SD	260	239	21	622,152	262,981	359,171	0.769%	0.418%	4.762%	20.700%	0.252%	35.673%
TN	16	5	11	1,212,043	144,963	1,067,080	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	856	702	154	18,700,247	4,013,688	14,686,559	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,671	1,667,485	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	173	63	110	2,380,983	26,904	2,354,079	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	440	407	33	432,449	181,285	251,164	0.682%	0.491%	3.030%	3.739%	0.280%	6.236%
WI	1,406	1,386	20	3,883,613	2,191,869	1,691,744	0.284%	0.216%	5.000%	0.246%	0.380%	0.073%
WV	342	197	145	1,367,674	206,326	1,161,348	3.216%	4.569%	1.379%	0.596%	0.961%	0.532%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	33,187	30,172	3,015	187,451,183	67,200,878	120,250,305	0.901%	0.669%	3.217%	8.714%	5.317%	10.613%

State	Number of Systems with At Least One Detection > 70 µg/L			Percent of Systems with At Least One Detection > 70 µg/L			Population Served by Systems with At Least One Detection > 70 µg/L			Percent of Population Served with At Least One Detection > 70 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	13,933	0	13,933	0.303%	0.000%	0.330%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	0	1	0.003%	0.000%	0.033%	13,933	0	13,933	0.007%	0.000%	0.012%

State	Number of Systems with At Least One Detection ≥ 40 µg/L			Percent of Systems with At Least One Detection ≥ 40 µg/L			Population Served by Systems with At Least One Detection ≥ 40 µg/L			Percent of Population Served with At Least One Detection ≥ 40 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.076%	0.077%	0.000%	1,810	1,810	0	0.011%	0.012%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	13,933	0	13,933	0.303%	0.000%	0.330%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	1	1	0.006%	0.003%	0.033%	15,743	1,810	13,933	0.008%	0.003%	0.012%

State	Number of Systems with At Least One Detection ≥ 35 µg/L			Percent of Systems with At Least One Detection ≥ 35 µg/L			Population Served by Systems with At Least One Detection ≥ 35 µg/L			Percent of Population Served with At Least One Detection ≥ 35 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.076%	0.077%	0.000%	1,810	1,810	0	0.011%	0.012%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	13,933	0	13,933	0.303%	0.000%	0.330%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	1	1	0	0.078%	0.079%	0.000%	35	35	0	0.001%	0.001%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	3	2	1	0.009%	0.007%	0.033%	15,778	1,845	13,933	0.008%	0.003%	0.012%

Table A30. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 µg/L	46,180	8	0.017%	86,395,709	16,691	0.019%
	≥ 2.5 µg/L	46,180	33	0.071%	86,395,709	43,469	0.050%
	≥ 1 µg/L	46,180	84	0.182%	86,395,709	464,180	0.537%
	> 0.5 µg/L	46,180	150	0.325%	86,395,709	666,040	0.771%
Surface Water	> 5 µg/L	4,257	2	0.047%	140,516,425	334,996	0.238%
	≥ 2.5 µg/L	4,257	6	0.141%	140,516,425	1,094,057	0.779%
	≥ 1 µg/L	4,257	14	0.329%	140,516,425	7,662,775	5.453%
	> 0.5 µg/L	4,257	15	0.352%	140,516,425	8,053,925	5.732%
Combined Ground & Surface Water	> 5 µg/L	50,437	10	0.020%	226,912,134	351,687	0.155%
	≥ 2.5 µg/L	50,437	39	0.077%	226,912,134	1,137,526	0.501%
	≥ 1 µg/L	50,437	98	0.194%	226,912,134	8,126,955	3.582%
	> 0.5 µg/L	50,437	165	0.327%	226,912,134	8,719,965	3.843%



Table A30a. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,108	1,971	1,137	0.064%	0.101%	0.000%	0.68	0.68		2.69	2.69		4.7	4.7		4.7	4.7	
AL	821	597	224	0.122%	0.168%	0.000%	0.51	0.51		0.51	0.51		0.51	0.51		0.51	0.51	
AR	3,969	3,237	732	0.126%	0.154%	0.000%	0.11	0.11		0.16	0.16		0.22	0.22		0.22	0.22	
AZ	11,702	9,533	2,169	0.043%	0.021%	0.138%	0.5	0.6	0.5	0.5	1.4	0.5	2.2	2.2	0.5	2.2	2.2	0.5
CA	85,571	45,296	40,275	0.293%	0.068%	0.546%	0.25	0.25	0.5	1.1	0.55	1.2	2.5	1	2.55	26.2	2.8	26.2
CO	2,871	2,131	740	0.000%	0.000%	0.000%												
CT	6,938	6,047	891	1.009%	1.141%	0.112%	0.5	0.5	0.8	3.1	3.1	0.8	6.45	6.5	0.8	11.3	11.3	0.8
DE	1,048	1,018	30	0.000%	0.000%	0.000%												
FL	4,147	4,079	68	0.241%	0.245%	0.000%	0.09	0.09		0.275	0.275		3.95	3.95		4	4	
GA	7,176	6,349	827	0.223%	0.252%	0.000%	0.5	0.5		1.1	1.1		1.3	1.3		1.5	1.5	
HI	1,790	1,687	103	0.056%	0.059%	0.000%	1	1		1	1		1	1		1	1	
IA	1,776	1,651	125	0.169%	0.182%	0.000%	0.6	0.6		0.6	0.6		1.4	1.4		1.4	1.4	
ID	3,765	3,304	461	0.000%	0.000%	0.000%												
IL	6,996	6,436	560	0.057%	0.062%	0.000%	0.63	0.63		0.725	0.725		2.91	2.91		2.91	2.91	
IN	4,622	4,312	310	0.130%	0.139%	0.000%	0.5	0.5		0.79	0.79		1.6	1.6		1.6	1.6	
KY	3,313	1,126	2,187	0.272%	0.000%	0.412%	0.005		0.005	0.5		0.5	1		1	1		1
MA	16,249	12,259	3,990	0.018%	0.008%	0.050%	0.8	1.83	0.8	1	1.83	0.9	1.83	1.83	1	1.83	1.83	1
MD	6,772	5,511	1,261	0.340%	0.417%	0.000%	0.5	0.5		1.1	1.1		2	2		5.2	5.2	
ME	3,698	3,383	315	0.027%	0.030%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
MI	10,753	9,743	1,010	0.186%	0.205%	0.000%	0.4	0.4		0.65	0.65		2.35	2.35		4.4	4.4	
MN	8,582	7,333	1,249	0.338%	0.395%	0.000%	0.2	0.2		0.4	0.4		1.3	1.3		4.7	4.7	
MO	7,544	6,695	849	0.013%	0.015%	0.000%	2.66	2.66		2.66	2.66		2.66	2.66		2.66	2.66	
MT	4,491	3,952	539	0.045%	0.051%	0.000%	0.58	0.58		0.71	0.71		0.84	0.84		0.84	0.84	
NC	19,065	17,486	1,579	1.317%	1.435%	0.000%	0.5	0.5		1	1		2.4	2.4		9.5	9.5	
ND	552	417	135	0.000%	0.000%	0.000%												
NE	6,844	6,265	579	0.161%	0.176%	0.000%	0.6	0.6		0.99	0.99		2.43	2.43		3.3	3.3	
NH	9,581	9,103	478	0.417%	0.439%	0.000%	0.32	0.32		1.7	1.7		2.4	2.4		3	3	
NJ	20,355	18,567	1,788	0.265%	0.237%	0.559%	0.1	0.1	0.1	0.505	0.5	0.65	2.4	2.9	1.55	3.9	3.9	1.8
NM	6,576	6,100	476	0.015%	0.016%	0.000%	1.2	1.2		1.2	1.2		1.2	1.2		1.2	1.2	
NV	3,209	2,577	632	0.000%	0.000%	0.000%												
NY	7,078	5,407	1,671	0.113%	0.111%	0.120%	0.5	0.5	0.5	0.5	0.8	0.5	10.6	10.6	0.5	10.6	10.6	0.5
OH	8,852	7,689	1,163	0.045%	0.052%	0.000%	0.11	0.11		1.7	1.7		11	11		11	11	
OK	5,636	4,201	1,435	0.071%	0.071%	0.070%	0.5	0.5	0.5	0.55	0.6	0.5	5.7	5.7	0.5	5.7	5.7	0.5
OR	2,324	1,682	642	0.086%	0.119%	0.000%	0.7	0.7		1.35	1.35		2	2		2	2	
RI	1,959	1,591	368	0.000%	0.000%	0.000%												
SC	4,342	3,803	539	0.299%	0.289%	0.371%	0.52	0.52	10	1.41	0.97	10	10	3.22	10	10	3.29	10
SD	889	855	34	0.337%	0.351%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
TN	2,936	1,165	1,771	0.034%	0.086%	0.000%	0.7	0.7		0.7	0.7		0.7	0.7		0.7	0.7	
TX	34,143	27,039	7,104	0.012%	0.015%	0.000%	0.5	0.5		0.9	0.9		1.9	1.9		1.9	1.9	
UT	8,993	7,562	1,431	0.000%	0.000%	0.000%												
VA	4,932	4,058	874	0.081%	0.099%	0.000%	1	1		1.4	1.4		1.7	1.7		1.7	1.7	
VT	4,350	3,956	394	0.046%	0.051%	0.000%	0.2	0.2		0.6	0.6		1	1		1	1	
WI	11,290	11,165	125	0.390%	0.394%	0.000%	0.01	0.01		0.465	0.465		1.3	1.3		3.3	3.3	
WV	1,142	444	698	1.226%	2.477%	0.430%	0.11	0.11	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0.5	1
WY	1,659	1,156	503	0.000%	0.000%	0.000%												
Total	374,409	289,938	84,471	0.246%	0.231%	0.300%	0.005	0.01	0.005	1	0.9	1.1	2.9	3.1	2.5	26.2	11.3	26.2

Table A30b. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.323%	0.422%	0.000%	0.040%	0.104%	0.000%
AL	263	202	61	4,218,278	1,123,190	3,095,088	0.380%	0.495%	0.000%	0.635%	2.384%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.881%	1.047%	0.000%	0.214%	0.577%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.189%	0.099%	2.083%	4.865%	0.001%	8.901%
CA	3,649	3,132	517	35,802,685	13,514,997	22,287,688	0.603%	0.447%	1.547%	19.154%	3.423%	28.693%
CO	826	605	221	4,997,841	530,207	4,467,634	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.414%	0.342%	2.564%	14.874%	3.574%	16.759%
DE	318	315	3	698,987	417,587	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,509	1,483	26	17,495,514	15,249,472	2,246,042	0.398%	0.405%	0.000%	2.766%	3.174%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.329%	0.352%	0.000%	0.055%	0.260%	0.000%
HI	106	94	12	1,293,745	1,239,117	54,628	0.943%	1.064%	0.000%	0.050%	0.052%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.284%	0.293%	0.000%	0.037%	0.065%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.140%	0.151%	0.000%	0.015%	0.046%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.271%	0.280%	0.000%	0.018%	0.034%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	2.490%	0.000%	4.027%	9.098%	0.000%	9.906%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.279%	0.167%	0.847%	0.208%	0.009%	0.260%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.759%	0.811%	0.000%	0.795%	3.896%	0.000%
ME	810	757	53	728,347	292,773	435,574	0.123%	0.132%	0.000%	0.030%	0.073%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.437%	0.447%	0.000%	0.040%	0.146%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	1.264%	1.289%	0.000%	3.340%	4.727%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.071%	0.075%	0.000%	0.109%	0.194%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.236%	0.254%	0.000%	0.014%	0.029%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	1.732%	1.840%	0.000%	0.369%	1.492%	0.000%
ND	210	183	27	562,397	257,172	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.389%	0.395%	0.000%	0.183%	0.391%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	0.238%	0.247%	0.000%	0.036%	0.087%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	1.502%	1.396%	5.405%	13.881%	5.226%	18.543%
NM	726	687	39	1,698,755	1,432,207	266,548	0.138%	0.146%	0.000%	0.010%	0.011%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,525	1,289	236	4,895,654	1,045,052	3,850,602	0.459%	0.388%	0.847%	0.098%	0.429%	0.008%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.154%	0.165%	0.000%	0.045%	0.146%	0.000%
OK	730	518	212	3,123,687	664,833	2,458,854	0.548%	0.579%	0.472%	0.051%	0.079%	0.044%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.182%	0.212%	0.000%	0.010%	0.052%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.366%	0.264%	1.613%	7.929%	0.062%	10.126%
SD	245	233	12	266,416	194,218	72,198	0.408%	0.429%	0.000%	2.064%	2.832%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.285%	0.617%	0.000%	0.093%	0.362%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.020%	0.022%	0.000%	0.002%	0.005%	0.000%
UT	500	454	46	2,553,197	1,698,877	854,320	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	1,600	1,429	171	5,273,258	630,675	4,642,583	0.063%	0.070%	0.000%	0.001%	0.010%	0.000%
VT	603	560	43	491,035	227,067	263,968	0.332%	0.357%	0.000%	0.967%	2.090%	0.000%
WI	1,783	1,763	20	4,039,401	2,347,657	1,691,744	1.290%	1.305%	0.000%	0.760%	1.308%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.474%	4.527%	1.875%	2.193%	1.018%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,437	46,180	4,257	226,912,134	86,395,709	140,516,425	0.480%	0.468%	0.611%	4.483%	1.644%	6.229%

Table A30c. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 µg/L			Percent of Systems with At Least One Detection > 5 µg/L			Population Served by Systems with At Least One Detection > 5 µg/L			Percent of Population Served with At Least One Detection > 5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	0	1	0.027%	0.000%	0.193%	69,300	0	69,300	0.194%	0.000%	0.311%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.083%	0.086%	0.000%	13,707	13,707	0	0.503%	3.520%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	1	0	0.095%	0.101%	0.000%	45	45	0	0.001%	0.004%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	3	0	0.127%	0.135%	0.000%	832	832	0	0.012%	0.048%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.161%	0.000%
OH	1	1	0	0.051%	0.055%	0.000%	342	342	0	0.003%	0.011%	0.000%
OK	1	1	0	0.137%	0.193%	0.000%	80	80	0	0.003%	0.012%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	0	1	0.122%	0.000%	1.613%	265,696	0	265,696	7.915%	0.000%	10.126%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	10	8	2	0.020%	0.017%	0.047%	351,687	16,691	334,996	0.155%	0.019%	0.238%

Table A30d. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	1	0	0.161%	0.211%	0.000%	158	158	0	0.026%	0.068%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	6	1	5	0.164%	0.032%	0.967%	828,611	250	828,361	2.314%	0.002%	3.717%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	2	2	0	0.166%	0.171%	0.000%	13,802	13,802	0	0.507%	3.544%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.066%	0.067%	0.000%	16,800	16,800	0	0.096%	0.110%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	980	980	0	0.011%	0.032%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	1	0	0.095%	0.101%	0.000%	45	45	0	0.001%	0.004%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	2	2	0	0.067%	0.069%	0.000%	530	530	0	0.007%	0.027%	0.000%
MN	1	1	0	0.063%	0.064%	0.000%	25	25	0	0.001%	0.001%	0.000%
MO	1	1	0	0.071%	0.075%	0.000%	3,273	3,273	0	0.109%	0.194%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	9	9	0	0.380%	0.404%	0.000%	2,460	2,460	0	0.035%	0.142%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	1	1	0	0.130%	0.132%	0.000%	1,066	1,066	0	0.073%	0.155%	0.000%
NH	1	1	0	0.079%	0.082%	0.000%	48	48	0	0.005%	0.012%	0.000%
NJ	5	5	0	0.358%	0.367%	0.000%	1,032	1,032	0	0.013%	0.038%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.161%	0.000%
OH	1	1	0	0.051%	0.055%	0.000%	342	342	0	0.003%	0.011%	0.000%
OK	1	1	0	0.137%	0.193%	0.000%	80	80	0	0.003%	0.012%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	2	1	1	0.244%	0.132%	1.613%	265,738	42	265,696	7.916%	0.006%	10.126%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	2	2	0	0.112%	0.113%	0.000%	851	851	0	0.021%	0.036%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	39	33	6	0.077%	0.071%	0.141%	1,137,526	43,469	1,094,057	0.501%	0.050%	0.779%

Table A30e. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	1	0	0.161%	0.211%	0.000%	158	158	0	0.026%	0.068%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	30	30	0	0.000%	0.001%	0.000%
CA	13	5	8	0.356%	0.160%	1.547%	6,742,015	347,020	6,394,995	18.831%	2.568%	28.693%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	3	3	0	0.249%	0.257%	0.000%	13,890	13,890	0	0.510%	3.567%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	2	2	0	0.133%	0.135%	0.000%	37,296	37,296	0	0.213%	0.245%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	1,000	1,000	0	0.013%	0.063%	0.000%
HI	1	1	0	0.943%	1.064%	0.000%	650	650	0	0.050%	0.052%	0.000%
IA	1	1	0	0.095%	0.098%	0.000%	739	739	0	0.029%	0.052%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	980	980	0	0.011%	0.032%	0.000%
IN	1	1	0	0.068%	0.070%	0.000%	258	258	0	0.005%	0.010%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	48,800	0	48,800	1.060%	0.000%	1.154%
MA	2	1	1	0.279%	0.167%	0.847%	17,842	152	17,690	0.208%	0.009%	0.260%
MD	3	3	0	0.285%	0.304%	0.000%	25,345	25,345	0	0.505%	2.472%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	4	4	0	0.135%	0.137%	0.000%	1,280	1,280	0	0.018%	0.065%	0.000%
MN	6	6	0	0.379%	0.387%	0.000%	1,209	1,209	0	0.028%	0.040%	0.000%
MO	1	1	0	0.071%	0.075%	0.000%	3,273	3,273	0	0.109%	0.194%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	24	24	0	1.014%	1.077%	0.000%	17,723	17,723	0	0.253%	1.023%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	0.259%	0.263%	0.000%	2,647	2,647	0	0.181%	0.386%	0.000%
NH	2	2	0	0.159%	0.164%	0.000%	96	96	0	0.010%	0.024%	0.000%
NJ	10	8	2	0.715%	0.588%	5.405%	935,815	2,021	933,794	12.077%	0.075%	18.543%
NM	1	1	0	0.138%	0.146%	0.000%	163	163	0	0.010%	0.011%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	2	2	0	0.131%	0.155%	0.000%	1,785	1,785	0	0.036%	0.171%	0.000%
OH	1	1	0	0.051%	0.055%	0.000%	342	342	0	0.003%	0.011%	0.000%
OK	1	1	0	0.137%	0.193%	0.000%	80	80	0	0.003%	0.012%	0.000%
OR	1	1	0	0.091%	0.106%	0.000%	31	31	0	0.001%	0.005%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	2	1	1	0.244%	0.132%	1.613%	265,738	42	265,696	7.916%	0.006%	10.126%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	1	0	0.020%	0.022%	0.000%	474	474	0	0.002%	0.005%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.063%	0.070%	0.000%	60	60	0	0.001%	0.010%	0.000%
VT	1	1	0	0.166%	0.179%	0.000%	90	90	0	0.018%	0.040%	0.000%
WI	6	6	0	0.337%	0.340%	0.000%	5,346	5,346	0	0.132%	0.228%	0.000%
WV	1	0	1	0.248%	0.000%	0.625%	1,800	0	1,800	0.127%	0.000%	0.153%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	98	84	14	0.194%	0.182%	0.329%	8,126,955	464,180	7,662,775	3.582%	0.537%	5.453%

Table A30f. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	2	2	0	0.323%	0.422%	0.000%	241	241	0	0.040%	0.104%	0.000%
AL	1	1	0	0.380%	0.495%	0.000%	26,778	26,778	0	0.635%	2.384%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	30	30	0	0.000%	0.001%	0.000%
CA	21	13	8	0.576%	0.415%	1.547%	6,857,618	462,623	6,394,995	19.154%	3.423%	28.693%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	5	4	1	0.414%	0.342%	2.564%	405,070	13,920	391,150	14.874%	3.574%	16.759%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	2	2	0	0.133%	0.135%	0.000%	37,296	37,296	0	0.213%	0.245%	0.000%
GA	5	5	0	0.274%	0.293%	0.000%	4,094	4,094	0	0.055%	0.257%	0.000%
HI	1	1	0	0.943%	1.064%	0.000%	650	650	0	0.050%	0.052%	0.000%
IA	3	3	0	0.284%	0.293%	0.000%	934	934	0	0.037%	0.065%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	2	2	0	0.140%	0.151%	0.000%	1,380	1,380	0	0.015%	0.046%	0.000%
IN	3	3	0	0.204%	0.210%	0.000%	347	347	0	0.007%	0.013%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	48,800	0	48,800	1.060%	0.000%	1.154%
MA	2	1	1	0.279%	0.167%	0.847%	17,842	152	17,690	0.208%	0.009%	0.260%
MD	7	7	0	0.664%	0.710%	0.000%	39,878	39,878	0	0.794%	3.889%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	11	11	0	0.370%	0.378%	0.000%	2,255	2,255	0	0.032%	0.114%	0.000%
MN	9	9	0	0.569%	0.580%	0.000%	20,118	20,118	0	0.472%	0.668%	0.000%
MO	1	1	0	0.071%	0.075%	0.000%	3,273	3,273	0	0.109%	0.194%	0.000%
MT	2	2	0	0.236%	0.254%	0.000%	106	106	0	0.014%	0.029%	0.000%
NC	41	41	0	1.732%	1.840%	0.000%	25,849	25,849	0	0.369%	1.492%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	3	3	0	0.389%	0.395%	0.000%	2,681	2,681	0	0.183%	0.391%	0.000%
NH	2	2	0	0.159%	0.164%	0.000%	96	96	0	0.010%	0.024%	0.000%
NJ	13	11	2	0.930%	0.808%	5.405%	942,132	8,338	933,794	12.159%	0.307%	18.543%
NM	1	1	0	0.138%	0.146%	0.000%	163	163	0	0.010%	0.011%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	2	2	0	0.131%	0.155%	0.000%	1,785	1,785	0	0.036%	0.171%	0.000%
OH	1	1	0	0.051%	0.055%	0.000%	342	342	0	0.003%	0.011%	0.000%
OK	2	2	0	0.274%	0.386%	0.000%	212	212	0	0.007%	0.032%	0.000%
OR	2	2	0	0.182%	0.212%	0.000%	301	301	0	0.010%	0.052%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	3	2	1	0.366%	0.264%	1.613%	266,150	454	265,696	7.929%	0.062%	10.126%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	1	0	0.285%	0.617%	0.000%	5,294	5,294	0	0.093%	0.362%	0.000%
TX	1	1	0	0.020%	0.022%	0.000%	474	474	0	0.002%	0.005%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.063%	0.070%	0.000%	60	60	0	0.001%	0.010%	0.000%
VT	1	1	0	0.166%	0.179%	0.000%	90	90	0	0.018%	0.040%	0.000%
WI	11	11	0	0.617%	0.624%	0.000%	5,826	5,826	0	0.144%	0.248%	0.000%
WV	1	0	1	0.248%	0.000%	0.625%	1,800	0	1,800	0.127%	0.000%	0.153%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	165	150	15	0.327%	0.325%	0.352%	8,719,965	666,040	8,053,925	3.843%	0.771%	5.732%

Table A31. Dinoseb – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 7 µg/L	29,785	5	0.017%	66,425,963	26,212	0.039%
	≥ 3.5 µg/L	29,785	6	0.020%	66,425,963	26,292	0.040%
Surface Water	> 7 µg/L	2,928	0	0.000%	116,493,427	0	0.000%
	≥ 3.5 µg/L	2,928	0	0.000%	116,493,427	0	0.000%
Combined Ground & Surface Water	> 7 µg/L	32,713	5	0.015%	182,919,390	26,212	0.014%
	≥ 3.5 µg/L	32,713	6	0.018%	182,919,390	26,292	0.014%

Table A31a. Dinoseb – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	73	39	34	0.000%	0.000%	0.000%												
AL	560	396	164	0.536%	0.505%	0.610%	0.7	0.7	1.09	1.09	1.345	1.09	1.99	1.99	1.09	1.99	1.99	1.09
AR	1,588	1,357	231	0.000%	0.000%	0.000%												
AZ	6,826	5,406	1,420	0.308%	0.314%	0.282%	0.2	0.2	0.2	0.23	0.23	0.25	0.43	0.99	0.3	1.3	1.3	0.3
CA	13,983	8,183	5,800	0.007%	0.012%	0.000%	2	2		2	2		2	2		2	2	
CO	2,527	1,849	678	0.000%	0.000%	0.000%												
CT	1,590	1,273	317	0.000%	0.000%	0.000%												
DE	826	788	38	1.695%	1.777%	0.000%	0.08	0.08		3.805	3.805		12.3	12.3		14.7	14.7	
FL	2,390	2,323	67	0.544%	0.560%	0.000%	0.05	0.05		0.1	0.1		0.1	0.1		1.3	1.3	
GA	1,433	1,355	78	0.000%	0.000%	0.000%												
HI																		
IA	1,732	1,602	130	0.000%	0.000%	0.000%												
ID	2,074	1,793	281	0.000%	0.000%	0.000%												
IL	3,182	2,648	534	0.000%	0.000%	0.000%												
IN	2,289	2,123	166	0.087%	0.094%	0.000%	0.1	0.1		0.545	0.545		0.99	0.99		0.99	0.99	
KY	1,756	444	1,312	0.399%	0.000%	0.534%	0.07		0.07	0.2		0.2	3		3	3		3
MA	2,962	2,170	792	0.338%	0.369%	0.253%	0.1	0.1	0.1	0.5	0.85	0.1	1.5	2	0.1	2	2	0.1
MD	2,494	1,700	794	0.882%	0.882%	0.882%	0.07	0.07	0.14	0.16	0.14	0.24	0.71	1.1	0.71	1.19	1.19	0.71
ME	378	317	61	0.000%	0.000%	0.000%												
MI	6,582	6,289	293	0.046%	0.048%	0.000%	0.13	0.13		0.3	0.3		0.4	0.4		0.4	0.4	
MN	4,627	4,495	132	0.000%	0.000%	0.000%												
MO	5,803	4,984	819	0.000%	0.000%	0.000%												
MT	3,192	2,910	282	0.282%	0.309%	0.000%	7.3	7.3		16	16		25	25		25	25	
NC	13,956	12,723	1,233	0.107%	0.102%	0.162%	0.2	0.2	0.3	0.32	0.32	0.31	1.6	1.6	0.32	3.1	3.1	0.32
ND	404	341	63	0.248%	0.293%	0.000%	0.71	0.71		0.71	0.71		0.71	0.71		0.71	0.71	
NE	2,220	2,143	77	0.180%	0.187%	0.000%	2.1	2.1		16.95	16.95		45	45		45	45	
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	162	144	18	0.000%	0.000%	0.000%												
NM	4,347	4,100	247	0.092%	0.098%	0.000%	1.66	1.66		1.86	1.86		2.6	2.6		2.6	2.6	
NV	1,571	1,163	408	0.064%	0.086%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
NY	2,882	2,170	712	0.069%	0.092%	0.000%	1.3	1.3		1.45	1.45		1.6	1.6		1.6	1.6	
OH	145	54	91	0.000%	0.000%	0.000%												
OK																		
OR	2,061	1,579	482	0.000%	0.000%	0.000%												
RI	740	498	242	0.000%	0.000%	0.000%												
SC	3,304	2,893	411	0.000%	0.000%	0.000%												
SD	952	842	110	0.000%	0.000%	0.000%												
TN	59	12	47	0.000%	0.000%	0.000%												
TX	2,175	1,343	832	0.092%	0.000%	0.240%	1.8		1.8	1.8		1.8	1.8		1.8	1.8		1.8
UT	7,077	5,894	1,183	0.000%	0.000%	0.000%												
VA	441	148	293	0.000%	0.000%	0.000%												
VT	1,298	1,104	194	0.154%	0.181%	0.000%	0.18	0.18		0.34	0.34		0.5	0.5		0.5	0.5	
WI	3,162	3,070	92	0.127%	0.130%	0.000%	0.1	0.1		0.2	0.2		0.2	0.2		0.2	0.2	
WV	639	334	305	0.939%	1.497%	0.328%	0.03	0.03	0.5	0.03	0.03	0.5	1	1	0.5	1	1	0.5
WY	1,241	934	307	0.000%	0.000%	0.000%												
Total	121,896	99,807	22,089	0.120%	0.120%	0.118%	0.03	0.03	0.07	0.32	0.385	0.3	9.2	10.55	3	45	45	3



Table A31b. Dinoseb – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	19	14	5	316,371	84,921	231,450	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	178	129	49	2,781,727	610,396	2,171,331	1.685%	1.550%	2.041%	0.837%	3.149%	0.187%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	918	870	48	6,045,047	2,674,456	3,370,591	0.871%	0.690%	4.167%	8.607%	3.581%	12.594%
CA	1,573	1,252	321	33,363,077	12,014,383	21,348,694	0.064%	0.080%	0.000%	0.037%	0.103%	0.000%
CO	814	595	219	4,993,497	526,588	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	730	693	37	2,605,694	278,427	2,327,267	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	254	251	3	624,615	343,215	281,400	1.181%	1.195%	0.000%	11.058%	20.124%	0.000%
FL	1,318	1,296	22	16,796,064	14,554,059	2,242,005	0.607%	0.617%	0.000%	15.506%	17.895%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	1,056	1,023	33	2,543,237	1,434,611	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	870	813	57	1,064,826	808,630	256,196	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,121	1,020	101	9,097,009	2,901,087	6,195,922	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,403	1,359	44	4,867,546	2,547,810	2,319,736	0.143%	0.147%	0.000%	0.009%	0.017%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	2.058%	0.000%	3.333%	7.436%	0.000%	8.095%
MA	645	528	117	8,509,903	1,707,521	6,802,382	0.930%	0.758%	1.709%	0.767%	0.845%	0.748%
MD	863	795	68	4,906,061	907,954	3,998,107	1.738%	1.509%	4.412%	35.528%	1.441%	43.269%
ME	216	190	26	491,237	116,848	374,389	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,918	2,857	61	7,224,067	2,044,211	5,179,856	0.103%	0.105%	0.000%	0.043%	0.151%	0.000%
MN	1,288	1,259	29	3,933,642	2,684,001	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,475	1,398	77	3,281,888	1,700,557	1,581,331	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	846	786	60	757,811	365,142	392,669	0.118%	0.127%	0.000%	0.015%	0.030%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.381%	0.314%	1.460%	0.402%	1.162%	0.146%
ND	209	182	27	559,198	253,973	305,225	0.478%	0.549%	0.000%	0.657%	1.446%	0.000%
NE	739	728	11	1,454,673	678,193	776,480	0.541%	0.549%	0.000%	1.794%	3.848%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	127	116	11	1,969,193	341,973	1,627,220	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	691	656	35	1,656,692	1,395,594	261,098	0.434%	0.457%	0.000%	5.404%	6.415%	0.000%
NV	287	266	21	960,268	270,377	689,891	0.348%	0.376%	0.000%	0.177%	0.629%	0.000%
NY	1,346	1,116	230	4,923,979	982,289	3,941,690	0.074%	0.090%	0.000%	0.034%	0.172%	0.000%
OH	37	28	9	3,029,193	99,582	2,929,611	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,088	938	150	2,937,839	573,089	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	89	80	9	900,695	160,717	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	785	725	60	3,448,394	820,701	2,627,693	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	260	239	21	622,152	262,981	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	11	5	6	648,720	144,963	503,757	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	856	702	154	18,700,247	4,013,688	14,686,559	0.117%	0.000%	0.649%	0.454%	0.000%	0.578%
UT	425	388	37	2,500,321	1,667,135	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	173	63	110	2,380,983	26,904	2,354,079	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	440	407	33	432,449	181,285	251,164	0.455%	0.491%	0.000%	0.117%	0.280%	0.000%
WI	1,406	1,386	20	3,883,613	2,191,869	1,691,744	0.284%	0.289%	0.000%	0.541%	0.958%	0.000%
WV	339	194	145	1,367,412	206,064	1,161,348	1.770%	2.577%	0.690%	0.420%	0.665%	0.377%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	32,713	29,785	2,928	182,919,390	66,425,963	116,493,427	0.266%	0.235%	0.581%	3.087%	4.513%	2.274%

Table A31c. Dinoseb – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 7 µg/L			Percent of Systems with At Least One Detection > 7 µg/L			Population Served by Systems with At Least One Detection > 7 µg/L			Percent of Population Served with At Least One Detection > 7 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	2	2	0	0.787%	0.797%	0.000%	175	175	0	0.028%	0.051%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	111	111	0	0.015%	0.030%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	0.271%	0.275%	0.000%	25,926	25,926	0	1.782%	3.823%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	5	5	0	0.015%	0.017%	0.000%	26,212	26,212	0	0.014%	0.039%	0.000%

Table A31d. Dinoseb – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 3.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 3.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 3.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 3.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	2	2	0	0.787%	0.797%	0.000%	175	175	0	0.028%	0.051%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	111	111	0	0.015%	0.030%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	3	3	0	0.406%	0.412%	0.000%	26,006	26,006	0	1.788%	3.835%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	6	6	0	0.018%	0.020%	0.000%	26,292	26,292	0	0.014%	0.040%	0.000%

Table A32. Diquat – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 20 µg/L	14,021	0	0.000%	45,472,880	0	0.000%
	≥ 10 µg/L	14,021	0	0.000%	45,472,880	0	0.000%
Surface Water	> 20 µg/L	1,574	0	0.000%	75,149,767	0	0.000%
	≥ 10 µg/L	1,574	2	0.127%	75,149,767	68,095	0.091%
Combined Ground & Surface Water	> 20 µg/L	15,595	0	0.000%	120,622,647	0	0.000%
	≥ 10 µg/L	15,595	2	0.013%	120,622,647	68,095	0.056%

Table A32a. Diquat – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	35	17	18	0.000%	0.000%	0.000%												
AL	644	452	192	0.466%	0.442%	0.521%	2.2	2.2	3.1	3.1	4.575	3.1	6.95	6.95	3.1	6.95	6.95	3.1
AR	1,568	1,329	239	0.064%	0.000%	0.418%	2		2	2		2	2		2	2		2
AZ	6,308	4,928	1,380	0.333%	0.386%	0.145%	0.4	0.4	0.41	0.6	0.6	0.41	0.99	0.99	0.41	0.99	0.99	0.41
CA	11,609	6,863	4,746	0.069%	0.058%	0.084%	0.08	4.6	0.08	4.75	5.55	4	6.9	6.6	6.9	6.9	6.6	6.9
CO	2,319	1,653	666	0.216%	0.242%	0.150%	0.5	0.5	1	1	0.95	1	2.2	2.2	1	2.2	2.2	1
CT	1,296	988	308	0.000%	0.000%	0.000%												
DE	3	0	3	0.000%		0.000%												
FL	2,352	2,288	64	0.553%	0.568%	0.000%	0.35	0.35		0.4	0.4		0.44	0.44		1.6	1.6	
GA	1,426	1,353	73	0.000%	0.000%	0.000%												
HI																		
IA	46	30	16	0.000%	0.000%	0.000%												
ID	1,248	1,034	214	0.000%	0.000%	0.000%												
IL	4,655	3,950	705	0.000%	0.000%	0.000%												
IN	2,244	2,081	163	0.134%	0.144%	0.000%	0.4	0.4		0.6	0.6		1.2	1.2		1.2	1.2	
KY	1,700	434	1,266	0.529%	0.000%	0.711%	0.4		0.4	5		5	13		13	13		13
MA	8	2	6	0.000%	0.000%	0.000%												
MD	171	12	159	0.000%	0.000%	0.000%												
ME	29	21	8	0.000%	0.000%	0.000%												
MI	38	21	17	0.000%	0.000%	0.000%												
MN																		
MO																		
MT	923	833	90	0.000%	0.000%	0.000%												
NC																		
ND	62	39	23	0.000%	0.000%	0.000%												
NE	1,529	1,477	52	0.131%	0.068%	1.923%	0.9	1.08	0.9	0.99	1.08	0.9	1.08	1.08	0.9	1.08	1.08	0.9
NH																		
NJ	1	1	0	0.000%	0.000%													
NM	4,018	3,786	232	0.199%	0.185%	0.431%	0.17	0.17	0.61	0.605	0.6	0.61	3.2	3.2	0.61	3.2	3.2	0.61
NV	1,529	1,132	397	0.523%	0.618%	0.252%	0.55	0.55	0.8	0.785	0.77	0.8	0.98	0.98	0.8	0.98	0.98	0.8
NY	83	11	72	0.000%	0.000%	0.000%												
OH	562	411	151	0.534%	0.730%	0.000%	1.11	1.11		1.27	1.27		2.32	2.32		2.32	2.32	
OK																		
OR	2,064	1,580	484	0.145%	0.190%	0.000%	0.5	0.5		0.8	0.8		9	9		9	9	
RI	4	4	0	0.000%	0.000%													
SC	2,922	2,552	370	0.240%	0.235%	0.270%	4.45	4.45	4.7	6.5	6.5	4.7	6.5	6.5	4.7	6.5	6.5	4.7
SD	799	689	110	0.000%	0.000%	0.000%												
TN	56	10	46	0.000%	0.000%	0.000%												
TX																		
UT	28	25	3	3.571%	4.000%	0.000%	8.8	8.8		8.8	8.8		8.8	8.8		8.8	8.8	
VA	128	64	64	0.781%	1.563%	0.000%	5	5		5	5		5	5		5	5	
VT	13	12	1	0.000%	0.000%	0.000%												
WI	3,162	3,070	92	0.000%	0.000%	0.000%												
WV	7	3	4	14.286%	0.000%	25.000%	5		5	5		5	5		5	5		5
WY	45	30	15	0.000%	0.000%	0.000%												
Total	55,634	43,185	12,449	0.174%	0.171%	0.185%	0.08	0.17	0.08	0.8	0.75	2	6.5	6.5	6.9	13	9	13

Table A32b. Diquat – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	10	8	2	30,714	21,750	8,964	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	182	131	51	2,870,462	617,869	2,252,593	1.648%	1.527%	1.961%	1.459%	4.717%	0.565%
AR	453	381	72	2,453,233	910,207	1,543,026	0.221%	0.000%	1.389%	0.407%	0.000%	0.648%
AZ	900	852	48	6,013,434	2,642,843	3,370,591	1.222%	1.174%	2.083%	4.339%	5.163%	3.694%
CA	1,349	1,078	271	32,447,651	11,747,715	20,699,936	0.297%	0.093%	1.107%	13.165%	0.459%	20.376%
CO	786	569	217	4,975,162	508,528	4,466,634	0.636%	0.703%	0.461%	0.273%	0.269%	0.273%
CT	647	610	37	2,587,527	260,260	2,327,267	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	1	0	1	140,000	0	140,000	0.000%		0.000%	0.000%		0.000%
FL	1,309	1,288	21	16,785,435	14,546,259	2,239,176	0.535%	0.543%	0.000%	15.701%	18.118%	0.000%
GA	296	283	13	994,603	305,252	689,351	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	3	2	1	162,167	27,550	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	562	535	27	871,773	653,881	217,892	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,148	1,048	100	9,101,501	2,906,279	6,195,222	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,403	1,359	44	4,866,756	2,547,020	2,319,736	0.214%	0.221%	0.000%	0.012%	0.024%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	2.881%	0.000%	4.667%	15.878%	0.000%	17.285%
MA	3	2	1	66,881	29,266	37,615	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MD	19	9	10	3,576,031	15,750	3,560,281	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ME	13	10	3	19,662	8,862	10,800	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	19	10	9	3,638,739	29,588	3,609,151	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN												
MO												
MT	605	557	48	685,741	309,762	375,979	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC												
ND	28	22	6	47,665	40,636	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	736	725	11	1,456,096	679,616	776,480	0.272%	0.138%	9.091%	35.791%	1.322%	65.960%
NH												
NJ	1	1	0	2,061	2,061	0	0.000%	0.000%		0.000%	0.000%	
NM	672	637	35	1,650,247	1,389,574	260,673	1.042%	0.942%	2.857%	0.680%	0.765%	0.227%
NV	287	266	21	960,007	270,116	689,891	2.439%	2.256%	4.762%	1.105%	3.466%	0.180%
NY	18	9	9	504,517	19,962	484,555	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	271	192	79	6,470,841	488,501	5,982,340	1.107%	1.563%	0.000%	0.100%	1.330%	0.000%
OK												
OR	1,083	933	150	2,937,422	572,672	2,364,750	0.185%	0.214%	0.000%	1.042%	5.343%	0.000%
RI	4	4	0	38,550	38,550	0	0.000%	0.000%		0.000%	0.000%	
SC	773	714	59	3,436,709	809,926	2,626,783	0.517%	0.420%	1.695%	0.309%	0.034%	0.394%
SD	248	227	21	614,853	255,682	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	10	5	5	645,419	144,562	500,857	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX												
UT	7	6	1	59,585	54,185	5,400	14.286%	16.667%	0.000%	0.050%	0.055%	0.000%
VA	61	39	22	735,027	31,616	703,411	1.639%	2.564%	0.000%	0.082%	1.898%	0.000%
VT	13	12	1	77,002	8,079	68,923	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WI	1,407	1,387	20	3,883,613	2,191,869	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	7	3	4	13,887	8,605	5,282	14.286%	0.000%	25.000%	3.593%	0.000%	9.447%
WY	18	14	4	189,354	2,567	186,787	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	15,595	14,021	1,574	120,622,647	45,472,880	75,149,767	0.442%	0.357%	1.207%	7.095%	6.430%	7.498%

Table A32c. Diquat – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 20 µg/L			Percent of Systems with At Least One Detection > 20 µg/L			Population Served by Systems with At Least One Detection > 20 µg/L			Percent of Population Served with At Least One Detection > 20 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN												
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC												
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH												
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A32d. Diquat – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 10 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 10 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 10 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 10 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	2	0	2	0.823%	0.000%	1.333%	68,095	0	68,095	1.476%	0.000%	1.607%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN												
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC												
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH												
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	0	2	0.013%	0.000%	0.127%	68,095	0	68,095	0.056%	0.000%	0.091%



Table A33. Endothall – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 100 µg/L	12,632	1	0.008%	44,124,258	20,000	0.045%
	≥ 50 µg/L	12,632	1	0.008%	44,124,258	20,000	0.045%
Surface Water	> 100 µg/L	1,524	2	0.131%	74,412,543	54,657	0.073%
	≥ 50 µg/L	1,524	3	0.197%	74,412,543	66,657	0.090%
Combined Ground & Surface Water	> 100 µg/L	14,156	3	0.021%	118,536,801	74,657	0.063%
	≥ 50 µg/L	14,156	4	0.028%	118,536,801	86,657	0.073%

Table A33a. Endothall – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	28	10	18	0.000%	0.000%	0.000%												
AL	530	371	159	0.000%	0.000%	0.000%												
AR	1,522	1,305	217	0.000%	0.000%	0.000%												
AZ	6,194	4,789	1,405	0.097%	0.104%	0.071%	9	9	9	9	9	9	9	9	9	9	9	9
CA	9,998	5,748	4,250	0.070%	0.052%	0.094%	5	5	55	154.2	5	162.7	548.1	450	548.1	548.1	450	548.1
CO	2,310	1,648	662	0.087%	0.121%	0.000%	5.8	5.8		5.8	5.8		5.8	5.8		5.8	5.8	
CT	22	16	6	0.000%	0.000%	0.000%												
DE	3	0	3	0.000%	0.000%	0.000%												
FL	2,355	2,289	66	0.722%	0.699%	1.515%	1.5	1.5	4.4	11.5	11.5	4.4	11.5	11.5	4.4	11.5	11.5	4.4
GA	1,427	1,354	73	0.070%	0.074%	0.000%	13.6	13.6		13.6	13.6		13.6	13.6		13.6	13.6	
HI																		
IA	47	30	17	0.000%	0.000%	0.000%												
ID	1,248	1,035	213	0.000%	0.000%	0.000%												
IL	3,014	2,627	387	0.000%	0.000%	0.000%												
IN	2,235	2,074	161	0.045%	0.048%	0.000%	14	14		14	14		14	14		14	14	
KY	1,716	442	1,274	0.466%	0.000%	0.628%	0.1		0.1	7.35		7.35	10		10	10		10
MA	10	4	6	0.000%	0.000%	0.000%												
MD	168	11	157	0.595%	0.000%	0.637%	0.21		0.21	0.21		0.21	0.21		0.21	0.21		0.21
ME	11	7	4	0.000%	0.000%	0.000%												
MI	35	21	14	0.000%	0.000%	0.000%												
MN																		
MO																		
MT	924	834	90	0.000%	0.000%	0.000%												
NC																		
ND	56	38	18	0.000%	0.000%	0.000%												
NE	35	13	22	0.000%	0.000%	0.000%												
NH																		
NJ	1	1	0	0.000%	0.000%	0.000%												
NM	4,065	3,829	236	0.000%	0.000%	0.000%												
NV	1,529	1,139	390	0.196%	0.088%	0.513%	5	5	9	9	5	9	9	5	9	9	5	9
NY	83	7	76	0.000%	0.000%	0.000%												
OH	775	588	187	0.000%	0.000%	0.000%												
OK																		
OR	2,105	1,618	487	0.048%	0.062%	0.000%	45	45		45	45		45	45		45	45	
RI	375	231	144	0.000%	0.000%	0.000%												
SC	2,929	2,533	396	0.000%	0.000%	0.000%												
SD	753	643	110	0.000%	0.000%	0.000%												
TN	56	10	46	0.000%	0.000%	0.000%												
TX																		
UT	26	25	1	3.846%	4.000%	0.000%	9.9	9.9		9.9	9.9		9.9	9.9		9.9	9.9	
VA	3	1	2	0.000%	0.000%	0.000%												
VT	12	11	1	0.000%	0.000%	0.000%												
WI	3,169	3,078	91	0.000%	0.000%	0.000%												
WV	5	3	2	0.000%	0.000%	0.000%												
WY	46	31	15	0.000%	0.000%	0.000%												
Total	49,820	38,414	11,406	0.096%	0.081%	0.149%	0.1	1.5	0.1	9.8	11.5	9	55	13.6	171.2	548.1	450	548.1

Table A33b. Endothall – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	6	4	2	22,245	13,281	8,964	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	172	126	46	3,363,471	589,449	2,774,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	910	862	48	6,050,529	2,679,938	3,370,591	0.330%	0.232%	2.083%	5.796%	1.890%	8.901%
CA	1,255	979	276	32,564,499	11,127,358	21,437,141	0.398%	0.204%	1.087%	0.271%	0.195%	0.311%
CO	787	570	217	4,975,562	508,928	4,466,634	0.127%	0.175%	0.000%	0.001%	0.012%	0.000%
CT	19	16	3	154,122	3,675	150,447	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	1	0	1	140,000	0	140,000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,308	1,287	21	16,750,864	14,511,688	2,239,176	0.841%	0.777%	4.762%	19.027%	21.261%	4.550%
GA	296	283	13	994,603	305,252	689,351	0.338%	0.353%	0.000%	2.852%	9.292%	0.000%
HI												
IA	3	2	1	162,167	27,550	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	565	538	27	871,868	653,976	217,892	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,148	1,048	100	9,104,311	2,909,089	6,195,222	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.071%	0.074%	0.000%	0.003%	0.006%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	2.469%	0.000%	4.000%	8.989%	0.000%	9.785%
MA	5	4	1	67,041	29,426	37,615	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MD	17	8	9	3,563,515	4,750	3,558,765	5.882%	0.000%	11.111%	47.986%	0.000%	48.050%
ME	7	4	3	19,558	9,484	10,074	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	18	11	7	3,597,572	29,838	3,567,734	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN												
MO												
MT	606	558	48	685,991	310,012	375,979	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC												
ND	28	22	6	47,665	40,636	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	18	8	10	791,975	15,888	776,087	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH												
NJ	1	1	0	2,061	2,061	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	671	637	34	1,654,483	1,393,835	260,648	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	288	267	21	960,447	270,556	689,891	0.694%	0.375%	4.762%	34.830%	0.055%	48.467%
NY	18	6	12	548,606	17,893	530,713	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	292	214	78	6,543,054	568,814	5,974,240	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,081	931	150	2,938,337	573,587	2,364,750	0.093%	0.107%	0.000%	0.010%	0.052%	0.000%
RI	47	38	9	889,968	149,990	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	781	721	60	3,460,504	832,811	2,627,693	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	247	226	21	600,752	241,581	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	10	5	5	645,419	144,562	500,857	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX												
UT	8	7	1	257,795	105,535	152,260	12.500%	14.286%	0.000%	0.012%	0.028%	0.000%
VA	2	1	1	5,726	650	5,076	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	12	11	1	76,640	7,717	68,923	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WI	1,406	1,386	20	3,883,588	2,191,844	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	5	3	2	11,455	8,605	2,850	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WY	19	15	4	198,034	11,247	186,787	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	14,156	12,632	1,524	118,536,801	44,124,258	74,412,543	0.233%	0.158%	0.853%	5.158%	7.222%	3.934%

Table A33c. Endothall – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 100 µg/L			Percent of Systems with At Least One Detection > 100 µg/L			Population Served by Systems with At Least One Detection > 100 µg/L			Percent of Population Served with At Least One Detection > 100 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	3	1	2	0.239%	0.102%	0.725%	74,657	20,000	54,657	0.229%	0.180%	0.255%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN												
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC												
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH												
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	3	1	2	0.021%	0.008%	0.131%	74,657	20,000	54,657	0.063%	0.045%	0.073%

Table A33d. Endothall – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 50 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 50 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 50 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 50 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	4	1	3	0.319%	0.102%	1.087%	86,657	20,000	66,657	0.266%	0.180%	0.311%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN												
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC												
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH												
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	4	1	3	0.028%	0.008%	0.197%	86,657	20,000	66,657	0.073%	0.045%	0.090%

Table A34. Endrin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 2 µg/L	29,734	1	0.003%	67,885,419	300	0.000%
	≥ 1 µg/L	29,734	2	0.007%	67,885,419	2,800	0.004%
Surface Water	> 2 µg/L	3,049	0	0.000%	116,157,743	0	0.000%
	≥ 1 µg/L	3,049	0	0.000%	116,157,743	0	0.000%
Combined Ground & Surface Water	> 2 µg/L	32,783	1	0.003%	184,043,162	300	0.000%
	≥ 1 µg/L	32,783	2	0.006%	184,043,162	2,800	0.002%

Table A34a. Endrin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	104	53	51	0.000%	0.000%	0.000%												
AL	548	402	146	0.000%	0.000%	0.000%												
AR	1,664	1,423	241	0.000%	0.000%	0.000%												
AZ	7,257	5,687	1,570	0.000%	0.000%	0.000%												
CA	14,264	8,235	6,029	0.035%	0.061%	0.000%	0.007	0.007		1.7	1.7		3.3	3.3		3.3	3.3	
CO	2,525	1,825	700	0.000%	0.000%	0.000%												
CT	1,584	1,006	578	0.442%	0.000%	1.211%	0.01		0.01	0.1		0.1	0.1		0.1		0.1	
DE	758	729	29	0.000%	0.000%	0.000%												
FL	2,396	2,329	67	0.459%	0.472%	0.000%	0.008	0.008		0.008	0.008		0.008	0.008		0.008	0.008	
GA	1,482	1,402	80	0.000%	0.000%	0.000%												
HI	2,101	2,004	97	0.000%	0.000%	0.000%												
IA	148	131	17	0.000%	0.000%	0.000%												
ID	1,742	1,484	258	0.000%	0.000%	0.000%												
IL	3,866	3,129	737	0.000%	0.000%	0.000%												
IN	2,233	2,069	164	0.000%	0.000%	0.000%												
KY	1,759	446	1,313	0.341%	0.000%	0.457%	0.001		0.001	0.3		0.3	0.5		0.5	0.5		0.5
MA	3,015	2,227	788	0.100%	0.000%	0.381%	0.01		0.01	0.01		0.01	0.01		0.01	0.01		0.01
MD	2,741	1,725	1,016	0.292%	0.000%	0.787%	0.03		0.03	0.06		0.06	0.52		0.52	0.52		0.52
ME	458	404	54	0.000%	0.000%	0.000%												
MI	6,768	6,317	451	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	5,560	4,692	868	0.036%	0.043%	0.000%	0.11	0.11		0.125	0.125		0.14	0.14		0.14	0.14	
MT	3,006	2,698	308	0.000%	0.000%	0.000%												
NC	13,597	12,464	1,133	0.066%	0.064%	0.088%	0.01	0.01	0.04	0.01	0.01	0.04	0.08	0.08	0.04	0.08	0.08	0.04
ND	410	344	66	0.488%	0.581%	0.000%	0.02	0.02		0.075	0.075		0.13	0.13		0.13	0.13	
NE	4,480	4,131	349	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	35	31	4	0.000%	0.000%	0.000%												
NM	4,357	4,107	250	0.000%	0.000%	0.000%												
NV	1,643	1,207	436	0.000%	0.000%	0.000%												
NY	2,947	2,205	742	0.000%	0.000%	0.000%												
OH	234	98	136	0.000%	0.000%	0.000%												
OK																		
OR	2,054	1,571	483	0.000%	0.000%	0.000%												
RI	601	414	187	0.333%	0.483%	0.000%	0.005	0.005		0.005	0.005		0.005	0.005		0.005	0.005	
SC	2,966	2,572	394	0.000%	0.000%	0.000%												
SD	953	844	109	0.000%	0.000%	0.000%												
TN	65	12	53	0.000%	0.000%	0.000%												
TX	11,038	5,279	5,759	0.000%	0.000%	0.000%												
UT	7,091	5,907	1,184	0.000%	0.000%	0.000%												
VA	506	178	328	0.000%	0.000%	0.000%												
VT	1,310	1,108	202	0.076%	0.090%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
WI	3,187	3,094	93	0.031%	0.032%	0.000%	0.05	0.05		0.05	0.05		0.05	0.05		0.05	0.05	
WV	646	336	310	2.167%	2.679%	1.613%	0.0025	0.0025	0.0035	0.0035	0.0035	0.01	0.5	0.5	0.5	0.5	0.5	0.5
WY	1,283	964	319	0.000%	0.000%	0.000%												
Total	134,336	105,777	28,559	0.053%	0.039%	0.105%	0.001	0.0025	0.001	0.02	0.008	0.07	0.5	0.14	0.5	3.3	3.3	0.52

Table A34b. Endrin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	16	10	6	246,416	14,306	232,110	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	181	133	48	2,794,663	636,554	2,158,109	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	450	379	71	2,447,627	905,863	1,541,764	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	949	901	48	6,081,248	2,710,657	3,370,591	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CA	1,627	1,333	294	33,812,994	12,091,504	21,721,490	0.246%	0.300%	0.000%	0.156%	0.437%	0.000%
CO	808	589	219	4,990,621	523,712	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	655	617	38	2,595,773	261,886	2,333,887	0.611%	0.000%	10.526%	17.130%	0.000%	19.052%
DE	201	198	3	628,982	347,582	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,315	1,294	21	16,791,489	14,552,313	2,239,176	0.380%	0.386%	0.000%	15.509%	17.895%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	112	100	12	1,305,882	1,251,254	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	95	93	2	238,934	99,549	139,385	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	722	675	47	978,730	742,054	236,676	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,132	1,031	101	9,103,070	2,907,148	6,195,922	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,401	1,357	44	4,866,676	2,546,940	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	1.646%	0.000%	2.667%	7.137%	0.000%	7.769%
MA	644	527	117	8,485,298	1,682,916	6,802,382	0.311%	0.000%	1.709%	0.870%	0.000%	1.086%
MD	862	794	68	4,906,096	907,989	3,998,107	0.348%	0.000%	4.412%	69.819%	0.000%	85.675%
ME	263	238	25	487,341	116,684	370,657	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,930	2,869	61	7,226,540	2,046,684	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,471	1,395	76	2,644,644	1,700,183	944,461	0.068%	0.072%	0.000%	0.004%	0.006%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.296%	0.269%	0.730%	0.135%	0.347%	0.064%
ND	208	181	27	559,142	253,917	305,225	0.962%	1.105%	0.000%	0.091%	0.200%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	31	29	2	1,076,429	142,635	933,794	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	695	659	36	1,662,962	1,400,064	262,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	291	270	21	960,972	271,081	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,348	1,117	231	4,924,821	981,544	3,943,277	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	46	36	10	3,537,892	147,360	3,390,532	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,084	934	150	2,937,104	572,354	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	86	77	9	902,061	162,083	739,978	1.163%	1.299%	0.000%	0.022%	0.123%	0.000%
SC	773	714	59	3,427,802	801,019	2,626,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	12	6	6	655,614	145,112	510,502	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,386	1,667,200	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	183	71	112	2,403,715	30,317	2,373,398	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	442	409	33	432,910	181,746	251,164	0.226%	0.244%	0.000%	0.071%	0.169%	0.000%
WI	1,410	1,390	20	3,883,918	2,192,174	1,691,744	0.071%	0.072%	0.000%	0.001%	0.002%	0.000%
WV	343	196	147	1,368,815	204,156	1,164,659	3.499%	4.592%	2.041%	0.829%	0.971%	0.804%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	32,783	29,734	3,049	184,043,162	67,885,419	116,157,743	0.143%	0.101%	0.558%	3.777%	3.927%	3.690%



Table A34c. Endrin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 2 µg/L			Percent of Systems with At Least One Detection > 2 µg/L			Population Served by Systems with At Least One Detection > 2 µg/L			Percent of Population Served with At Least One Detection > 2 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.061%	0.075%	0.000%	300	300	0	0.001%	0.002%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	1	0	0.003%	0.003%	0.000%	300	300	0	0.000%	0.000%	0.000%

Table A34d. Endrin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	2	2	0	0.123%	0.150%	0.000%	2,800	2,800	0	0.008%	0.023%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	2	0	0.006%	0.007%	0.000%	2,800	2,800	0	0.002%	0.004%	0.000%

Table A35. Ethylbenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 700 µg/L	46,190	0	0.000%	86,398,177	0	0.000%
	≥ 350 µg/L	46,190	2	0.004%	86,398,177	5,961	0.007%
Surface Water	> 700 µg/L	4,257	0	0.000%	140,541,198	0	0.000%
	≥ 350 µg/L	4,257	0	0.000%	140,541,198	0	0.000%
Combined Ground & Surface Water	> 700 µg/L	50,447	0	0.000%	226,939,375	0	0.000%
	≥ 350 µg/L	50,447	2	0.004%	226,939,375	5,961	0.003%

Table A35a. Ethylbenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,385	2,220	1,165	3.663%	1.532%	7.725%	0.1	0.1	0.22	1.205	0.655	2.175	47.4	2.21	66.3	97.5	15	97.5
AL	849	622	227	4.594%	5.627%	1.762%	0.5	0.5	0.5	0.97	0.97	0.95	8.99	8.99	4.1	25.6	25.6	4.1
AR	2,394	1,926	468	3.133%	3.738%	0.641%	0.11	0.11	0.2	0.62	0.635	0.61	2.11	2.11	0.75	6.62	6.62	0.75
AZ	11,711	9,547	2,164	1.272%	1.288%	1.201%	0.5	0.5	0.5	1	1	1	3.3	2.5	6.1	66	35	66
CA	86,361	45,803	40,558	0.076%	0.079%	0.074%	0.5	0.5	0.52	0.975	0.7	1.165	11.8	12	10.55	21	21	18.6
CO	2,910	2,154	756	2.474%	2.228%	3.175%	0.08	0.08	0.3	0.88	0.82	1.1	10	17	2.7	63	63	3.5
CT	6,944	6,053	891	0.403%	0.463%	0.000%	0.6	0.6		1.2	1.2		5.4	5.4		9.4	9.4	
DE	1,051	1,021	30	1.903%	1.959%	0.000%	0.51	0.51		2.84	2.84		23.4	23.4		52.8	52.8	
FL	4,190	4,122	68	2.411%	2.450%	0.000%	0.06	0.06		0.81	0.81		3.1	3.1		250	250	
GA	7,175	6,348	827	1.519%	1.670%	0.363%	0.5	0.5	0.53	0.88	0.875	1	3.2	3.2	1.1	10	10	1.1
HI	1,790	1,687	103	0.000%	0.000%	0.000%												
IA	1,942	1,811	131	3.038%	2.982%	3.817%	0.1	0.1	0.6	0.9	0.85	0.9	3.6	2.5	7.2	7.2	6.6	7.2
ID	3,740	3,279	461	0.107%	0.091%	0.217%	0.3	0.3	1.5	1.165	0.83	1.5	1.6	1.6	1.5	1.6	1.6	1.5
IL	7,071	6,511	560	1.542%	1.659%	0.179%	0.5	0.5	0.53	0.8	0.8	0.53	2.22	2.22	0.53	12.5	12.5	0.53
IN	4,621	4,311	310	0.346%	0.348%	0.323%	0.6	0.6	0.97	0.9	0.9	0.97	3.9	3.9	0.97	9.7	9.7	0.97
KY	3,311	1,127	2,184	1.268%	1.154%	1.328%	0.002	0.2	0.002	0.6	0.8	0.5	2.4	8.2	1	14	14	3
MA	16,249	12,259	3,990	0.302%	0.302%	0.301%	0.5	0.5	0.52	1.1	1	1.495	2.7	1.9	3.12	33	6	33
MD	6,774	5,512	1,262	1.491%	1.796%	0.158%	0.1	0.1	0.8	1.1	1.2	0.8	3.9	4	0.8	13.7	13.7	0.8
ME	3,702	3,383	319	0.378%	0.236%	1.881%	0.5	0.5	0.5	0.75	0.65	0.95	6.7	8.5	1.5	8.5	8.5	1.5
MI	10,752	9,742	1,010	0.419%	0.328%	1.287%	0.5	0.5	0.5	1	0.9	1.3	3.2	3.2	2.6	13.3	13.3	3.2
MN	8,620	7,363	1,257	2.378%	1.779%	5.887%	0.2	0.2	0.2	0.3	0.4	0.3	1.4	1.4	1.4	29	29	15
MO	7,543	6,694	849	1.180%	1.285%	0.353%	0.5	0.5	0.5	1	1	1.72	3.3	2.96	3.88	42.5	42.5	3.88
MT	4,493	3,954	539	0.690%	0.632%	1.113%	0.54	0.54	0.66	1.4	1.8	1.3	6	6	1.6	17.9	17.9	1.6
NC	19,062	17,483	1,579	3.200%	3.443%	0.507%	0.5	0.5	0.5	1.1	1.1	0.925	6.2	6.2	5.19	557	557	5.19
ND	568	432	136	1.937%	2.546%	0.000%	0.54	0.54		0.96	0.96		2.59	2.59		39	39	
NE	6,840	6,264	576	0.102%	0.112%	0.000%	0.96	0.96		2.2	2.2		5.3	5.3		5.3	5.3	
NH	9,583	9,105	478	0.292%	0.308%	0.000%	0.38	0.38		1	1		10	10		24	24	
NJ	20,327	18,543	1,784	0.497%	0.518%	0.280%	0.1	0.1	0.2	0.6	0.6	0.5	3	3	0.9	72	72	0.9
NM	6,572	6,097	475	0.700%	0.689%	0.842%	0.12	0.12	0.17	0.725	0.795	0.3	4.4	4.4	0.68	15.9	15.9	0.68
NV	3,210	2,578	632	0.405%	0.388%	0.475%	0.7	0.7	1.65	1.7	2.05	1.65	5.8	9.25	2.16	12.7	12.7	2.16
NY	7,140	5,465	1,675	0.756%	0.732%	0.836%	0.5	0.5	0.5	0.95	0.9	0.95	5	5.3	1.93	12	11.2	12
OH	8,848	7,688	1,160	0.972%	1.067%	0.345%	0.5	0.5	0.52	1.5	1.505	0.7	6.74	6.74	2	105	105	2
OK	5,355	3,958	1,397	1.737%	1.920%	1.217%	0.3	0.3	0.5	1	0.95	1	4.3	5.2	2.57	23.3	23.3	4.5
OR	2,328	1,685	643	0.301%	0.119%	0.778%	0.5	0.5	0.5	0.51	0.6	0.51	1.1	0.7	1.1	1.1	0.7	1.1
RI	1,959	1,591	368	0.306%	0.189%	0.815%	2	2	4.2	3.35	2.5	4.29	7.9	2.5	7.9	7.9	2.5	7.9
SC	4,342	3,805	537	0.599%	0.657%	0.186%	0.1	0.1	1.67	1	1	1.67	3.17	3.17	1.67	6.61	6.61	1.67
SD	889	855	34	0.225%	0.234%	0.000%	0.21	0.21		0.28	0.28		0.35	0.35		0.35	0.35	
TN	2,935	1,163	1,772	0.102%	0.086%	0.113%	0.5	0.8	0.5	0.56	0.8	0.53	0.8	0.8	0.56	0.8	0.8	0.56
TX	34,219	27,101	7,118	2.686%	3.000%	1.489%	0.5	0.5	0.5	1	1	0.965	4.4	5.1	3.1	386.07	386.07	8.1
UT	8,990	7,559	1,431	0.178%	0.132%	0.419%	0.6	0.6	1.2	2.8	4.3	1.4	9	9	85	85	9	85
VA	4,930	4,057	873	2.535%	2.835%	1.145%	0.5	0.5	0.5	1.2	1.1	1.55	4.8	4.3	7.45	64	64	9.1
VT	4,357	3,963	394	0.230%	0.202%	0.508%	0.2	0.2	3.4	1.85	1.25	3.9	4.7	5	4.4	5	5	4.4
WI	11,297	11,173	124	0.894%	0.904%	0.000%	0.02	0.02		0.31	0.31		2.5	2.5		340	340	
WV	1,149	449	700	2.089%	3.563%	1.143%	0.09	0.09	0.4	0.5	0.5	0.6	1	0.6	1.4	1.4	0.8	1.4
WY	1,663	1,159	504	1.022%	1.381%	0.198%	0.3	0.43	0.3	0.7	0.705	0.3	3	3	0.3	3.9	3.9	0.3
Total	374,141	289,622	84,519	1.030%	1.146%	0.629%	0.002	0.02	0.002	0.9	0.9	0.9	4.6	4.4	6	557	557	97.5

Table A35b. Ethylbenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	5.806%	3.165%	14.384%	4.748%	5.660%	4.180%
AL	264	203	61	4,219,181	1,124,093	3,095,088	10.606%	12.315%	4.918%	6.592%	13.500%	4.082%
AR	454	382	72	2,453,348	910,322	1,543,026	7.489%	8.377%	2.778%	3.025%	6.791%	0.803%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	5.382%	4.847%	16.667%	52.627%	38.355%	64.466%
CA	3,661	3,144	517	35,830,513	13,518,052	22,312,461	1.120%	0.763%	3.288%	17.451%	4.104%	25.538%
CO	827	606	221	4,997,906	530,272	4,467,634	5.200%	5.776%	3.620%	1.829%	5.953%	1.339%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.829%	0.856%	0.000%	0.145%	1.016%	0.000%
DE	318	315	3	698,987	417,587	281,400	4.717%	4.762%	0.000%	16.911%	28.307%	0.000%
FL	1,513	1,487	26	17,497,981	15,251,939	2,246,042	3.106%	3.161%	0.000%	3.137%	3.598%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	3.403%	3.517%	1.724%	2.981%	8.161%	1.581%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,057	1,024	33	2,543,315	1,434,689	1,108,626	3.595%	3.320%	12.121%	1.917%	2.638%	0.984%
ID	935	878	57	1,093,666	837,604	256,062	0.428%	0.342%	1.754%	0.139%	0.119%	0.205%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	3.429%	3.623%	0.962%	1.333%	3.920%	0.074%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.543%	0.490%	2.273%	2.452%	4.660%	0.004%
KY	241	92	149	4,602,392	375,363	4,227,029	10.788%	8.696%	12.081%	13.326%	6.332%	13.947%
MA	718	600	118	8,557,325	1,749,901	6,807,424	3.482%	2.667%	7.627%	4.208%	9.722%	2.791%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	4.459%	4.564%	2.941%	1.377%	5.955%	0.203%
ME	810	757	53	728,347	292,773	435,574	0.988%	0.925%	1.887%	19.099%	0.739%	31.440%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.908%	0.687%	11.475%	51.990%	13.190%	66.805%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	7.080%	6.186%	53.333%	19.959%	20.810%	17.907%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	3.881%	3.881%	3.896%	3.753%	5.885%	1.012%
MT	848	788	60	757,949	365,280	392,669	1.061%	0.888%	3.333%	1.153%	1.876%	0.481%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	10.689%	11.176%	2.878%	6.380%	17.652%	2.670%
ND	210	183	27	562,397	257,172	305,225	2.857%	3.279%	0.000%	1.121%	2.452%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.778%	0.789%	0.000%	0.502%	1.071%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	1.351%	1.397%	0.000%	0.902%	2.144%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	4.149%	4.115%	5.405%	3.992%	8.958%	1.317%
NM	727	688	39	1,698,980	1,432,432	266,548	3.301%	3.052%	7.692%	32.666%	37.712%	5.548%
NV	338	317	21	973,592	283,701	689,891	2.367%	1.893%	9.524%	1.577%	4.550%	0.354%
NY	1,526	1,290	236	4,895,109	1,044,507	3,850,602	2.556%	2.093%	5.085%	6.497%	2.627%	7.547%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	1.595%	1.649%	0.800%	0.155%	0.441%	0.028%
OK	718	506	212	3,119,686	660,832	2,458,854	5.432%	5.929%	4.245%	1.630%	4.409%	0.884%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.547%	0.212%	2.632%	0.228%	0.123%	0.253%
RI	145	136	9	913,884	173,906	739,978	3.448%	1.471%	33.333%	20.600%	24.496%	19.685%
SC	819	757	62	3,356,831	732,879	2,623,952	2.442%	2.510%	1.613%	1.410%	6.393%	0.019%
SD	245	233	12	266,416	194,218	72,198	0.408%	0.429%	0.000%	1.342%	1.840%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.855%	0.617%	1.058%	0.770%	0.597%	0.830%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	10.402%	9.980%	16.082%	28.175%	33.148%	25.252%
UT	500	454	46	2,553,197	1,698,877	854,320	1.600%	1.322%	4.348%	8.073%	2.787%	18.586%
VA	1,600	1,429	171	5,273,258	630,675	4,642,583	3.375%	3.429%	2.924%	2.493%	10.486%	1.407%
VT	603	560	43	491,035	227,067	263,968	1.327%	1.250%	2.326%	0.622%	1.022%	0.278%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	3.083%	3.118%	0.000%	9.091%	15.642%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	5.459%	6.173%	4.375%	3.093%	3.209%	3.070%
WY	304	256	48	446,177	129,229	316,948	4.276%	4.688%	2.083%	5.933%	2.809%	7.207%
Total	50,447	46,190	4,257	226,939,375	86,398,177	140,541,198	3.909%	3.750%	5.638%	11.857%	10.518%	12.681%

Table A35c. Ethylbenzene – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 700 µg/L			Percent of Systems with At Least One Detection > 700 µg/L			Population Served by Systems with At Least One Detection > 700 µg/L			Percent of Population Served with At Least One Detection > 700 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A35d. Ethylbenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 350 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 350 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 350 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 350 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	45	45	0	0.001%	0.003%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	1	0	0.020%	0.022%	0.000%	5,916	5,916	0	0.024%	0.064%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	2	0	0.004%	0.004%	0.000%	5,961	5,961	0	0.003%	0.007%	0.000%

Table A36. Ethylene dibromide (EDB) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.05 µg/L	33,245	67	0.202%	72,299,607	449,648	0.622%
	≥ 0.025 µg/L	33,245	96	0.289%	72,299,607	1,143,149	1.581%
Surface Water	> 0.05 µg/L	2,970	21	0.707%	115,854,308	1,810,412	1.563%
	≥ 0.025 µg/L	2,970	26	0.875%	115,854,308	1,894,232	1.635%
Combined Ground & Surface Water	> 0.05 µg/L	36,215	88	0.243%	188,153,915	2,260,060	1.201%
	≥ 0.025 µg/L	36,215	122	0.337%	188,153,915	3,037,381	1.614%



Table A36a. Ethylene dibromide (EDB) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1,457	930	527	0.000%	0.000%	0.000%												
AL	652	482	170	2.914%	2.697%	3.529%	0.00139	0.00139	0.02	0.17	0.24	0.155	0.32	0.31	0.35	0.35	0.32	0.35
AR	4,115	3,375	740	0.122%	0.148%	0.000%	0.00292	0.00292		0.02	0.02		0.03	0.03		0.03	0.03	
AZ	6,234	4,842	1,392	0.225%	0.186%	0.359%	0.01	0.01	0.01	0.01	0.01	0.01	0.42	0.42	0.5	0.5	0.42	0.5
CA	48,322	27,484	20,838	2.038%	1.754%	2.414%	0.01	0.01	0.01	0.04	0.03	0.05	0.19	0.29	0.16	0.5	0.5	0.46
CO	2,576	1,880	696	0.272%	0.319%	0.144%	0.01	0.01	0.02	0.13	0.15	0.02	0.4	0.4	0.02	0.4	0.4	0.02
CT	1,500	1,168	332	1.000%	0.599%	2.410%	0.02	0.02	0.02	0.03	0.08	0.02	0.19	0.12	0.19	0.19	0.12	0.19
DE	2,273	2,213	60	0.176%	0.181%	0.000%	0.03	0.03		0.04	0.04		0.06	0.06		0.06	0.06	
FL	2,438	2,373	65	0.738%	0.759%	0.000%	0.003	0.003		0.008	0.008		0.1	0.1		0.11	0.11	
GA	8,860	7,955	905	0.023%	0.025%	0.000%	0.02	0.02		0.02	0.02		0.02	0.02		0.02	0.02	
HI	3,057	2,966	91	0.262%	0.270%	0.000%	0.01	0.01		0.11	0.11		0.19	0.19		0.19	0.19	
IA	85	68	17	0.000%	0.000%	0.000%												
ID	1,793	1,571	222	0.279%	0.318%	0.000%	0.01	0.01		0.05	0.05		0.06	0.06		0.06	0.06	
IL	3,942	3,490	452	0.000%	0.000%	0.000%												
IN	2,271	2,093	178	0.088%	0.048%	0.562%	0.01	0.01	0.03	0.02	0.01	0.03	0.03	0.01	0.03	0.03	0.01	0.03
KY	1,724	433	1,291	0.928%	0.000%	1.239%	0.01		0.01	0.02		0.02	0.02		0.02	0.03		0.03
MA	3,022	2,160	862	0.232%	0.093%	0.580%	0.01	0.01	0.02	0.02	0.015	0.02	0.02	0.02	0.02	0.02	0.02	0.02
MD																		
ME	2,194	2,036	158	0.000%	0.000%	0.000%												
MI	5,362	4,847	515	0.000%	0.000%	0.000%												
MN	8,585	7,336	1,249	0.000%	0.000%	0.000%												
MO	7,543	6,694	849	0.000%	0.000%	0.000%												
MT	1,196	1,080	116	0.000%	0.000%	0.000%												
NC	12,730	11,856	874	0.479%	0.489%	0.343%	0.01	0.01	0.09	0.09	0.085	0.1	0.29	0.29	0.36	1.1	1.1	0.36
ND	70	45	25	0.000%	0.000%	0.000%												
NE	9,184	8,526	658	0.327%	0.352%	0.000%	0.01	0.01		0.02	0.02		0.065	0.065		0.08	0.08	
NH	4,043	3,874	169	0.000%	0.000%	0.000%												
NJ	19,718	18,259	1,459	0.036%	0.038%	0.000%	0.0017	0.0017		0.07	0.07		0.5	0.5		0.5	0.5	
NM	942	883	59	0.106%	0.113%	0.000%	0.01	0.01		0.01	0.01		0.01	0.01		0.01	0.01	
NV	2,386	1,875	511	0.042%	0.000%	0.196%	0.02		0.02	0.02		0.02	0.02		0.02			0.02
NY	478	336	142	0.628%	0.595%	0.704%	0.00293	0.00293	0.03	0.0031	0.00302	0.03	0.03	0.0031	0.03	0.03	0.0031	0.03
OH	43	12	31	0.000%	0.000%	0.000%												
OK																		
OR	2,048	1,565	483	0.195%	0.256%	0.000%	0.01	0.01		0.475	0.475		1.6	1.6		1.6	1.6	
RI	2,253	1,777	476	0.000%	0.000%	0.000%												
SC	3,243	2,789	454	2.158%	2.331%	1.101%	0.00329	0.00329	0.5	0.185	0.18	0.5	0.5	0.5	0.5	0.5	0.5	0.5
SD	1,492	1,366	126	0.000%	0.000%	0.000%												
TN	53	11	42	0.000%	0.000%	0.000%												
TX	34,144	27,040	7,104	0.000%	0.000%	0.000%												
UT	11	11	0	0.000%	0.000%	0.000%												
VA	446	214	232	0.000%	0.000%	0.000%												
VT	1,387	1,218	169	0.144%	0.164%	0.000%	0.005	0.005		0.0075	0.0075		0.01	0.01		0.01	0.01	
WI	2,909	2,878	31	0.413%	0.417%	0.000%	0.01	0.01		0.015	0.015		0.09	0.09		0.23	0.23	
WV	685	358	327	1.460%	1.955%	0.917%	0.0027	0.0027	0.01	0.01	0.0027	0.01	0.255	0.01	0.5	0.5	0.01	0.5
WY	1,331	1,002	329	0.075%	0.100%	0.000%	0.2	0.2		0.2	0.2		0.2	0.2		0.2	0.2	
Total	218,797	173,371	45,426	0.598%	0.433%	1.228%	0.00139	0.00139	0.01	0.04	0.04	0.04	0.23	0.33	0.16	1.6	1.6	0.5

Table A36b. Ethylene dibromide (EDB) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	572	430	142	594,149	222,065	372,084	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	187	139	48	2,890,272	733,275	2,156,997	6.417%	5.036%	10.417%	9.190%	8.243%	9.512%
AR	454	382	72	2,453,348	910,322	1,543,026	1.101%	1.309%	0.000%	0.849%	2.288%	0.000%
AZ	933	885	48	6,055,029	2,684,438	3,370,591	0.750%	0.565%	4.167%	29.211%	3.544%	49.652%
CA	2,190	1,888	302	34,482,521	12,806,498	21,676,023	2.055%	1.642%	4.636%	19.134%	8.069%	25.672%
CO	819	600	219	4,994,387	529,503	4,464,884	0.366%	0.333%	0.457%	0.263%	0.174%	0.273%
CT	711	673	38	2,608,625	274,738	2,333,887	0.703%	0.446%	5.263%	5.066%	5.074%	5.065%
DE	332	329	3	707,346	425,946	281,400	0.301%	0.304%	0.000%	0.031%	0.052%	0.000%
FL	1,313	1,292	21	16,794,862	14,555,686	2,239,176	0.609%	0.619%	0.000%	15.521%	17.909%	0.000%
GA	1,825	1,709	116	7,485,941	1,593,160	5,892,781	0.055%	0.059%	0.000%	0.002%	0.008%	0.000%
HI	109	97	12	1,300,349	1,245,721	54,628	2.752%	3.093%	0.000%	14.572%	15.211%	0.000%
IA	37	36	1	187,920	53,303	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	657	630	27	929,336	710,707	218,629	0.304%	0.317%	0.000%	0.452%	0.591%	0.000%
IL	1,369	1,265	104	9,186,672	2,986,275	6,200,397	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.143%	0.074%	2.273%	0.055%	0.043%	0.069%
KY	243	93	150	4,612,320	375,460	4,236,860	4.115%	0.000%	6.667%	12.719%	0.000%	13.846%
MA	634	523	111	8,407,483	1,680,317	6,727,166	0.946%	0.382%	3.604%	2.149%	0.954%	2.447%
MD												
ME	741	688	53	719,849	284,275	435,574	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,035	1,975	60	6,883,399	1,707,109	5,176,290	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	646	596	50	693,590	318,486	375,104	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,361	2,228	133	6,786,602	1,733,551	5,053,051	0.932%	0.853%	2.256%	1.389%	1.137%	1.475%
ND	28	22	6	47,665	40,636	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	773	762	11	1,462,281	685,801	776,480	0.776%	0.787%	0.000%	0.764%	1.630%	0.000%
NH	1,214	1,196	18	614,066	395,955	218,111	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	1,397	1,360	37	7,747,090	2,711,144	5,035,946	0.501%	0.515%	0.000%	1.015%	2.902%	0.000%
NM	282	267	15	1,419,356	1,213,960	205,396	0.355%	0.375%	0.000%	3.662%	4.282%	0.000%
NV	312	292	20	968,859	279,060	689,799	0.321%	0.000%	5.000%	5.832%	0.000%	8.191%
NY	312	235	77	1,292,868	350,979	941,889	0.641%	0.426%	1.299%	1.069%	0.480%	1.288%
OH	11	5	6	2,733,428	92,894	2,640,534	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,083	933	150	2,937,054	572,304	2,364,750	0.185%	0.214%	0.000%	0.316%	1.622%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	783	723	60	3,445,274	811,841	2,633,433	3.831%	3.734%	5.000%	9.745%	8.558%	10.111%
SD	292	271	21	655,146	295,975	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	9	5	4	590,798	109,942	480,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	2	2	0	23,030	23,030	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	177	82	95	2,172,380	34,176	2,138,204	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	462	428	34	448,513	197,148	251,365	0.433%	0.467%	0.000%	0.169%	0.384%	0.000%
WI	768	757	11	2,848,014	1,599,536	1,248,478	0.391%	0.396%	0.000%	0.038%	0.068%	0.000%
WV	341	196	145	1,370,807	206,634	1,164,173	2.346%	3.571%	0.690%	0.414%	0.633%	0.376%
WY	304	256	48	446,177	129,229	316,948	0.329%	0.391%	0.000%	0.022%	0.077%	0.000%
Total	36,215	33,245	2,970	188,153,915	72,299,607	115,854,308	0.538%	0.442%	1.616%	6.924%	5.930%	7.544%

Table A36c. Ethylene dibromide (EDB) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.05 µg/L			Percent of Systems with At Least One Detection > 0.05 µg/L			Population Served by Systems with At Least One Detection > 0.05 µg/L			Percent of Population Served with At Least One Detection > 0.05 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	7	3	4	3.743%	2.158%	8.333%	195,362	11,114	184,248	6.759%	1.516%	8.542%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	3	2	1	0.322%	0.226%	2.083%	165,250	25,250	140,000	2.729%	0.941%	4.154%
CA	18	10	8	0.822%	0.530%	2.649%	1,342,592	278,791	1,063,801	3.894%	2.177%	4.908%
CO	2	2	0	0.244%	0.333%	0.000%	920	920	0	0.018%	0.174%	0.000%
CT	2	1	1	0.281%	0.149%	2.632%	77,279	77	77,202	2.962%	0.028%	3.308%
DE	1	1	0	0.301%	0.304%	0.000%	222	222	0	0.031%	0.052%	0.000%
FL	1	1	0	0.076%	0.077%	0.000%	1,248	1,248	0	0.007%	0.009%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	1	1	0	0.917%	1.031%	0.000%	60	60	0	0.005%	0.005%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	1	1	0	0.152%	0.159%	0.000%	88	88	0	0.009%	0.012%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD												
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	12	9	3	0.508%	0.404%	2.256%	83,394	8,868	74,526	1.229%	0.512%	1.475%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	0.259%	0.262%	0.000%	215	215	0	0.015%	0.031%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	5	5	0	0.358%	0.368%	0.000%	48,877	48,877	0	0.631%	1.803%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	2	2	0	0.185%	0.214%	0.000%	9,281	9,281	0	0.316%	1.622%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	28	25	3	3.576%	3.458%	5.000%	330,413	64,152	266,261	9.590%	7.902%	10.111%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.130%	0.132%	0.000%	385	385	0	0.014%	0.024%	0.000%
WV	1	0	1	0.293%	0.000%	0.690%	4,374	0	4,374	0.319%	0.000%	0.376%
WY	1	1	0	0.329%	0.391%	0.000%	100	100	0	0.022%	0.077%	0.000%
Total	88	67	21	0.243%	0.202%	0.707%	2,260,060	449,648	1,810,412	1.201%	0.622%	1.563%

Table A36d. Ethylene dibromide (EDB) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.025 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.025 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.025 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.025 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	8	4	4	4.278%	2.878%	8.333%	222,140	37,892	184,248	7.686%	5.168%	8.542%
AR	2	2	0	0.441%	0.524%	0.000%	790	790	0	0.032%	0.087%	0.000%
AZ	3	2	1	0.322%	0.226%	2.083%	165,250	25,250	140,000	2.729%	0.941%	4.154%
CA	33	24	9	1.507%	1.271%	2.980%	1,801,652	737,351	1,064,301	5.225%	5.758%	4.910%
CO	2	2	0	0.244%	0.333%	0.000%	920	920	0	0.018%	0.174%	0.000%
CT	3	2	1	0.422%	0.297%	2.632%	90,986	13,784	77,202	3.488%	5.017%	3.308%
DE	1	1	0	0.301%	0.304%	0.000%	222	222	0	0.031%	0.052%	0.000%
FL	2	2	0	0.152%	0.155%	0.000%	2,548	2,548	0	0.015%	0.018%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	135	135	0	0.002%	0.008%	0.000%
HI	2	2	0	1.835%	2.062%	0.000%	173,489	173,489	0	13.342%	13.927%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	1	1	0	0.152%	0.159%	0.000%	88	88	0	0.009%	0.012%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	1	0	1	0.071%	0.000%	2.273%	1,600	0	1,600	0.033%	0.000%	0.069%
KY	1	0	1	0.412%	0.000%	0.667%	13,084	0	13,084	0.284%	0.000%	0.309%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD												
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	15	12	3	0.635%	0.539%	2.256%	85,845	11,319	74,526	1.265%	0.653%	1.475%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	5	5	0	0.647%	0.656%	0.000%	11,076	11,076	0	0.757%	1.615%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	5	5	0	0.358%	0.368%	0.000%	48,877	48,877	0	0.631%	1.803%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	0	1	0.321%	0.000%	5.000%	56,500	0	56,500	5.832%	0.000%	8.191%
NY	1	0	1	0.321%	0.000%	1.299%	12,136	0	12,136	0.939%	0.000%	1.288%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	2	2	0	0.185%	0.214%	0.000%	9,281	9,281	0	0.316%	1.622%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	29	26	3	3.704%	3.596%	5.000%	335,703	69,442	266,261	9.744%	8.554%	10.111%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	2	2	0	0.260%	0.264%	0.000%	585	585	0	0.021%	0.037%	0.000%
WV	1	0	1	0.293%	0.000%	0.690%	4,374	0	4,374	0.319%	0.000%	0.376%
WY	1	1	0	0.329%	0.391%	0.000%	100	100	0	0.022%	0.077%	0.000%
Total	122	96	26	0.337%	0.289%	0.875%	3,037,381	1,143,149	1,894,232	1.614%	1.581%	1.635%

Table A37. Fluoride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 4 mg/L	44,577	493	1.106%	85,996,458	1,341,331	1.560%
	≥ 2 mg/L	44,577	2,298	5.155%	85,996,458	6,344,789	7.378%
Surface Water	> 4 mg/L	4,023	26	0.646%	147,572,741	1,481,883	1.004%
	≥ 2 mg/L	4,023	146	3.629%	147,572,741	5,108,236	3.462%
Combined Ground & Surface Water	> 4 mg/L	48,600	519	1.068%	233,569,199	2,823,214	1.209%
	≥ 2 mg/L	48,600	2,444	5.029%	233,569,199	11,453,025	4.903%

Table A37a. Fluoride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	901	640	261	32.075%	32.969%	29.885%	0.0001	0.0001	0.0001	0.16	0.15	0.62	1.05	0.7	1.28	1.42	1.3	1.42
AL	2,688	1,812	876	58.705%	48.455%	79.909%	0.00059	0.00059	0.00084	0.82	0.66	0.9	1.25	1.31	1.2	10.1	7.76	10.1
AR	10,058	6,994	3,064	87.940%	88.805%	85.966%	0.08	0.08	0.2	0.88	0.88	0.88	1.18	1.27	1.09	17	17	3.8
AZ	6,648	5,260	1,388	89.576%	88.707%	92.867%	0.005	0.005	0.01	0.5	0.51	0.48	2.47	2.9	1	12.1	12.1	3.3
CA	58,593	32,674	25,919	81.648%	81.585%	81.728%	0.00019	0.00019	0.0011	0.42	0.47	0.39	1.54	2.1	0.99	27	27	22
CO	4,444	2,421	2,023	83.686%	88.104%	78.398%	0.00344	0.00344	0.03	0.8	0.92	0.68	2.1	2.4	1.6	17.7	17.7	6.1
CT	2,597	1,869	728	53.331%	51.471%	58.104%	0.01	0.01	0.01	0.24	0.2	0.81	1	0.72	1.05	7.1	7.1	1.91
DE	2,983	2,753	230	56.755%	53.505%	95.652%	0.04	0.04	0.1	0.68	0.62	0.84	1.09	1.08	1.115	20.8	19.4	20.8
FL	2,581	2,447	134	81.209%	80.466%	94.776%	0.01	0.01	0.03	0.35	0.32	0.71	0.93	0.93	0.94	6.5	6.5	1.1
GA	3,606	2,965	641	74.542%	71.332%	89.392%	0.12	0.12	0.2	0.54	0.44	0.91	1.1	1	1.2	16	16	4.1
HI	3,166	3,075	91	22.110%	22.764%	0.000%	0.2	0.2		0.25	0.25		0.64	0.64		2.1	2.1	
IA	7,062	6,002	1,060	97.890%	97.617%	99.434%	0.1	0.1	0.14	0.96	0.93	1.02	1.24	1.24	1.22	12.02	12.02	1.79
ID	2,968	2,664	304	72.776%	72.222%	77.632%	0.0003	0.0003	0.08	0.45	0.45	0.415	1.2	1.2	1.29	16.7	16.7	5.93
IL	3,714	3,309	405	96.230%	95.981%	98.272%	0.00016	0.00016	0.00096	0.96	0.96	0.995	1.46	1.51	1.2	25.3	25.3	1.86
IN	4,327	3,824	503	86.804%	86.166%	91.650%	0.00014	0.00014	0.05	0.79	0.71	0.93	1.3	1.3	1.2	5.3	5.3	3.42
KY	1,824	540	1,284	90.461%	85.000%	92.757%	0.0084	0.07	0.0084	0.97	0.95	0.97	1.24	1.9	1.2	17	4	17
MA	3,085	2,073	1,012	59.514%	56.343%	66.008%	0.01	0.01	0.01	0.3	0.24	0.81	1.2	1.25	1.2	29.2	18.1	29.2
MD	3,598	2,687	911	70.873%	73.093%	64.325%	0.02	0.02	0.05	0.53	0.4	0.88	1.71	1.98	1.08	4.8	4.8	2.3
ME	18,472	9,690	8,782	90.911%	85.717%	96.641%	0.03	0.1	0.03	1.22	1.21	1.23	1.44	1.44	1.44	22	22	3.1
MI	26,113	25,390	723	89.871%	89.740%	94.467%	0.05	0.05	0.1	0.3	0.3	0.9	1	1	1.2	21.9	21.9	1.8
MN	22,948	22,149	799	98.775%	98.740%	99.750%	0.1	0.1	0.11	1.1	1.1	1.1	1.5	1.5	1.3	24	24	2.9
MO	33,121	22,199	10,922	89.937%	86.166%	97.601%	0.01	0.01	0.02	1	1.01	1	1.28	1.31	1.2	31.1	31.1	3.44
MT	3,320	2,762	558	84.307%	83.309%	89.247%	0.008	0.008	0.02	0.35	0.3	0.75	1.58	2.05	1.16	10.4	10.4	2.05
NC	9,333	7,878	1,455	62.049%	59.216%	77.388%	0.0017	0.0017	0.03	0.31	0.23	0.94	1.17	1.11	1.2	14	14	2.98
ND	411	319	92	100.000%	100.000%	100.000%	0.05	0.05	0.34	1	0.76	1.15	1.92	2.41	1.36	5.31	5.31	2.76
NE	7,890	7,156	734	98.035%	97.834%	100.000%	0.2	0.2	0.22	0.95	0.94	0.98	1.27	1.3	1.2	28	28	2.2
NH	4,683	4,470	213	69.742%	70.940%	44.601%	0.003	0.003	0.1	1.34	1.48	1	3.87	3.89	1.27	9.5	9.5	1.7
NJ	11,534	10,136	1,398	38.530%	37.490%	46.066%	0.0017	0.0017	0.007	0.2	0.2	0.14	0.7	0.685	0.73	10	10	1.6
NM	4,016	3,556	460	94.846%	95.669%	88.478%	0.01	0.01	0.04	0.61	0.64	0.42	2.84	2.87	2.28	18.6	18.6	6.8
NV	3,027	2,064	963	74.133%	75.436%	71.340%	0.02	0.02	0.03	0.505	0.32	0.84	1.61	1.5	1.63	6.4	6.4	3.4
NY	6,425	3,790	2,635	67.175%	57.810%	80.645%	0.0001	0.0001	0.0001	0.85	0.6	0.9	1.1	1.1	1.1	21	3	21
OH	4,928	4,088	840	80.398%	78.425%	90.000%	0.00014	0.00014	0.00083	0.83	0.62	0.97	1.58	1.69	1.2	3.12	3.12	1.65
OK	468	307	161	89.957%	90.554%	88.820%	0.1	0.1	0.1	0.38	0.26	0.77	1.2	1.36	1.1	5.48	5.48	4.66
OR	1,327	958	369	33.459%	34.238%	31.436%	0.06	0.08	0.06	0.355	0.3	0.7	1.2	1.2	1.2	5.2	5.2	4.9
RI	929	687	242	34.338%	44.687%	4.959%	0.05	0.05	0.21	0.39	0.42	0.25	1.66	1.69	0.56	3.79	3.79	0.69
SC	3,743	3,280	463	64.707%	62.134%	82.937%	0.1	0.1	0.1	0.66	0.54	0.78	2.9	3.1	1.08	9.6	9.6	1.9
SD	349	333	16	99.140%	99.099%	100.000%	0.00054	0.06	0.00054	0.525	0.5	0.765	1.58	1.605	1.3	9.15	9.15	1.51
TN	3,730	1,144	2,586	82.091%	61.014%	91.415%	0.0005	0.0005	0.01	0.96	0.79	0.99	1.2	1.1	1.2	2.8	2.8	2.7
TX	18,480	15,003	3,477	90.168%	90.935%	86.856%	0.02	0.03	0.02	0.5	0.55	0.4	2.3	2.6	0.905	14.3	14.3	4.6
UT	7,238	5,692	1,546	84.498%	85.190%	81.953%	0.01	0.01	0.05	0.2	0.2	0.2	0.5	0.5	0.3	4.5	4.5	2.8
VA	4,439	2,881	1,558	67.650%	57.723%	86.008%	0.01	0.05	0.01	0.96	1.66	0.91	4.65	5.13	1.12	21.4	7.25	21.4
VT	1,995	1,690	305	25.113%	23.669%	33.115%	0.008	0.008	0.03	0.33	0.3	1	1.2	1.1	1.22	1.9	1.9	1.67
WI	6,918	6,749	169	79.676%	79.301%	94.675%	0.00027	0.00027	0.0019	0.25	0.24	1	1.11	1.1	1.25	38	38	2.2
WV	1,348	523	825	77.596%	69.790%	82.545%	0.00006	0.00038	0.00006	0.8	0.32	0.86	1.18	1.18	1.17	3.74	3.74	2.22
WY	1,183	928	255	90.955%	93.427%	81.961%	0.0002	0.0016	0.0002	0.5	0.5	0.4	1.5	1.6	1.1	7	7	3.12
Total	333,211	249,831	83,380	81.525%	80.310%	85.166%	0.00006	0.0001	0.00006	0.79	0.73	0.86	1.4	1.5	1.27	38	38	29.2

Table A37b. Fluoride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	482	384	98	519,993	208,399	311,594	38.382%	40.104%	31.633%	75.469%	62.684%	84.020%
AL	352	279	73	4,701,100	1,463,066	3,238,034	69.602%	63.082%	94.521%	92.277%	79.447%	98.074%
AR	453	381	72	2,452,800	909,774	1,543,026	72.627%	75.591%	56.944%	80.493%	90.071%	74.846%
AZ	977	929	48	6,129,907	2,759,316	3,370,591	96.520%	96.448%	97.917%	98.787%	97.308%	99.998%
CA	3,744	3,220	524	36,402,771	13,574,162	22,828,609	79.915%	80.373%	77.099%	94.888%	94.139%	95.333%
CO	822	602	220	4,994,055	529,180	4,464,875	94.404%	95.017%	92.727%	99.506%	97.015%	99.801%
CT	1,170	1,131	39	2,716,176	382,254	2,333,922	61.282%	60.212%	92.308%	92.166%	57.627%	97.823%
DE	356	353	3	714,769	433,369	281,400	50.562%	50.142%	100.000%	79.464%	66.129%	100.000%
FL	1,338	1,312	26	17,215,909	14,969,867	2,246,042	76.532%	76.296%	88.462%	95.723%	95.101%	99.866%
GA	1,733	1,617	116	7,466,899	1,574,118	5,892,781	72.706%	71.305%	92.241%	97.780%	91.409%	99.482%
HI	112	100	12	1,305,882	1,251,254	54,628	27.679%	31.000%	0.000%	29.594%	30.887%	0.000%
IA	968	935	33	2,503,908	1,395,282	1,108,626	97.314%	97.219%	100.000%	99.638%	99.351%	100.000%
ID	876	829	47	1,067,405	826,967	240,438	85.502%	86.972%	59.574%	95.118%	95.649%	93.292%
IL	1,455	1,356	99	9,318,753	3,124,531	6,194,222	94.433%	94.100%	98.990%	99.668%	99.013%	99.998%
IN	1,482	1,433	49	4,949,127	2,588,672	2,360,455	90.486%	90.230%	97.959%	99.233%	98.544%	99.987%
KY	242	93	149	4,602,489	375,460	4,227,029	98.760%	96.774%	100.000%	99.996%	99.947%	100.000%
MA	678	559	119	8,529,124	1,718,190	6,810,934	74.926%	72.987%	84.034%	81.783%	49.617%	89.897%
MD	638	576	62	4,925,647	931,307	3,994,340	75.705%	74.826%	83.871%	98.512%	93.647%	99.646%
ME	809	754	55	729,432	292,198	437,234	49.938%	48.143%	74.545%	82.379%	68.234%	91.831%
MI	3,086	3,025	61	7,173,058	1,993,202	5,179,856	97.246%	97.190%	100.000%	99.749%	99.098%	100.000%
MN	1,468	1,440	28	4,164,508	2,915,017	1,249,491	91.689%	91.597%	96.429%	99.663%	99.521%	99.996%
MO	1,423	1,344	79	4,804,863	1,692,282	3,112,581	57.906%	55.506%	98.734%	94.654%	84.893%	99.961%
MT	842	783	59	756,961	364,562	392,399	92.993%	92.976%	93.220%	97.437%	95.308%	99.416%
NC	2,283	2,144	139	6,973,518	1,708,352	5,265,166	74.376%	73.507%	87.770%	97.260%	93.133%	98.599%
ND	217	190	27	563,069	257,844	305,225	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
NE	737	726	11	1,451,390	674,910	776,480	95.387%	95.317%	100.000%	99.342%	98.584%	100.000%
NH	1,228	1,187	41	944,942	395,143	549,799	72.638%	73.631%	43.902%	69.744%	69.125%	70.190%
NJ	1,372	1,335	37	7,762,979	2,727,033	5,035,946	60.277%	59.476%	89.189%	93.496%	83.582%	98.864%
NM	717	678	39	1,673,433	1,406,885	266,548	98.187%	98.083%	100.000%	99.755%	99.709%	100.000%
NV	338	317	21	973,605	283,714	689,891	89.941%	90.536%	80.952%	97.910%	98.098%	97.833%
NY	1,600	1,357	243	11,225,138	1,229,838	9,995,300	52.063%	50.111%	62.963%	91.487%	48.247%	96.808%
OH	1,934	1,808	126	10,225,777	3,129,983	7,095,794	83.816%	83.020%	95.238%	97.246%	91.179%	99.921%
OK	197	165	32	782,508	262,331	520,177	82.741%	88.485%	53.125%	95.361%	96.150%	94.963%
OR	730	606	124	2,813,374	486,528	2,326,846	31.096%	31.023%	31.452%	66.219%	55.418%	68.478%
RI	143	134	9	913,584	173,606	739,978	59.441%	61.940%	22.222%	20.095%	90.087%	3.674%
SC	823	758	65	3,462,992	804,465	2,658,527	67.315%	65.303%	90.769%	95.858%	82.796%	99.811%
SD	207	199	8	194,476	121,093	73,383	99.034%	98.995%	100.000%	99.919%	99.870%	100.000%
TN	350	161	189	5,683,572	1,460,816	4,222,756	85.429%	75.776%	93.651%	85.563%	49.295%	98.109%
TX	4,935	4,592	343	25,112,657	9,327,672	15,784,985	95.096%	95.035%	95.918%	99.546%	99.103%	99.807%
UT	506	457	49	2,543,652	1,686,017	857,635	96.047%	95.842%	97.959%	99.367%	99.651%	98.808%
VA	1,617	1,440	177	5,729,159	647,279	5,081,880	51.082%	48.333%	73.446%	94.094%	58.539%	98.623%
VT	597	555	42	490,319	226,551	263,768	38.191%	37.477%	47.619%	61.858%	40.745%	79.992%
WI	1,805	1,785	20	4,041,330	2,349,586	1,691,744	91.025%	90.924%	100.000%	98.315%	97.103%	100.000%
WV	454	293	161	1,416,005	235,215	1,180,790	78.194%	70.648%	91.925%	97.416%	89.603%	98.972%
WY	304	255	49	446,184	129,168	317,016	95.066%	96.078%	89.796%	95.068%	97.385%	94.124%
Total	48,600	44,577	4,023	233,569,199	85,996,458	147,572,741	79.276%	78.991%	82.426%	94.425%	90.508%	96.708%

Table A37c. Fluoride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 4 mg/L			Percent of Systems with At Least One Detection > 4 mg/L			Population Served by Systems with At Least One Detection > 4 mg/L			Percent of Population Served with At Least One Detection > 4 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	5	4	1	1.420%	1.434%	1.370%	55,123	32,873	22,250	1.173%	2.247%	0.687%
AR	8	8	0	1.766%	2.100%	0.000%	37,108	37,108	0	1.513%	4.079%	0.000%
AZ	38	38	0	3.889%	4.090%	0.000%	61,306	61,306	0	1.000%	2.222%	0.000%
CA	39	32	7	1.042%	0.994%	1.336%	1,347,272	495,658	851,614	3.701%	3.651%	3.730%
CO	14	12	2	1.703%	1.993%	0.909%	5,968	5,118	850	0.120%	0.967%	0.019%
CT	3	3	0	0.256%	0.265%	0.000%	13,202	13,202	0	0.486%	3.454%	0.000%
DE	5	3	2	1.404%	0.850%	66.667%	231,394	55,264	176,130	32.373%	12.752%	62.591%
FL	3	3	0	0.224%	0.229%	0.000%	435	435	0	0.003%	0.003%	0.000%
GA	10	9	1	0.577%	0.557%	0.862%	26,233	24,106	2,127	0.351%	1.531%	0.036%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	4	4	0	0.413%	0.428%	0.000%	2,277	2,277	0	0.091%	0.163%	0.000%
ID	9	8	1	1.027%	0.965%	2.128%	1,551	1,411	140	0.145%	0.171%	0.058%
IL	17	17	0	1.168%	1.254%	0.000%	64,306	64,306	0	0.690%	2.058%	0.000%
IN	7	7	0	0.472%	0.488%	0.000%	3,099	3,099	0	0.063%	0.120%	0.000%
KY	3	0	3	1.240%	0.000%	2.013%	27,507	0	27,507	0.598%	0.000%	0.651%
MA	4	3	1	0.590%	0.537%	0.840%	84,631	40,870	43,761	0.992%	2.379%	0.643%
MD	3	3	0	0.470%	0.521%	0.000%	5,526	5,526	0	0.112%	0.593%	0.000%
ME	7	7	0	0.865%	0.928%	0.000%	5,959	5,959	0	0.817%	2.039%	0.000%
MI	9	9	0	0.292%	0.298%	0.000%	26,119	26,119	0	0.364%	1.310%	0.000%
MN	40	40	0	2.725%	2.778%	0.000%	32,203	32,203	0	0.773%	1.105%	0.000%
MO	14	14	0	0.984%	1.042%	0.000%	52,774	52,774	0	1.098%	3.119%	0.000%
MT	15	15	0	1.781%	1.916%	0.000%	5,028	5,028	0	0.664%	1.379%	0.000%
NC	7	7	0	0.307%	0.326%	0.000%	8,910	8,910	0	0.128%	0.522%	0.000%
ND	2	2	0	0.922%	1.053%	0.000%	196	196	0	0.035%	0.076%	0.000%
NE	10	10	0	1.357%	1.377%	0.000%	30,445	30,445	0	2.098%	4.511%	0.000%
NH	32	32	0	2.606%	2.696%	0.000%	6,786	6,786	0	0.718%	1.717%	0.000%
NJ	4	4	0	0.292%	0.300%	0.000%	1,975	1,975	0	0.025%	0.072%	0.000%
NM	20	19	1	2.789%	2.802%	2.564%	68,250	68,017	233	4.078%	4.835%	0.087%
NV	2	2	0	0.592%	0.631%	0.000%	1,160	1,160	0	0.119%	0.409%	0.000%
NY	3	0	3	0.188%	0.000%	1.235%	82,977	0	82,977	0.739%	0.000%	0.830%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	2	1	1	1.015%	0.606%	3.125%	125,520	89	125,431	16.041%	0.034%	24.113%
OR	4	3	1	0.548%	0.495%	0.806%	10,705	755	9,950	0.381%	0.155%	0.428%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	11	11	0	1.337%	1.451%	0.000%	40,158	40,158	0	1.160%	4.992%	0.000%
SD	2	2	0	0.966%	1.005%	0.000%	1,707	1,707	0	0.878%	1.410%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	83	82	1	1.682%	1.786%	0.292%	226,143	127,998	98,145	0.901%	1.372%	0.622%
UT	2	2	0	0.395%	0.438%	0.000%	6,938	6,938	0	0.273%	0.412%	0.000%
VA	61	60	1	3.772%	4.167%	0.565%	66,614	25,846	40,768	1.163%	3.993%	0.802%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	12	12	0	0.665%	0.672%	0.000%	27,370	27,370	0	0.677%	1.165%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	5	5	0	1.645%	1.961%	0.000%	28,339	28,339	0	6.351%	21.940%	0.000%
Total	519	493	26	1.068%	1.106%	0.646%	2,823,214	1,341,331	1,481,883	1.209%	1.560%	1.004%



Table A37d. Fluoride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 2 mg/L			Percent of Systems with At Least One Detection ≥ 2 mg/L			Population Served by Systems with At Least One Detection ≥ 2 mg/L			Percent of Population Served with At Least One Detection ≥ 2 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	25	21	4	7.102%	7.527%	5.479%	308,003	181,785	126,218	6.552%	12.425%	3.898%
AR	25	23	2	5.519%	6.037%	2.778%	134,993	120,165	14,828	5.504%	13.208%	0.961%
AZ	140	133	7	14.330%	14.316%	14.583%	1,842,086	1,171,217	670,869	30.051%	42.446%	19.904%
CA	130	111	19	3.472%	3.447%	3.626%	2,242,341	937,450	1,304,891	6.160%	6.906%	5.716%
CO	148	124	24	18.005%	20.598%	10.909%	374,552	171,475	203,077	7.500%	32.404%	4.548%
CT	10	10	0	0.855%	0.884%	0.000%	13,596	13,596	0	0.501%	3.557%	0.000%
DE	6	4	2	1.685%	1.133%	66.667%	233,794	57,664	176,130	32.709%	13.306%	62.591%
FL	16	16	0	1.196%	1.220%	0.000%	11,964	11,964	0	0.069%	0.080%	0.000%
GA	28	25	3	1.616%	1.546%	2.586%	88,553	75,610	12,943	1.186%	4.803%	0.220%
HI	1	1	0	0.893%	1.000%	0.000%	260	260	0	0.020%	0.021%	0.000%
IA	48	48	0	4.959%	5.134%	0.000%	59,748	59,748	0	2.386%	4.282%	0.000%
ID	26	24	2	2.968%	2.895%	4.255%	235,508	49,368	186,140	22.064%	5.970%	77.417%
IL	74	74	0	5.086%	5.457%	0.000%	196,428	196,428	0	2.108%	6.287%	0.000%
IN	68	65	3	4.588%	4.536%	6.122%	122,357	89,366	32,991	2.472%	3.452%	1.398%
KY	17	9	8	7.025%	9.677%	5.369%	121,981	5,026	116,955	2.650%	1.339%	2.767%
MA	12	8	4	1.770%	1.431%	3.361%	190,572	54,700	135,872	2.234%	3.184%	1.995%
MD	20	19	1	3.135%	3.299%	1.613%	105,414	51,414	54,000	2.140%	5.521%	1.352%
ME	33	27	6	4.079%	3.581%	10.909%	93,474	33,566	59,908	12.815%	11.487%	13.702%
MI	35	35	0	1.134%	1.157%	0.000%	83,524	83,524	0	1.164%	4.190%	0.000%
MN	230	227	3	15.668%	15.764%	10.714%	290,666	280,872	9,794	6.980%	9.635%	0.784%
MO	76	69	7	5.341%	5.134%	8.861%	266,367	189,781	76,586	5.544%	11.215%	2.461%
MT	46	45	1	4.438%	5.747%	1.695%	11,412	10,612	800	1.508%	2.911%	0.204%
NC	62	57	5	2.716%	2.659%	3.597%	414,925	299,726	115,199	5.950%	17.545%	2.188%
ND	18	17	1	8.295%	8.947%	3.704%	16,094	14,311	1,783	2.858%	5.550%	0.584%
NE	28	27	1	3.799%	3.719%	9.091%	66,224	57,659	8,565	4.563%	8.543%	1.103%
NH	115	115	0	9.365%	9.688%	0.000%	28,180	28,180	0	2.982%	7.132%	0.000%
NJ	15	15	0	1.093%	1.124%	0.000%	115,187	115,187	0	1.484%	4.224%	0.000%
NM	76	75	1	10.600%	11.062%	2.564%	125,166	124,933	233	7.480%	8.880%	0.087%
NV	15	13	2	4.438%	4.101%	9.524%	77,147	20,347	56,800	7.924%	7.172%	8.233%
NY	15	10	5	0.938%	0.737%	2.058%	113,850	8,073	105,777	1.014%	0.656%	1.058%
OH	61	61	0	3.154%	3.374%	0.000%	49,780	49,780	0	0.487%	1.590%	0.000%
OK	10	9	1	5.076%	5.455%	3.125%	140,651	15,220	125,431	17.974%	5.802%	24.113%
OR	13	11	2	1.781%	1.815%	1.613%	37,800	11,020	26,780	1.344%	2.265%	1.151%
RI	5	5	0	3.497%	3.731%	0.000%	1,357	1,357	0	0.149%	0.782%	0.000%
SC	49	49	0	5.954%	6.464%	0.000%	83,020	83,020	0	2.397%	10.320%	0.000%
SD	14	14	0	6.763%	7.035%	0.000%	7,593	7,593	0	3.904%	6.270%	0.000%
TN	6	1	5	1.714%	0.621%	2.646%	48,732	2,547	46,185	0.857%	0.174%	1.094%
TX	464	449	15	9.402%	9.778%	4.373%	2,347,413	1,286,745	1,060,668	9.348%	13.795%	6.719%
UT	9	7	2	1.779%	1.532%	4.082%	106,327	23,937	82,390	4.180%	1.420%	9.607%
VA	184	179	5	11.379%	12.431%	2.825%	296,424	121,290	175,134	5.174%	18.738%	3.446%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	41	40	1	2.271%	2.241%	5.000%	294,702	191,684	103,018	7.292%	8.158%	6.089%
WV	4	2	2	0.881%	0.683%	1.242%	8,816	595	8,221	0.623%	0.253%	0.696%
WY	26	24	2	8.553%	9.412%	4.082%	46,044	35,994	10,050	10.320%	27.866%	3.170%
Total	2,444	2,298	146	5.029%	5.155%	3.629%	11,453,025	6,344,789	5,108,236	4.903%	7.378%	3.462%

Table A38. Glyphosate – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 700 µg/L	14,974	0	0.000%	46,311,603	0	0.000%
	≥ 350 µg/L	14,974	1	0.007%	46,311,603	40	0.000%
Surface Water	> 700 µg/L	1,377	0	0.000%	69,964,408	0	0.000%
	≥ 350 µg/L	1,377	1	0.073%	69,964,408	48,800	0.070%
Combined Ground & Surface Water	> 700 µg/L	16,351	0	0.000%	116,276,011	0	0.000%
	≥ 350 µg/L	16,351	2	0.012%	116,276,011	48,840	0.042%

Table A38a. Glyphosate – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	28	10	18	0.000%	0.000%	0.000%												
AL	504	376	128	0.000%	0.000%	0.000%												
AR	1,505	1,290	215	0.000%	0.000%	0.000%												
AZ	5,103	4,123	980	0.118%	0.146%	0.000%	6	6		8	8		75	75		75	75	
CA	10,882	5,769	5,113	0.018%	0.017%	0.020%	25	25	66	45.5	25	66	66	25	66	66	25	66
CO	430	367	63	0.000%	0.000%	0.000%												
CT	1,288	980	308	0.000%	0.000%	0.000%												
DE	3	0	3	0.000%	0.000%	0.000%												
FL	2,350	2,285	65	0.766%	0.788%	0.000%	5.5	5.5		10	10		100	100		700	700	
GA	1,421	1,348	73	0.070%	0.074%	0.000%	290	290		290	290		290	290		290	290	
HI	1,694	1,649	45	0.000%	0.000%	0.000%												
IA	47	30	17	0.000%	0.000%	0.000%												
ID	1,252	1,038	214	0.000%	0.000%	0.000%												
IL	903	747	156	0.000%	0.000%	0.000%												
IN	2,178	2,041	137	0.000%	0.000%	0.000%												
KY	1,710	440	1,270	0.468%	0.000%	0.630%	2.6		2.6	17.5		17.5	500		500	500		500
MA	7	2	5	0.000%	0.000%	0.000%												
MD	167	9	158	0.000%	0.000%	0.000%												
ME	1	1	0	0.000%	0.000%	0.000%												
MI	29	17	12	0.000%	0.000%	0.000%												
MN	4,574	4,439	135	0.000%	0.000%	0.000%												
MO																		
MT	923	833	90	0.000%	0.000%	0.000%												
NC																		
ND	59	38	21	0.000%	0.000%	0.000%												
NE	1,293	1,273	20	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	1	1	0	0.000%	0.000%	0.000%												
NM	4,247	3,996	251	0.000%	0.000%	0.000%												
NV	1,541	1,150	391	0.195%	0.087%	0.512%	6	25	6	6	25	6	25	25	6	25	25	6
NY	82	8	74	0.000%	0.000%	0.000%												
OH	533	382	151	0.000%	0.000%	0.000%												
OK	3	3	0	0.000%	0.000%	0.000%												
OR	2,082	1,600	482	0.048%	0.063%	0.000%	30	30		30	30		30	30		30	30	
RI	4	4	0	0.000%	0.000%	0.000%												
SC	2,824	2,462	362	0.035%	0.041%	0.000%	6	6		6	6		6	6		6	6	
SD	949	840	109	0.000%	0.000%	0.000%												
TN	83	14	69	0.000%	0.000%	0.000%												
TX																		
UT	40	30	10	2.500%	3.333%	0.000%	10	10		10	10		10	10		10	10	
VA	3	1	2	0.000%	0.000%	0.000%												
VT	12	11	1	0.000%	0.000%	0.000%												
WI	3,164	3,073	91	0.000%	0.000%	0.000%												
WV	5	3	2	0.000%	0.000%	0.000%												
WY	57	34	23	0.000%	0.000%	0.000%												
Total	58,174	46,591	11,583	0.070%	0.064%	0.095%	2.6	5.5	2.6	10	10	10	95	97.5	66	700	700	500

Table A38b. Glyphosate – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	6	4	2	22,245	13,281	8,964	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	172	127	45	2,709,297	596,709	2,112,588	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	903	856	47	5,957,975	2,589,884	3,368,091	0.332%	0.350%	0.000%	0.416%	0.957%	0.000%
CA	1,015	779	236	32,642,273	11,425,552	21,216,721	0.197%	0.128%	0.424%	0.011%	0.002%	0.016%
CO	220	185	35	2,360,023	223,603	2,136,420	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	645	608	37	2,585,363	258,096	2,327,267	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	1	0	1	140,000	0	140,000	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,307	1,286	21	16,746,341	14,507,165	2,239,176	0.918%	0.933%	0.000%	16.638%	19.206%	0.000%
GA	293	280	13	987,804	298,453	689,351	0.341%	0.357%	0.000%	0.045%	0.150%	0.000%
HI	109	97	12	1,300,349	1,245,721	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	3	2	1	162,167	27,550	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	566	539	27	872,578	654,686	217,892	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	454	389	65	2,206,524	921,320	1,285,204	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,254	1,216	38	4,079,635	1,859,916	2,219,719	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	2.469%	0.000%	4.000%	8.494%	0.000%	9.247%
MA	3	2	1	66,881	29,266	37,615	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MD	16	6	10	3,586,512	2,940	3,583,572	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ME	1	1	0	320	320	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	15	8	7	3,772,657	15,818	3,756,839	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,282	1,253	29	3,931,436	2,681,795	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO												
MT	605	557	48	685,741	309,762	375,979	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC												
ND	28	22	6	47,665	40,636	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	634	631	3	1,110,676	573,060	537,616	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	1	1	0	2,061	2,061	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	691	655	36	1,659,972	1,397,074	262,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	289	268	21	960,377	270,486	689,891	0.692%	0.373%	4.762%	34.910%	0.333%	48.467%
NY	16	7	9	516,990	17,742	499,248	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	268	189	79	6,465,132	482,792	5,982,340	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK	3	3	0	2,634	2,634	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OR	1,097	947	150	2,940,254	575,504	2,364,750	0.091%	0.106%	0.000%	0.005%	0.025%	0.000%
RI	4	4	0	38,550	38,550	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	765	706	59	3,425,938	799,155	2,626,783	0.131%	0.142%	0.000%	0.004%	0.015%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	27	8	19	1,155,929	144,998	1,010,931	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX												
UT	12	8	4	332,145	136,535	195,610	8.333%	12.500%	0.000%	0.009%	0.022%	0.000%
VA	2	1	1	5,726	650	5,076	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	12	11	1	76,640	7,717	68,923	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WI	1,407	1,387	20	3,883,613	2,191,869	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	5	3	2	11,455	8,605	2,850	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WY	25	17	8	190,439	14,860	175,579	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	16,351	14,974	1,377	116,276,011	46,311,603	69,964,408	0.177%	0.140%	0.581%	3.047%	6.074%	1.043%

Table A38c. Glyphosate – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 700 µg/L			Percent of Systems with At Least One Detection > 700 µg/L			Population Served by Systems with At Least One Detection > 700 µg/L			Percent of Population Served with At Least One Detection > 700 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC												
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A38d. Glyphosate – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 350 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 350 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 350 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 350 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.077%	0.078%	0.000%	40	40	0	0.000%	0.0003%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.412%	0.000%	0.667%	48,800	0	48,800	1.058%	0.000%	1.152%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC												
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	1	1	0.012%	0.007%	0.073%	48,840	40	48,800	0.042%	0.0001%	0.070%

Table A39. Heptachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.4 µg/L	29,965	1	0.003%	67,922,151	325	0.000%
	≥ 0.2 µg/L	29,965	3	0.010%	67,922,151	5,615	0.008%
	≥ 0.1 µg/L	29,965	207	0.691%	67,922,151	470,220	0.692%
Surface Water	> 0.4 µg/L	3,055	1	0.033%	116,521,633	4,374	0.004%
	≥ 0.2 µg/L	3,055	4	0.131%	116,521,633	262,286	0.225%
	≥ 0.1 µg/L	3,055	27	0.884%	116,521,633	3,435,360	2.948%
Combined Ground & Surface Water	> 0.4 µg/L	33,020	2	0.006%	184,443,784	4,699	0.003%
	≥ 0.2 µg/L	33,020	7	0.021%	184,443,784	267,901	0.145%
	≥ 0.1 µg/L	33,020	234	0.709%	184,443,784	3,905,580	2.117%

Table A39a. Heptachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	103	53	50	0.000%	0.000%	0.000%												
AL	525	394	131	0.000%	0.000%	0.000%												
AR	1,664	1,423	241	0.000%	0.000%	0.000%												
AZ	7,207	5,637	1,570	0.014%	0.000%	0.064%	0.2		0.2	0.2		0.2	0.2		0.2		0.2	
CA	13,241	7,880	5,361	0.045%	0.063%	0.019%	0.004	0.004	0.04	0.01	0.01	0.04	0.04	0.01	0.04	0.04	0.01	0.04
CO	2,533	1,829	704	0.000%	0.000%	0.000%												
CT	1,331	1,013	318	0.000%	0.000%	0.000%												
DE	758	729	29	0.264%	0.137%	3.448%	0.1	0.18	0.1	0.14	0.18	0.1	0.18	0.18	0.1	0.18	0.18	0.1
FL	2,393	2,326	67	0.460%	0.473%	0.000%	0.001	0.001		0.001	0.001		0.001	0.001		0.008	0.008	
GA	1,482	1,402	80	0.000%	0.000%	0.000%												
HI	1,947	1,850	97	0.000%	0.000%	0.000%												
IA	146	131	15	0.000%	0.000%	0.000%												
ID	1,737	1,479	258	0.000%	0.000%	0.000%												
IL	4,686	3,945	741	0.043%	0.051%	0.000%	0.02	0.02		0.035	0.035		0.05	0.05		0.05	0.05	
IN	2,241	2,077	164	0.000%	0.000%	0.000%												
KY	1,746	447	1,299	0.401%	0.224%	0.462%	0.001	0.1	0.001	0.1	0.1	0.12	0.2	0.1	0.2	0.2	0.1	0.2
MA	3,025	2,238	787	0.066%	0.000%	0.254%	0.01		0.01	0.01		0.01	0.01		0.01	0.01		0.01
MD	2,748	1,729	1,019	0.291%	0.058%	0.687%	0.01	0.04	0.01	0.015	0.04	0.01	0.12	0.04	0.12	0.12	0.04	0.12
ME	456	391	65	0.000%	0.000%	0.000%												
MI	6,875	6,423	452	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	5,559	4,691	868	0.000%	0.000%	0.000%												
MT	2,958	2,656	302	0.000%	0.000%	0.000%												
NC	13,608	12,473	1,135	0.015%	0.008%	0.088%	0.14	0.39	0.14	0.265	0.39	0.14	0.39	0.39	0.14	0.39	0.39	0.14
ND	403	337	66	0.496%	0.593%	0.000%	0.06	0.06		0.065	0.065		0.07	0.07		0.07	0.07	
NE	4,480	4,131	349	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	41	33	8	0.000%	0.000%	0.000%												
NM	4,367	4,115	252	0.000%	0.000%	0.000%												
NV	1,638	1,200	438	0.000%	0.000%	0.000%												
NY	2,942	2,203	739	0.000%	0.000%	0.000%												
OH	235	97	138	0.000%	0.000%	0.000%												
OK																		
OR	2,054	1,571	483	0.000%	0.000%	0.000%												
RI	601	414	187	0.000%	0.000%	0.000%												
SC	2,928	2,537	391	18.340%	19.117%	13.299%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
SD	953	844	109	0.000%	0.000%	0.000%												
TN	62	12	50	0.000%	0.000%	0.000%												
TX	11,038	5,279	5,759	0.000%	0.000%	0.000%												
UT	7,115	5,927	1,188	0.000%	0.000%	0.000%												
VA	503	178	325	0.000%	0.000%	0.000%												
VT	1,321	1,118	203	0.076%	0.089%	0.000%	0.08	0.08		0.08	0.08		0.08	0.08		0.08	0.08	
WI	3,193	3,100	93	0.063%	0.065%	0.000%	0.17	0.17		0.185	0.185		0.2	0.2		0.2	0.2	
WV	645	336	309	2.171%	2.679%	1.618%	0.0045	0.0045	0.0077	0.0077	0.0077	0.04	0.5	0.5	0.5	0.5	0.5	0.5
WY	1,284	964	320	0.000%	0.000%	0.000%												
Total	133,726	106,106	27,620	0.446%	0.491%	0.275%	0.001	0.001	0.001	0.1	0.1	0.1	0.1	0.1	0.12	0.5	0.5	0.5



Table A39b. Heptachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	15	10	5	246,261	14,306	231,955	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	176	131	45	2,738,380	625,792	2,112,588	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	450	379	71	2,447,627	905,863	1,541,764	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	949	901	48	6,081,248	2,710,657	3,370,591	0.105%	0.000%	2.083%	0.027%	0.000%	0.049%
CA	1,628	1,335	293	33,775,878	12,089,748	21,686,130	0.184%	0.150%	0.341%	0.121%	0.327%	0.007%
CO	808	589	219	4,990,621	523,712	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	656	618	38	2,595,293	261,406	2,333,887	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	201	198	3	628,982	347,582	281,400	0.995%	0.505%	33.333%	22.284%	0.047%	49.751%
FL	1,314	1,293	21	16,792,349	14,553,173	2,239,176	0.381%	0.387%	0.000%	15.508%	17.894%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	100	88	12	1,256,886	1,202,258	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	95	93	2	238,892	99,507	139,385	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	723	676	47	978,700	742,024	236,676	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,371	1,267	104	9,186,700	2,986,303	6,200,397	0.146%	0.158%	0.000%	1.695%	5.214%	0.000%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	2.058%	1.075%	2.667%	7.279%	1.749%	7.769%
MA	644	527	117	8,485,298	1,682,916	6,802,382	0.155%	0.000%	0.855%	0.516%	0.000%	0.643%
MD	862	794	68	4,906,096	907,989	3,998,107	0.464%	0.126%	4.412%	69.869%	0.039%	85.728%
ME	269	241	28	510,420	134,500	375,920	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,935	2,874	61	7,227,231	2,047,375	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,471	1,395	76	2,644,644	1,700,183	944,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	812	752	60	753,149	360,480	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.085%	0.045%	0.730%	1.165%	0.221%	1.483%
ND	208	181	27	559,142	253,917	305,225	0.962%	1.105%	0.000%	0.196%	0.432%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	36	30	6	1,444,605	143,223	1,301,382	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	695	659	36	1,662,962	1,400,064	262,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	291	270	21	960,972	271,081	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,347	1,116	231	4,924,771	981,494	3,943,277	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	48	36	12	3,617,992	147,360	3,470,632	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,084	934	150	2,937,104	572,354	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	86	77	9	902,061	162,083	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	770	711	59	3,427,270	800,487	2,626,783	28.701%	28.270%	33.898%	49.559%	56.446%	47.461%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	12	6	6	655,614	145,112	510,502	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	427	390	37	2,500,736	1,667,550	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	182	71	111	2,391,215	30,317	2,360,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	442	409	33	432,910	181,746	251,164	0.226%	0.244%	0.000%	0.071%	0.169%	0.000%
WI	1,410	1,390	20	3,883,918	2,192,174	1,691,744	0.142%	0.144%	0.000%	0.193%	0.342%	0.000%
WV	343	196	147	1,368,815	204,156	1,164,659	3.499%	4.592%	2.041%	0.829%	0.971%	0.804%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	33,020	29,965	3,055	184,443,784	67,922,151	116,521,633	0.796%	0.761%	1.146%	4.635%	4.819%	4.528%

Table A39c. Heptachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.4 µg/L			Percent of Systems with At Least One Detection > 0.4 µg/L			Population Served by Systems with At Least One Detection > 0.4 µg/L			Percent of Population Served with At Least One Detection > 0.4 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.583%	0.510%	0.680%	4,699	325	4,374	0.343%	0.159%	0.376%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	1	1	0.006%	0.003%	0.033%	4,699	325	4,374	0.003%	0.000%	0.004%

Table A39d. Heptachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.2 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.2 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.2 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.2 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	0	1	0.105%	0.000%	2.083%	1,650	0	1,650	0.027%	0.000%	0.049%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.412%	0.000%	0.667%	254,462	0	254,462	5.517%	0.000%	6.006%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	3,832	3,832	0	0.056%	0.221%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.071%	0.072%	0.000%	1,458	1,458	0	0.038%	0.067%	0.000%
WV	3	1	2	0.875%	0.510%	1.361%	6,499	325	6,174	0.475%	0.159%	0.530%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	7	3	4	0.021%	0.010%	0.131%	267,901	5,615	262,286	0.145%	0.008%	0.225%

Table A39e. Heptachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	0	1	0.105%	0.000%	2.083%	1,650	0	1,650	0.027%	0.000%	0.049%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	2	1	1	0.995%	0.505%	33.333%	140,165	165	140,000	22.284%	0.047%	49.751%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	2	1	1	0.823%	1.075%	0.667%	261,029	6,567	254,462	5.659%	1.749%	6.006%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	0	1	0.116%	0.000%	1.471%	1,710,000	0	1,710,000	34.855%	0.000%	42.770%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	2	1	1	0.085%	0.045%	0.730%	80,218	3,832	76,386	1.165%	0.221%	1.483%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	221	201	20	28.701%	28.270%	33.898%	1,698,527	451,839	1,246,688	49.559%	56.446%	47.461%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	2	2	0	0.142%	0.144%	0.000%	7,492	7,492	0	0.193%	0.342%	0.000%
WV	3	1	2	0.875%	0.510%	1.361%	6,499	325	6,174	0.475%	0.159%	0.530%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	234	207	27	0.709%	0.691%	0.884%	3,905,580	470,220	3,435,360	2.117%	0.692%	2.948%

Table A40. Heptachlor Epoxide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.2 µg/L	29,961	5	0.017%	67,983,066	14,973	0.022%
	≥ 0.1 µg/L	29,961	11	0.037%	67,983,066	22,458	0.033%
Surface Water	> 0.2 µg/L	3,054	1	0.033%	116,494,709	4,374	0.004%
	≥ 0.1 µg/L	3,054	4	0.131%	116,494,709	439,554	0.377%
Combined Ground & Surface Water	> 0.2 µg/L	33,015	6	0.018%	184,477,775	19,347	0.010%
	≥ 0.1 µg/L	33,015	15	0.045%	184,477,775	462,012	0.250%

Table A40a. Heptachlor Epoxide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	102	53	49	0.000%	0.000%	0.000%												
AL	537	404	133	0.372%	0.000%	1.504%	0.02		0.02	0.025		0.025	0.03		0.03	0.03		0.03
AR	1,664	1,423	241	0.000%	0.000%	0.000%												
AZ	7,233	5,668	1,565	0.069%	0.088%	0.000%	0.08	0.08		0.08	0.08		0.1	0.1		0.1	0.1	
CA	14,079	8,153	5,926	0.000%	0.000%	0.000%												
CO	2,532	1,827	705	0.000%	0.000%	0.000%												
CT	1,332	1,014	318	0.000%	0.000%	0.000%												
DE	758	729	29	0.132%	0.000%	3.448%	0.05		0.05	0.05		0.05	0.05		0.05	0.05		0.05
FL	2,400	2,333	67	0.458%	0.471%	0.000%	0.006	0.006		0.01	0.01		0.01	0.01		0.01	0.01	
GA	1,482	1,402	80	0.067%	0.071%	0.000%	0.12	0.12		0.12	0.12		0.12	0.12		0.12	0.12	
HI	2,101	2,004	97	0.048%	0.050%	0.000%	0.01	0.01		0.01	0.01		0.01	0.01		0.01	0.01	
IA	147	131	16	0.000%	0.000%	0.000%												
ID	1,743	1,485	258	0.000%	0.000%	0.000%												
IL	4,692	3,951	741	0.171%	0.127%	0.405%	0.003	0.003	0.03	0.03	0.02	0.03	0.08	0.08	0.04	0.08	0.08	0.04
IN	2,238	2,074	164	0.000%	0.000%	0.000%												
KY	1,735	444	1,291	0.288%	0.000%	0.387%	0.001		0.001	0.02		0.02	0.2		0.2	0.2		0.2
MA	3,025	2,237	788	0.165%	0.089%	0.381%	0.01	0.02	0.01	0.02	1.01	0.01	2	2	0.11	2	2	0.11
MD	2,746	1,728	1,018	0.036%	0.058%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
ME	378	339	39	0.000%	0.000%	0.000%												
MI	6,874	6,422	452	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	5,559	4,691	868	0.000%	0.000%	0.000%												
MT	3,005	2,697	308	0.000%	0.000%	0.000%												
NC	13,605	12,470	1,135	0.875%	0.954%	0.000%	0.009	0.009		0.03	0.03		0.06	0.06		0.41	0.41	
ND	410	344	66	0.488%	0.581%	0.000%	0.05	0.05		0.07	0.07		0.09	0.09		0.09	0.09	
NE	4,480	4,131	349	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	41	33	8	0.000%	0.000%	0.000%												
NM	4,356	4,106	250	0.000%	0.000%	0.000%												
NV	1,640	1,201	439	0.000%	0.000%	0.000%												
NY	2,942	2,202	740	0.000%	0.000%	0.000%												
OH	236	97	139	0.000%	0.000%	0.000%												
OK																		
OR	2,056	1,573	483	0.000%	0.000%	0.000%												
RI	601	414	187	0.166%	0.242%	0.000%	0.005	0.005		0.005	0.005		0.005	0.005		0.005	0.005	
SC	2,924	2,532	392	0.000%	0.000%	0.000%												
SD	953	844	109	0.000%	0.000%	0.000%												
TN	62	12	50	0.000%	0.000%	0.000%												
TX	11,038	5,279	5,759	0.000%	0.000%	0.000%												
UT	7,115	5,927	1,188	0.000%	0.000%	0.000%												
VA	503	178	325	0.199%	0.000%	0.308%	0.05		0.05	0.05		0.05	0.05		0.05	0.05		0.05
VT	1,323	1,120	203	0.076%	0.089%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
WI	3,183	3,090	93	0.000%	0.000%	0.000%												
WV	645	336	309	2.171%	2.679%	1.618%	0.003	0.003	0.0042	0.0042	0.0042	0.02	0.5	0.5	0.5	0.5	0.5	0.5
WY	1,279	959	320	0.000%	0.000%	0.000%												
Total	134,708	106,551	28,157	0.132%	0.148%	0.071%	0.001	0.003	0.001	0.03	0.03	0.03	0.1	0.09	0.2	2	2	0.5

Table A40b. Heptachlor Epoxide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	15	10	5	246,261	14,306	231,955	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	177	132	45	2,757,325	644,737	2,112,588	0.565%	0.000%	2.222%	1.416%	0.000%	1.848%
AR	450	379	71	2,447,627	905,863	1,541,764	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	949	901	48	6,081,248	2,710,657	3,370,591	0.211%	0.222%	0.000%	0.837%	1.877%	0.000%
CA	1,629	1,335	294	33,810,974	12,089,844	21,721,130	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CO	808	589	219	4,990,621	523,712	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	657	619	38	2,595,377	261,490	2,333,887	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	201	198	3	628,982	347,582	281,400	0.498%	0.000%	33.333%	16.737%	0.000%	37.409%
FL	1,314	1,293	21	16,793,186	14,554,010	2,239,176	0.457%	0.464%	0.000%	17.386%	20.061%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.337%	0.353%	0.000%	0.003%	0.010%	0.000%
HI	112	100	12	1,305,882	1,251,254	54,628	0.893%	1.000%	0.000%	4.860%	5.072%	0.000%
IA	95	93	2	238,892	99,507	139,385	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	724	677	47	979,025	742,349	236,676	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,371	1,267	104	9,186,700	2,986,303	6,200,397	0.584%	0.395%	2.885%	0.637%	0.303%	0.798%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	1.646%	0.000%	2.667%	7.137%	0.000%	7.769%
MA	644	527	117	8,485,298	1,682,916	6,802,382	0.621%	0.380%	1.709%	2.967%	1.726%	3.274%
MD	861	793	68	4,906,066	907,959	3,998,107	0.116%	0.126%	0.000%	0.124%	0.668%	0.000%
ME	248	223	25	497,016	126,396	370,620	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,934	2,873	61	7,227,105	2,047,249	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,471	1,395	76	2,644,644	1,700,183	944,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	1.142%	1.212%	0.000%	0.737%	2.927%	0.000%
ND	209	182	27	559,198	253,973	305,225	0.957%	1.099%	0.000%	0.196%	0.432%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	36	30	6	1,444,605	143,223	1,301,382	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	695	659	36	1,662,962	1,400,064	262,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	291	270	21	960,972	271,081	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,347	1,116	231	4,924,771	981,494	3,943,277	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	49	36	13	3,561,368	147,360	3,414,008	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,084	934	150	2,937,104	572,354	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	86	77	9	902,061	162,083	739,978	1.163%	1.299%	0.000%	0.014%	0.080%	0.000%
SC	769	710	59	3,426,996	800,213	2,626,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	12	6	6	655,614	145,112	510,502	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	427	390	37	2,500,736	1,667,550	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	182	71	111	2,391,215	30,317	2,360,898	0.549%	0.000%	0.901%	0.379%	0.000%	0.384%
VT	442	409	33	432,910	181,746	251,164	0.226%	0.244%	0.000%	0.071%	0.169%	0.000%
WI	1,410	1,390	20	3,883,918	2,192,174	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	343	196	147	1,368,815	204,156	1,164,659	3.499%	4.592%	2.041%	0.829%	0.971%	0.804%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	33,015	29,961	3,054	184,477,775	67,983,066	116,494,709	0.221%	0.194%	0.491%	2.112%	4.608%	0.656%

Table A40c. Heptachlor Epoxide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.2 µg/L			Percent of Systems with At Least One Detection > 0.2 µg/L			Population Served by Systems with At Least One Detection > 0.2 µg/L			Percent of Population Served with At Least One Detection > 0.2 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	1	1	0	0.155%	0.190%	0.000%	13,849	13,849	0	0.163%	0.823%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	3	0	0.127%	0.135%	0.000%	799	799	0	0.012%	0.046%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.583%	0.510%	0.680%	4,699	325	4,374	0.343%	0.159%	0.376%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	6	5	1	0.018%	0.017%	0.033%	19,347	14,973	4,374	0.010%	0.022%	0.004%



Table A40d. Heptachlor Epoxide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.105%	0.111%	0.000%	245	245	0	0.004%	0.009%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	1	0	0.337%	0.353%	0.000%	31	31	0	0.003%	0.010%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.412%	0.000%	0.667%	254,462	0	254,462	5.517%	0.000%	6.006%
MA	2	1	1	0.311%	0.190%	0.855%	192,767	13,849	178,918	2.272%	0.823%	2.630%
MD	1	1	0	0.116%	0.126%	0.000%	6,062	6,062	0	0.124%	0.668%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	5	5	0	0.211%	0.224%	0.000%	1,638	1,638	0	0.024%	0.094%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	1	1	0	0.226%	0.244%	0.000%	308	308	0	0.071%	0.169%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	3	1	2	0.875%	0.510%	1.361%	6,499	325	6,174	0.475%	0.159%	0.530%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	15	11	4	0.045%	0.037%	0.131%	462,012	22,458	439,554	0.250%	0.033%	0.377%

Table A41. Hexachlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 1 µg/L	29,793	3	0.010%	67,957,193	2,273	0.003%
	≥ 0.5 µg/L	29,793	12	0.040%	67,957,193	18,893	0.028%
	> 0.1 µg/L	29,793	18	0.060%	67,957,193	23,963	0.035%
Surface Water	> 1 µg/L	3,033	1	0.033%	116,167,630	2,671	0.002%
	≥ 0.5 µg/L	3,033	34	1.121%	116,167,630	597,830	0.515%
	> 0.1 µg/L	3,033	39	1.286%	116,167,630	912,379	0.785%
Combined Ground & Surface Water	> 1 µg/L	32,826	4	0.012%	184,124,823	4,944	0.003%
	≥ 0.5 µg/L	32,826	46	0.140%	184,124,823	616,723	0.335%
	> 0.1 µg/L	32,826	57	0.174%	184,124,823	936,342	0.509%

Table A41a. Hexachlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	107	55	52	0.000%	0.000%	0.000%												
AL	518	387	131	0.000%	0.000%	0.000%												
AR	1,664	1,423	241	0.000%	0.000%	0.000%												
AZ	6,943	5,403	1,540	0.000%	0.000%	0.000%												
CA	14,410	8,397	6,013	0.007%	0.012%	0.000%	10	10		10	10		10	10		10	10	
CO	2,542	1,831	711	0.787%	0.928%	0.422%	0.01	0.01	0.02	0.02	0.02	0.05	0.055	0.04	0.21	0.21	0.06	0.21
CT	1,320	1,011	309	0.303%	0.396%	0.000%	0.22	0.22		0.22	0.22		0.22	0.22		0.22	0.22	
DE	1,357	1,312	45	0.000%	0.000%	0.000%												
FL	2,393	2,327	66	0.418%	0.430%	0.000%	0.002	0.002		0.002	0.002		0.005	0.005		0.008	0.008	
GA	1,483	1,402	81	0.135%	0.000%	2.469%	2		2	2		2	2		2			2
HI	2,101	2,004	97	0.000%	0.000%	0.000%												
IA	151	134	17	1.987%	2.239%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
ID	2,299	2,018	281	0.000%	0.000%	0.000%												
IL	3,865	3,132	733	0.000%	0.000%	0.000%												
IN	2,250	2,086	164	0.000%	0.000%	0.000%												
KY	2,148	568	1,580	2.654%	1.761%	2.975%	0.05	0.5	0.05	0.5	0.5	0.5	0.5	2.85	0.5	5.2	5.2	0.5
MA	3,046	2,246	800	0.492%	0.401%	0.750%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MD	2,775	1,730	1,045	0.072%	0.116%	0.000%	0.02	0.02		0.02	0.02		0.02	0.02		0.02	0.02	
ME	456	391	65	0.000%	0.000%	0.000%												
MI	6,886	6,434	452	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.021%	0.022%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
MO	5,563	4,695	868	0.000%	0.000%	0.000%												
MT	3,009	2,701	308	0.033%	0.000%	0.325%	0.11		0.11	0.11		0.11	0.11		0.11		0.11	
NC	13,604	12,482	1,122	0.000%	0.000%	0.000%												
ND	65	42	23	0.000%	0.000%	0.000%												
NE	4,480	4,131	349	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	41	33	8	0.000%	0.000%	0.000%												
NM	4,357	4,107	250	0.023%	0.024%	0.000%	0.06	0.06		0.06	0.06		0.06	0.06		0.06	0.06	
NV	1,620	1,186	434	0.000%	0.000%	0.000%												
NY	2,926	2,188	738	0.000%	0.000%	0.000%												
OH	234	97	137	0.000%	0.000%	0.000%												
OK																		
OR	2,057	1,572	485	0.097%	0.064%	0.206%	0.1	0.1	0.12	0.11	0.1	0.12	0.12	0.1	0.12	0.12	0.1	0.12
RI	923	630	293	0.000%	0.000%	0.000%												
SC	2,907	2,517	390	0.034%	0.040%	0.000%	0.2	0.2		0.2	0.2		0.2	0.2		0.2	0.2	
SD	956	843	113	0.000%	0.000%	0.000%												
TN	62	12	50	0.000%	0.000%	0.000%												
TX	11,038	5,279	5,759	0.000%	0.000%	0.000%												
UT	7,101	5,915	1,186	0.000%	0.000%	0.000%												
VA	503	178	325	0.000%	0.000%	0.000%												
VT	1,317	1,115	202	0.152%	0.090%	0.495%	0.05	0.05	0.1	0.075	0.05	0.1	0.1	0.05	0.1	0.1	0.05	0.1
WI	3,185	3,092	93	0.094%	0.065%	1.075%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
WV	627	321	306	2.233%	2.804%	1.634%	0.01	0.01	0.01	0.01	0.01	0.1	0.5	5	0.5	5	5	0.5
WY	1,269	958	311	0.000%	0.000%	0.000%												
Total	135,512	106,879	28,633	0.103%	0.067%	0.234%	0.002	0.002	0.01	0.1	0.045	0.5	0.5	0.5	0.5	10	10	2

Table A41b. Hexachlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	18	11	7	246,541	14,331	232,210	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	175	130	45	2,737,924	625,336	2,112,588	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	450	379	71	2,447,627	905,863	1,541,764	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	939	891	48	6,077,750	2,707,159	3,370,591	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CA	1,674	1,381	293	33,991,142	12,276,578	21,714,564	0.060%	0.072%	0.000%	0.000%	0.000%	0.000%
CO	808	589	219	4,990,621	523,712	4,466,909	2.104%	2.377%	1.370%	0.732%	1.441%	0.649%
CT	654	617	37	2,589,153	261,886	2,327,267	0.612%	0.648%	0.000%	0.164%	1.623%	0.000%
DE	247	244	3	647,226	365,826	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,315	1,294	21	16,791,489	14,552,313	2,239,176	0.380%	0.386%	0.000%	15.509%	17.895%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.337%	0.000%	7.143%	0.268%	0.000%	0.386%
HI	112	100	12	1,305,882	1,251,254	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	95	93	2	238,892	99,507	139,385	3.158%	3.226%	0.000%	0.513%	1.231%	0.000%
ID	856	802	54	1,065,342	818,934	246,408	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,132	1,031	101	9,103,070	2,907,148	6,195,922	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,402	1,358	44	4,866,869	2,547,133	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	18.930%	10.753%	24.000%	19.179%	4.932%	20.441%
MA	643	526	117	8,485,275	1,682,893	6,802,382	1.711%	1.331%	3.419%	3.198%	6.699%	2.332%
MD	861	793	68	4,906,066	907,959	3,998,107	0.116%	0.126%	0.000%	0.510%	2.753%	0.000%
ME	269	241	28	510,420	134,500	375,920	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,930	2,869	61	7,224,826	2,044,970	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.078%	0.079%	0.000%	0.025%	0.037%	0.000%
MO	1,471	1,395	76	2,644,644	1,700,183	944,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.123%	0.000%	1.667%	5.108%	0.000%	9.799%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ND	27	21	6	47,615	40,586	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	36	30	6	1,444,605	143,223	1,301,382	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	695	659	36	1,662,962	1,400,064	262,898	0.144%	0.152%	0.000%	0.144%	0.171%	0.000%
NV	292	271	21	961,092	271,201	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,343	1,113	230	4,923,557	981,867	3,941,690	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	46	36	10	3,537,892	147,360	3,390,532	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,083	933	150	2,936,954	572,204	2,364,750	0.185%	0.107%	0.667%	0.565%	0.122%	0.672%
RI	105	97	8	902,560	163,122	739,438	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	770	711	59	3,427,270	800,487	2,626,783	0.130%	0.141%	0.000%	0.004%	0.015%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	12	6	6	655,614	145,112	510,502	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,671	1,667,485	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	182	71	111	2,391,215	30,317	2,360,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	442	409	33	432,954	181,790	251,164	0.452%	0.244%	3.030%	1.432%	0.169%	2.345%
WI	1,410	1,390	20	3,883,918	2,192,174	1,691,744	0.213%	0.144%	5.000%	0.687%	0.243%	1.261%
WV	335	190	145	1,369,590	205,837	1,163,753	3.582%	4.737%	2.069%	0.828%	0.963%	0.804%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	32,826	29,793	3,033	184,124,823	67,957,193	116,167,630	0.341%	0.205%	1.682%	2.136%	4.099%	0.988%

Table A41c. Hexachlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 1 µg/L			Percent of Systems with At Least One Detection > 1 µg/L			Population Served by Systems with At Least One Detection > 1 µg/L			Percent of Population Served with At Least One Detection > 1 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.060%	0.072%	0.000%	50	50	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.337%	0.000%	7.143%	2,671	0	2,671	0.268%	0.000%	0.386%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	1	0	0.412%	1.075%	0.000%	1,898	1,898	0	0.041%	0.506%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	1	0	0.299%	0.526%	0.000%	325	325	0	0.024%	0.158%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	4	3	1	0.012%	0.010%	0.033%	4,944	2,273	2,671	0.003%	0.003%	0.002%

Table A41d. Hexachlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.060%	0.072%	0.000%	50	50	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.337%	0.000%	7.143%	2,671	0	2,671	0.268%	0.000%	0.386%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	42	10	32	17.284%	10.753%	21.333%	609,303	18,518	590,785	13.210%	4.932%	13.944%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.597%	0.526%	0.690%	4,699	325	4,374	0.343%	0.158%	0.376%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	46	12	34	0.140%	0.040%	1.121%	616,723	18,893	597,830	0.335%	0.028%	0.515%

Table A41e. Hexachlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.1 µg/L			Percent of Systems with At Least One Detection > 0.1 µg/L			Population Served by Systems with At Least One Detection > 0.1 µg/L			Percent of Population Served with At Least One Detection > 0.1 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.060%	0.072%	0.000%	50	50	0	0.000%	0.000%	0.000%
CO	1	0	1	0.124%	0.000%	0.457%	3,930	0	3,930	0.079%	0.000%	0.088%
CT	4	4	0	0.612%	0.648%	0.000%	4,250	4,250	0	0.164%	1.623%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.337%	0.000%	7.143%	2,671	0	2,671	0.268%	0.000%	0.386%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	43	10	33	17.695%	10.753%	22.000%	863,765	18,518	845,247	18.727%	4.932%	19.950%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	1	0	1	0.123%	0.000%	1.667%	38,477	0	38,477	5.108%	0.000%	9.799%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	2	1	1	0.185%	0.107%	0.667%	16,580	700	15,880	0.565%	0.122%	0.672%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	1	0	0.130%	0.141%	0.000%	120	120	0	0.004%	0.015%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	3	1	2	0.896%	0.526%	1.379%	6,499	325	6,174	0.475%	0.158%	0.531%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	57	18	39	0.174%	0.060%	1.286%	936,342	23,963	912,379	0.509%	0.035%	0.785%

Table A42. Hexachlorocyclopentadiene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 50 µg/L	29,767	0	0.000%	67,981,852	0	0.000%
	≥ 40 µg/L	29,767	0	0.000%	67,981,852	0	0.000%
	≥ 25 µg/L	29,767	0	0.000%	67,981,852	0	0.000%
Surface Water	> 50 µg/L	3,034	0	0.000%	116,756,578	0	0.000%
	≥ 40 µg/L	3,034	0	0.000%	116,756,578	0	0.000%
	≥ 25 µg/L	3,034	0	0.000%	116,756,578	0	0.000%
Combined Ground & Surface Water	> 50 µg/L	32,801	0	0.000%	184,738,430	0	0.000%
	≥ 40 µg/L	32,801	0	0.000%	184,738,430	0	0.000%
	≥ 25 µg/L	32,801	0	0.000%	184,738,430	0	0.000%



Table A42a. Hexachlorocyclopentadiene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	112	59	53	0.893%	0.000%	1.887%	0.13		0.13	0.13		0.13	0.13		0.13	0.13		0.13
AL	549	390	159	0.000%	0.000%	0.000%												
AR	1,658	1,423	235	2.413%	0.000%	17.021%	0.01		0.01	0.02		0.02	0.1		0.1	0.5		0.5
AZ	7,042	5,492	1,550	0.043%	0.018%	0.129%	0.11	0.11	0.11	0.11	0.11	0.405	0.7	0.11	0.7	0.7	0.11	0.7
CA	14,048	8,117	5,931	0.014%	0.012%	0.017%	0.04	3.1	0.04	1.57	3.1	0.04	3.1	3.1	0.04	3.1	3.1	0.04
CO	2,571	1,837	734	2.334%	0.544%	6.812%	0.03	0.03	0.04	0.16	0.07	0.2	0.775	0.465	0.8	1.7	0.73	1.7
CT	1,319	1,010	309	0.227%	0.297%	0.000%	0.22	0.22		0.22	0.22		0.22	0.22		0.22	0.22	
DE	1,350	1,305	45	0.074%	0.077%	0.000%	1	1		1	1		1	1		1	1	
FL	2,428	2,358	70	1.277%	1.315%	0.000%	0.005	0.005		0.25	0.25		0.97	0.97		1.6	1.6	
GA	1,482	1,402	80	0.067%	0.000%	1.250%	0.09		0.09	0.09		0.09	0.09		0.09	0.09		0.09
HI	2,101	2,004	97	1.523%	0.200%	28.866%	0.05	0.05	0.05	0.08	0.065	0.08	0.14	0.08	0.14	0.16	0.08	0.16
IA	149	132	17	0.000%	0.000%	0.000%												
ID	2,298	2,017	281	0.131%	0.000%	1.068%	0.07		0.07	0.1		0.1	0.5		0.5	0.5		0.5
IL	3,898	3,129	769	0.000%	0.000%	0.000%												
IN	2,242	2,070	172	0.089%	0.000%	1.163%	0.1		0.1	0.15		0.15	0.2		0.2	0.2		0.2
KY	2,153	570	1,583	3.019%	1.930%	3.411%	0.001	0.11	0.001	10	10	10	10	10	10	15	15	10
MA	3,014	2,227	787	0.398%	0.090%	1.271%	0.04	0.1	0.04	0.1	0.1	0.085	0.14	0.1	0.17	0.2	0.1	0.2
MD	2,794	1,735	1,059	0.322%	0.000%	0.850%	0.01		0.01	0.1		0.1	0.5		0.5	0.5		0.5
ME	456	391	65	1.096%	0.000%	7.692%	0.16		0.16	0.22		0.22	0.58		0.58	0.58		0.58
MI	6,875	6,423	452	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.021%	0.000%	0.709%	0.4		0.4	0.4		0.4	0.4		0.4	0.4		0.4
MO	5,563	4,695	868	0.000%	0.000%	0.000%												
MT	3,010	2,699	311	0.233%	0.000%	2.251%	0.05		0.05	0.11		0.11	0.2		0.2	0.2		0.2
NC	13,576	12,453	1,123	0.243%	0.104%	1.781%	0.1	0.1	0.11	0.19	0.29	0.155	0.31	0.4	0.235	1.86	1.86	0.28
ND	67	42	25	0.000%	0.000%	0.000%												
NE	4,480	4,131	349	0.000%	0.000%	0.000%												
NH	4,197	3,875	322	0.262%	0.026%	3.106%	0.1	0.6	0.1	0.1	0.6	0.1	0.38	0.6	0.34	0.6	0.6	0.38
NJ	40	33	7	2.500%	3.030%	0.000%	0.19	0.19		0.19	0.19		0.19	0.19		0.19	0.19	
NM	4,360	4,108	252	0.023%	0.024%	0.000%	0.7	0.7		0.7	0.7		0.7	0.7		0.7	0.7	
NV	1,621	1,189	432	0.062%	0.000%	0.231%	0.07		0.07	0.07		0.07	0.07		0.07	0.07		0.07
NY	2,921	2,184	737	0.000%	0.000%	0.000%												
OH	229	95	134	0.000%	0.000%	0.000%												
OK																		
OR	2,051	1,567	484	0.098%	0.000%	0.413%	0.1		0.1	0.115		0.115	0.13		0.13	0.13		0.13
RI	923	630	293	0.000%	0.000%	0.000%												
SC	2,880	2,490	390	0.313%	0.361%	0.000%	10	10		10	10		10	10		10	10	
SD	952	843	109	0.000%	0.000%	0.000%												
TN	63	10	53	0.000%	0.000%	0.000%												
TX	11,038	5,279	5,759	0.109%	0.019%	0.191%	0.3	0.31	0.3	0.38	0.31	0.39	0.69	0.31	0.69	0.71	0.31	0.71
UT	7,108	5,920	1,188	0.070%	0.068%	0.084%	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.4	0.4	0.3	0.4
VA	505	178	327	0.000%	0.000%	0.000%												
VT	1,314	1,112	202	0.228%	0.090%	0.990%	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.1
WI	3,184	3,091	93	0.000%	0.000%	0.000%												
WV	650	338	312	2.154%	2.663%	1.603%	0.05	0.05	0.05	0.05	0.05	0.1	0.5	0.53	0.5	0.53	0.53	0.5
WY	1,258	948	310	0.477%	0.000%	1.935%	0.03		0.03	0.14		0.14	0.25		0.25	0.25		0.25
Total	135,290	106,621	28,669	0.278%	0.098%	0.949%	0.001	0.005	0.001	0.15	0.275	0.13	10	10	10	15	15	10

Table A42b. Hexachlorocyclopentadiene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	18	11	7	246,541	14,331	232,210	5.556%	0.000%	14.286%	1.254%	0.000%	1.332%
AL	177	131	46	3,492,436	718,414	2,774,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	450	379	71	2,447,627	905,863	1,541,764	5.333%	0.000%	33.803%	21.686%	0.000%	34.428%
AZ	937	889	48	6,069,368	2,698,777	3,370,591	0.320%	0.112%	4.167%	39.044%	25.054%	50.246%
CA	1,640	1,353	287	33,859,665	12,218,039	21,641,626	0.122%	0.074%	0.348%	0.016%	0.046%	0.000%
CO	808	589	219	4,990,621	523,712	4,466,909	3.960%	1.698%	10.046%	5.929%	0.481%	6.568%
CT	654	617	37	2,589,153	261,886	2,327,267	0.459%	0.486%	0.000%	0.144%	1.423%	0.000%
DE	247	244	3	647,226	365,826	281,400	0.405%	0.410%	0.000%	0.010%	0.018%	0.000%
FL	1,317	1,294	23	16,795,482	14,552,477	2,243,005	1.139%	1.159%	0.000%	16.924%	19.533%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.337%	0.000%	7.143%	18.049%	0.000%	26.011%
HI	112	100	12	1,305,882	1,251,254	54,628	4.464%	2.000%	25.000%	2.051%	1.498%	14.707%
IA	96	94	2	238,964	99,579	139,385	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	855	801	54	1,065,312	818,904	246,408	0.234%	0.000%	3.704%	17.469%	0.000%	75.524%
IL	1,132	1,031	101	9,103,070	2,907,148	6,195,922	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,401	1,357	44	4,866,289	2,546,553	2,319,736	0.071%	0.000%	2.273%	0.033%	0.000%	0.069%
KY	243	93	150	4,612,320	375,460	4,236,860	20.988%	11.828%	26.667%	22.093%	7.186%	23.414%
MA	642	525	117	8,484,975	1,682,593	6,802,382	1.246%	0.381%	5.128%	45.408%	0.769%	56.449%
MD	861	793	68	4,906,066	907,959	3,998,107	0.465%	0.000%	5.882%	70.920%	0.000%	87.026%
ME	269	241	28	510,420	134,500	375,920	1.115%	0.000%	10.714%	1.622%	0.000%	2.203%
MI	2,934	2,873	61	7,227,105	2,047,249	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.078%	0.000%	3.448%	0.001%	0.000%	0.004%
MO	1,471	1,395	76	2,644,644	1,700,183	944,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.369%	0.000%	5.000%	5.261%	0.000%	10.092%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.846%	0.449%	7.299%	4.541%	11.510%	2.196%
ND	26	20	6	45,611	38,582	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.404%	0.084%	9.756%	6.598%	4.799%	7.894%
NJ	36	30	6	1,444,605	143,223	1,301,382	2.778%	3.333%	0.000%	0.026%	0.262%	0.000%
NM	695	659	36	1,662,962	1,400,064	262,898	0.144%	0.152%	0.000%	0.024%	0.029%	0.000%
NV	292	271	21	961,092	271,201	689,891	0.342%	0.000%	4.762%	5.879%	0.000%	8.190%
NY	1,343	1,113	230	4,923,707	982,017	3,941,690	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	46	36	10	3,537,892	147,360	3,390,532	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,083	933	150	2,936,954	572,204	2,364,750	0.185%	0.000%	1.333%	0.011%	0.000%	0.014%
RI	105	97	8	902,560	163,122	739,438	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	767	708	59	3,426,157	799,374	2,626,783	0.913%	0.989%	0.000%	0.018%	0.077%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	11	5	6	650,577	144,562	506,015	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	0.450%	0.060%	2.374%	0.240%	0.003%	0.327%
UT	426	389	37	2,500,671	1,667,485	833,186	0.469%	0.257%	2.703%	0.937%	1.379%	0.052%
VA	184	71	113	2,391,419	30,317	2,361,102	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	441	408	33	432,879	181,715	251,164	0.454%	0.245%	3.030%	1.432%	0.169%	2.345%
WI	1,410	1,390	20	3,883,918	2,192,174	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	344	197	147	1,370,985	206,326	1,164,659	3.488%	4.569%	2.041%	0.827%	0.961%	0.804%
WY	304	256	48	446,177	129,229	316,948	0.987%	0.000%	6.250%	0.246%	0.000%	0.346%
Total	32,801	29,767	3,034	184,738,430	67,981,852	116,756,578	0.686%	0.262%	4.845%	8.321%	5.641%	9.882%

Table A42c. Hexachlorocyclopentadiene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 50 µg/L			Percent of Systems with At Least One Detection > 50 µg/L			Population Served by Systems with At Least One Detection > 50 µg/L			Percent of Population Served with At Least One Detection > 50 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A42d. Hexachlorocyclopentadiene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 40 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 40 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 40 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 40 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A42e. Hexachlorocyclopentadiene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 25 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 25 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 25 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 25 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.2 µg/L	30,143	2	0.007%	68,277,043	462	0.001%
	≥ 0.1 µg/L	30,143	11	0.036%	68,277,043	36,143	0.053%
Surface Water	> 0.2 µg/L	3,122	1	0.032%	118,981,892	4,374	0.004%
	≥ 0.1 µg/L	3,122	4	0.128%	118,981,892	512,063	0.430%
Combined Ground & Surface Water	> 0.2 µg/L	33,265	3	0.009%	187,258,935	4,836	0.003%
	≥ 0.1 µg/L	33,265	15	0.045%	187,258,935	548,206	0.293%

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	99	50	49	0.000%	0.000%	0.000%												
AL	562	424	138	0.356%	0.236%	0.725%	0.15	0.16	0.15	0.155	0.16	0.15	0.16	0.16	0.15	0.16	0.16	0.15
AR	1,664	1,423	241	0.000%	0.000%	0.000%												
AZ	7,221	5,643	1,578	0.028%	0.035%	0.000%	0.02	0.02		0.06	0.06		0.1	0.1		0.1	0.1	
CA	14,361	8,298	6,063	0.007%	0.012%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
CO	2,538	1,837	701	0.039%	0.054%	0.000%	0.02	0.02		0.02	0.02		0.02	0.02		0.02	0.02	
CT	1,602	1,015	587	0.499%	0.099%	1.193%	0.01	0.05	0.01	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
DE	758	729	29	1.319%	1.372%	0.000%	0.01	0.01		0.025	0.025		0.075	0.075		0.1	0.1	
FL	2,392	2,325	67	0.502%	0.516%	0.000%	0.003	0.003		0.003	0.003		0.006	0.006		0.06	0.06	
GA	1,482	1,402	80	0.000%	0.000%	0.000%												
HI	1,948	1,851	97	0.000%	0.000%	0.000%												
IA	149	132	17	0.000%	0.000%	0.000%												
ID	1,739	1,482	257	0.000%	0.000%	0.000%												
IL	4,684	3,949	735	0.064%	0.076%	0.000%	0.002	0.002		0.02	0.02		0.05	0.05		0.05	0.05	
IN	2,247	2,084	163	0.178%	0.192%	0.000%	0.02	0.02		0.05	0.05		0.07	0.07		0.07	0.07	
KY	1,753	445	1,308	0.342%	0.225%	0.382%	0.001	0.01	0.001	0.11	0.01	0.2	0.2	0.01	0.2	0.2	0.01	0.2
MA	3,033	2,244	789	0.165%	0.045%	0.507%	0.02	0.02	0.02	0.02	0.02	0.02	0.07	0.02	0.07	0.07	0.02	0.07
MD	2,720	1,726	994	0.294%	0.000%	0.805%	0.01	0.01	0.01	0.03	0.03	0.03	0.1	0.1	0.1	0.1	0.1	0.1
ME	456	391	65	0.000%	0.000%	0.000%												
MI	6,875	6,423	452	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	5,559	4,691	868	0.000%	0.000%	0.000%												
MT	3,002	2,694	308	0.000%	0.000%	0.000%												
NC	13,616	12,479	1,137	0.492%	0.537%	0.000%	0.02	0.02		0.06	0.06		0.12	0.12		0.69	0.69	
ND	407	341	66	0.000%	0.000%	0.000%												
NE	4,480	4,131	349	0.022%	0.024%	0.000%	0.08	0.08		0.08	0.08		0.08	0.08		0.08	0.08	
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	41	33	8	2.439%	3.030%	0.000%	0.05	0.05		0.05	0.05		0.05	0.05		0.05	0.05	
NM	4,355	4,105	250	0.000%	0.000%	0.000%												
NV	1,633	1,194	439	0.000%	0.000%	0.000%												
NY	2,926	2,192	734	0.000%	0.000%	0.000%												
OH	669	433	236	0.000%	0.000%	0.000%												
OK																		
OR	2,055	1,570	485	0.049%	0.000%	0.206%	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
RI	601	414	187	0.166%	0.242%	0.000%	0.02	0.02		0.02	0.02		0.02	0.02		0.02	0.02	
SC	2,929	2,538	391	0.000%	0.000%	0.000%												
SD	953	844	109	0.000%	0.000%	0.000%												
TN	79	13	66	0.000%	0.000%	0.000%												
TX	11,038	5,279	5,759	0.000%	0.000%	0.000%												
UT	7,115	5,927	1,188	0.000%	0.000%	0.000%												
VA	459	165	294	0.000%	0.000%	0.000%												
VT	1,322	1,119	203	0.076%	0.089%	0.000%	0.06	0.06		0.06	0.06		0.06	0.06		0.06	0.06	
WI	3,183	3,090	93	0.000%	0.000%	0.000%												
WV	643	335	308	2.022%	2.687%	1.299%	0.004	0.004	0.0044	0.0044	0.0044	0.0122	0.5	0.5	0.5	0.5	0.5	0.5
WY	1,283	963	320	0.000%	0.000%	0.000%												
Total	135,585	106,917	28,668	0.108%	0.109%	0.105%	0.001	0.002	0.001	0.04	0.04	0.03	0.11	0.11	0.2	0.69	0.69	0.5

Table A43b. Lindane (gamma-Hexachlorocyclohexane) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
	AK	14	9	5	246,238	14,248	231,990	0.000%	0.000%	0.000%	0.000%	0.000%
AL	178	132	46	2,786,308	640,232	2,146,076	1.124%	0.758%	2.174%	8.924%	0.459%	11.450%
AR	450	379	71	2,447,627	905,863	1,541,764	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	948	900	48	6,081,133	2,710,542	3,370,591	0.211%	0.222%	0.000%	0.012%	0.028%	0.000%
CA	1,645	1,351	294	33,787,721	12,066,131	21,721,590	0.061%	0.074%	0.000%	0.020%	0.055%	0.000%
CO	811	592	219	4,991,819	524,910	4,466,909	0.123%	0.169%	0.000%	0.006%	0.054%	0.000%
CT	657	619	38	2,595,377	261,490	2,333,887	0.761%	0.162%	10.526%	17.147%	0.140%	19.052%
DE	201	198	3	628,982	347,582	281,400	0.995%	1.010%	0.000%	11.717%	21.202%	0.000%
FL	1,315	1,294	21	16,791,489	14,552,313	2,239,176	0.456%	0.464%	0.000%	15.540%	17.931%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	100	88	12	1,256,886	1,202,258	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	96	94	2	238,964	99,579	139,385	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	723	676	47	979,385	742,709	236,676	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,371	1,267	104	9,186,700	2,986,303	6,200,397	0.219%	0.237%	0.000%	0.170%	0.524%	0.000%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.214%	0.221%	0.000%	0.141%	0.268%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	1.646%	1.075%	2.000%	7.746%	0.058%	8.427%
MA	644	527	117	8,485,298	1,682,916	6,802,382	0.621%	0.190%	2.564%	1.923%	0.903%	2.175%
MD	861	793	68	4,906,066	907,959	3,998,107	0.465%	0.000%	5.882%	71.708%	0.000%	87.992%
ME	269	241	28	510,420	134,500	375,920	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,935	2,874	61	7,227,231	2,047,375	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,471	1,395	76	2,644,644	1,700,183	944,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	1.311%	1.391%	0.000%	1.084%	4.303%	0.000%
ND	208	181	27	559,142	253,917	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.131%	0.133%	0.000%	0.005%	0.012%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	36	30	6	1,444,605	143,223	1,301,382	2.778%	3.333%	0.000%	2.284%	23.041%	0.000%
NM	695	659	36	1,662,962	1,400,064	262,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	288	267	21	959,822	269,931	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,344	1,113	231	4,921,386	978,109	3,943,277	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	280	202	78	6,539,484	514,829	6,024,655	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,084	934	150	2,937,354	572,604	2,364,750	0.092%	0.000%	0.667%	0.417%	0.000%	0.518%
RI	86	77	9	902,061	162,083	739,978	1.163%	1.299%	0.000%	0.510%	2.838%	0.000%
SC	770	711	59	3,427,270	800,487	2,626,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	19	7	12	752,805	145,338	607,467	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	428	391	37	2,502,301	1,669,115	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	171	67	104	2,129,631	28,445	2,101,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	442	409	33	432,910	181,746	251,164	0.226%	0.244%	0.000%	0.071%	0.169%	0.000%
WI	1,410	1,390	20	3,883,918	2,192,174	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	342	195	147	1,368,695	204,036	1,164,659	3.216%	4.615%	1.361%	0.697%	0.971%	0.649%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	33,265	30,143	3,122	187,258,935	68,277,043	118,981,892	0.253%	0.219%	0.577%	4.048%	4.169%	3.978%



State	Number of Systems with At Least One Detection > 0.2 µg/L			Percent of Systems with At Least One Detection > 0.2 µg/L			Population Served by Systems with At Least One Detection > 0.2 µg/L			Percent of Population Served with At Least One Detection > 0.2 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	137	137	0	0.002%	0.008%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.585%	0.513%	0.680%	4,699	325	4,374	0.343%	0.159%	0.376%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	3	2	1	0.009%	0.007%	0.032%	4,836	462	4,374	0.003%	0.001%	0.004%

State	Number of Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	2	1	1	1.124%	0.758%	2.174%	248,664	2,937	245,727	8.924%	0.459%	11.450%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	1	0	0.105%	0.111%	0.000%	245	245	0	0.004%	0.009%	0.000%
CA	1	1	0	0.061%	0.074%	0.000%	6,650	6,650	0	0.020%	0.055%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	1	1	0	0.498%	0.505%	0.000%	4,800	4,800	0	0.763%	1.381%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.412%	0.000%	0.667%	254,462	0	254,462	5.517%	0.000%	6.006%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	0	1	0.116%	0.000%	1.471%	7,500	0	7,500	0.153%	0.000%	0.188%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	6	6	0	0.254%	0.269%	0.000%	21,186	21,186	0	0.308%	1.222%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.585%	0.513%	0.680%	4,699	325	4,374	0.343%	0.159%	0.376%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	15	11	4	0.045%	0.036%	0.128%	548,206	36,143	512,063	0.293%	0.053%	0.430%

Table A44. Mercury (Inorganic) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.002 mg/L	44,863	64	0.143%	85,514,854	617,666	0.722%
	≥ 0.001 mg/L	44,863	223	0.497%	85,514,854	2,282,255	2.669%
Surface Water	> 0.002 mg/L	3,996	18	0.450%	144,338,525	1,973,654	1.367%
	≥ 0.001 mg/L	3,996	51	1.276%	144,338,525	10,552,870	7.311%
Combined Ground & Surface Water	> 0.002 mg/L	48,859	82	0.168%	229,853,379	2,591,320	1.127%
	≥ 0.001 mg/L	48,859	274	0.561%	229,853,379	12,835,125	5.584%

Table A44a. Mercury (Inorganic) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	866	613	253	1.963%	2.121%	1.581%	0.0002	0.0002	0.0002	0.0003	0.0003	0.0002	0.00051	0.00051	0.00027	0.0071	0.0071	0.00027
AL	2,683	1,829	854	1.416%	1.093%	2.108%	0.00003	0.00006	0.00003	0.0005	0.00047	0.00059	0.00147	0.0011	0.0015	0.002	0.002	0.0019
AR	2,186	1,529	657	0.091%	0.131%	0.000%	0.0005	0.0005		0.0005	0.0005		0.0005	0.0005		0.0005	0.0005	
AZ	6,219	4,855	1,364	1.769%	1.833%	1.540%	0.0001	0.0001	0.00012	0.0003	0.00039	0.0002	0.0011	0.0011	0.001	0.0031	0.0031	0.0011
CA	34,622	20,422	14,200	1.765%	2.155%	1.204%	2.1E-05	2.1E-05	2.2E-05	0.00011	0.00012	0.0001	0.0012	0.0012	0.0012	0.01	0.01	0.009
CO	4,378	2,321	2,057	1.256%	0.991%	1.556%	0.00005	0.0001	0.00005	0.0002	0.0002	0.00021	0.00097	0.00097	0.00051	0.002	0.0018	0.002
CT	2,589	1,866	723	1.159%	1.447%	0.415%	0.00009	0.00009	0.0002	0.0003	0.00029	0.0003	0.0002	0.0002	0.0002	0.002	0.002	0.002
DE	762	709	53	2.493%	2.539%	1.887%	0.0001	0.0001	0.0001	0.0005	0.0005	0.0001	0.002	0.002	0.0001	0.01	0.01	0.0001
FL	2,149	2,080	69	5.398%	5.481%	2.899%	0.0001	0.0001	0.0001	0.0002	0.0002	0.0004	0.0007	0.0007	0.0007	0.002	0.002	0.0007
GA	3,646	3,005	641	0.082%	0.033%	0.312%	0.00026	0.0016	0.00026	0.0016	0.0016	0.00263	0.005	0.0016	0.005	0.005	0.0016	0.005
HI	1,178	1,116	62	0.170%	0.179%	0.000%	0.0006	0.0006		0.00065	0.00065		0.0007	0.0007		0.0007	0.0007	
IA	1,491	1,228	263	0.671%	0.814%	0.000%	0.0002	0.0002		0.00037	0.00037		0.00081	0.00081		0.001	0.001	
ID	2,664	2,386	278	1.051%	1.006%	1.439%	0.0001	0.0001	0.0002	0.00042	0.00047	0.0003	0.0022	0.0022	0.0009	0.06	0.06	0.0009
IL	3,420	3,017	403	0.526%	0.464%	0.993%	6.5E-05	6.5E-05	0.00011	0.0002	0.00022	0.00017	0.00096	0.00096	0.0003	0.002	0.002	0.0003
IN	4,699	4,216	483	1.000%	0.783%	2.899%	0.0001	0.0001	0.0001	0.00023	0.0002	0.00055	0.0013	0.0015	0.0009	0.002	0.002	0.001
KY	1,758	532	1,226	4.039%	2.820%	4.568%	0.0001	0.0002	0.0001	0.0003	0.0003	0.0003	0.0007	0.0085	0.0007	0.0086	0.0086	0.003
MA	2,982	2,022	960	1.979%	2.324%	1.250%	0.00004	0.00004	0.0002	0.00027	0.00026	0.0005	0.001	0.001	0.0005	0.01	0.01	0.002
MD	5,096	3,986	1,110	0.608%	0.477%	1.081%	0.0001	0.0002	0.0001	0.0005	0.0005	0.00055	0.0019	0.002	0.0016	0.006	0.006	0.0032
ME	2,702	2,302	400	1.925%	2.215%	0.250%	0.00005	0.00005	0.0001	0.0001	0.0001	0.0001	0.00013	0.00013	0.0001	0.0003	0.0003	0.0001
MI	5,591	5,436	155	4.525%	4.507%	5.161%	0.00003	0.00003	0.00003	0.00004	0.00004	0.00004	0.00013	0.00014	0.0001	0.00506	0.00506	0.0001
MN	3,207	3,159	48	0.904%	0.823%	6.250%	0.00003	0.00003	0.00003	0.00006	0.00006	0.00005	0.00027	0.00027	0.00012	0.00037	0.00037	0.00012
MO	5,704	4,923	781	0.666%	0.711%	0.384%	0.00004	0.00004	0.00016	0.00028	0.00028	0.00019	0.00087	0.00087	0.00032	0.00114	0.00114	0.00032
MT	2,751	2,472	279	0.327%	0.324%	0.358%	0.0002	0.0002	0.0002	0.0003	0.0003	0.0002	0.0028	0.0028	0.0002	0.0028	0.0028	0.0002
NC	9,222	7,786	1,436	1.247%	1.259%	1.184%	0.00006	0.0001	0.00006	0.0003	0.0003	0.0003	0.0007	0.0007	0.0006	0.03	0.03	0.0007
ND	348	304	44	0.000%	0.000%	0.000%												
NE	1,937	1,849	88	0.000%	0.000%	0.000%												
NH	2,928	2,764	164	0.376%	0.398%	0.000%	0.0001	0.0001		0.0003	0.0003		0.0026	0.0026		0.0078	0.0078	
NJ	6,722	6,004	718	5.356%	5.763%	1.950%	0.00004	0.00004	0.00004	0.0004	0.00042	0.00025	0.00157	0.0016	0.0005	0.03	0.03	0.001
NM	3,508	3,182	326	1.226%	1.288%	0.613%	0.0002	0.0002	0.0005	0.0003	0.0003	0.00125	0.0014	0.0014	0.002	0.0026	0.0026	0.002
NV	1,836	1,305	531	1.634%	1.686%	1.507%	0.0001	0.0001	0.0002	0.0004	0.00039	0.00042	0.00091	0.001	0.00081	0.0028	0.0028	0.00081
NY	3,398	2,546	852	0.971%	0.943%	1.056%	0.0002	0.0002	0.0002	0.0002	0.0002	0.00028	0.002	0.002	0.0021	0.004	0.004	0.0021
OH	4,553	3,927	626	1.340%	1.477%	0.479%	0.00012	0.00012	0.00021	0.00035	0.00036	0.0003	0.001	0.00105	0.00065	0.02	0.02	0.00065
OK	420	346	74	0.476%	0.578%	0.000%	0.00005	0.00005		0.00014	0.00014		0.00022	0.00022		0.00022	0.00022	
OR	1,320	957	363	0.455%	0.627%	0.000%	0.0002	0.0002		0.00095	0.00095		0.0013	0.0013		0.0013	0.0013	
RI	904	674	230	0.221%	0.297%	0.000%	0.0025	0.0025		0.00625	0.00625		0.01	0.01		0.01	0.01	
SC	3,403	2,940	463	2.116%	1.259%	7.559%	0.0002	0.0002	0.00032	0.00045	0.0003	0.00049	0.002	0.0018	0.0039	0.02	0.0045	0.02
SD	388	359	29	1.289%	1.114%	3.448%	0.0002	0.0002	0.0011	0.0008	0.0005	0.0011	0.0013	0.0013	0.0011	0.0013	0.0013	0.0011
TN	1,631	482	1,149	1.165%	0.415%	1.480%	0.00009	0.0002	0.00009	0.0003	0.0007	0.0003	0.0012	0.0012	0.0011	0.0016	0.0012	0.0016
TX	14,712	12,141	2,571	0.387%	0.387%	0.389%	0.0002	0.0002	0.00021	0.0004	0.0005	0.0003	0.00125	0.0013	0.00053	0.0019	0.0019	0.00053
UT	6,931	5,432	1,499	5.194%	5.468%	4.203%	0.0001	0.0001	0.0001	0.0002	0.0002	0.0002	0.0004	0.0004	0.0004	0.001	0.001	0.0006
VA	2,804	2,195	609	0.713%	0.774%	0.493%	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.00075	0.001	0.0005	0.0026	0.0026	0.0005
VT	2,059	1,738	321	0.826%	0.921%	0.312%	0.00003	0.00003	0.0003	0.0002	0.0002	0.0003	0.002	0.002	0.0003	0.02	0.02	0.0003
WI	7,023	6,851	172	4.841%	4.904%	2.326%	2.5E-05	2.5E-05	0.0001	0.00015	0.00015	0.00045	0.00042	0.00041	0.0028	0.0077	0.0077	0.0028
WV	1,116	423	693	3.495%	4.965%	2.597%	9.3E-05	9.3E-05	9.3E-05	0.001	0.001	0.00057	0.002	0.001	0.0027	0.1	0.002	0.1
WY	1,123	875	248	0.890%	1.029%	0.403%	0.0001	0.0001	0.003	0.00055	0.0005	0.003	0.00225	0.0015	0.003	0.003	0.0015	0.003
Total	181,629	141,104	40,525	1.789%	1.894%	1.426%	2.1E-05	2.1E-05	2.2E-05	0.0002	0.0002	0.0002	0.001	0.001	0.001	0.1	0.06	0.1

Table A44b. Mercury (Inorganic) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	490	389	101	546,448	210,227	336,221	3.061%	3.085%	2.970%	43.258%	1.748%	69.213%
AL	352	279	73	4,701,100	1,463,066	3,238,034	7.955%	5.735%	16.438%	28.081%	10.073%	36.218%
AR	453	381	72	2,452,800	909,774	1,543,026	0.221%	0.262%	0.000%	0.020%	0.054%	0.000%
AZ	1,049	1,001	48	6,161,306	2,790,715	3,370,591	5.338%	4.795%	16.667%	51.813%	10.985%	85.617%
CA	3,772	3,252	520	36,340,528	13,511,104	22,829,424	6.098%	5.566%	9.423%	33.929%	32.197%	34.954%
CO	838	617	221	4,998,506	533,275	4,465,231	4.415%	2.593%	9.502%	17.246%	1.553%	19.121%
CT	1,170	1,131	39	2,716,176	382,254	2,333,922	2.393%	2.210%	7.692%	3.019%	1.056%	3.341%
DE	281	278	3	679,823	398,423	281,400	2.135%	1.799%	33.333%	20.553%	8.648%	37.409%
FL	1,335	1,309	26	17,251,183	15,005,141	2,246,042	4.270%	4.202%	7.692%	26.294%	28.131%	14.021%
GA	1,734	1,618	116	7,466,977	1,574,196	5,892,781	0.173%	0.062%	1.724%	1.371%	0.011%	1.735%
HI	107	95	12	1,303,767	1,249,139	54,628	0.935%	1.053%	0.000%	0.031%	0.032%	0.000%
IA	967	934	33	2,500,395	1,391,769	1,108,626	1.034%	1.071%	0.000%	1.443%	2.593%	0.000%
ID	896	848	48	1,050,473	806,038	244,435	2.567%	2.594%	2.083%	26.491%	11.449%	76.094%
IL	1,489	1,386	103	9,168,041	2,967,969	6,200,072	1.075%	0.938%	2.913%	4.084%	6.653%	2.854%
IN	1,622	1,573	49	4,980,031	2,619,576	2,360,455	2.528%	1.971%	20.408%	29.845%	4.558%	57.907%
KY	242	93	149	4,602,489	375,460	4,227,029	18.182%	10.753%	22.819%	43.234%	7.753%	46.386%
MA	676	558	118	8,525,575	1,718,151	6,807,424	5.030%	5.197%	4.237%	43.332%	3.528%	53.379%
MD	1,038	970	68	5,022,488	1,024,381	3,998,107	2.505%	1.649%	14.706%	40.382%	25.692%	44.146%
ME	806	752	54	727,707	292,103	435,604	4.839%	5.053%	1.852%	5.906%	13.898%	0.546%
MI	2,850	2,801	49	6,539,864	1,815,364	4,724,500	8.316%	8.283%	10.204%	59.692%	22.622%	73.936%
MN	1,438	1,411	27	3,894,967	2,661,430	1,233,537	1.878%	1.772%	7.407%	3.698%	4.478%	2.015%
MO	1,421	1,344	77	3,006,743	1,692,282	1,314,461	2.111%	2.083%	2.597%	1.817%	1.400%	2.354%
MT	845	786	59	757,505	365,106	392,399	0.828%	0.763%	1.695%	0.445%	0.900%	0.022%
NC	2,285	2,146	139	6,973,678	1,708,512	5,265,166	4.245%	3.868%	10.072%	13.455%	6.417%	15.739%
ND	217	190	27	563,069	257,844	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	731	720	11	1,449,290	672,810	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,216	1,175	41	942,517	392,718	549,799	0.658%	0.681%	0.000%	2.179%	5.230%	0.000%
NJ	1,372	1,335	37	7,762,526	2,726,580	5,035,946	12.026%	11.685%	24.324%	21.470%	34.076%	14.645%
NM	720	681	39	1,667,049	1,400,501	266,548	5.000%	4.993%	5.128%	8.281%	9.233%	3.282%
NV	324	304	20	970,526	280,727	689,799	7.407%	5.921%	30.000%	46.780%	17.939%	58.517%
NY	1,571	1,332	239	11,195,033	1,218,149	9,976,884	2.101%	1.802%	3.766%	0.855%	0.974%	0.841%
OH	1,915	1,790	125	10,216,143	3,121,206	7,094,937	2.663%	2.682%	2.400%	0.952%	1.473%	0.723%
OK	202	175	27	749,266	276,712	472,554	0.990%	1.143%	0.000%	0.219%	0.594%	0.000%
OR	733	611	122	2,777,164	487,418	2,289,746	0.819%	0.982%	0.000%	0.124%	0.706%	0.000%
RI	143	134	9	913,584	173,606	739,978	1.399%	1.493%	0.000%	3.139%	16.521%	0.000%
SC	822	757	65	3,462,560	804,033	2,658,527	5.231%	3.435%	26.154%	36.478%	3.526%	46.444%
SD	235	224	11	328,972	237,011	91,961	2.128%	1.786%	9.091%	22.993%	4.919%	69.576%
TN	350	161	189	5,683,572	1,460,816	4,222,756	4.286%	1.242%	6.878%	12.423%	0.040%	16.707%
TX	4,888	4,547	341	25,060,220	9,275,719	15,784,501	1.002%	0.968%	1.466%	5.944%	14.742%	0.773%
UT	507	457	50	2,543,652	1,686,017	857,635	18.343%	16.849%	32.000%	59.137%	49.220%	78.633%
VA	1,582	1,414	168	4,803,450	634,384	4,169,066	0.822%	0.778%	1.190%	0.202%	0.889%	0.097%
VT	598	556	42	490,389	226,621	263,768	2.508%	2.518%	2.381%	1.151%	1.210%	1.099%
WI	1,823	1,803	20	4,044,416	2,352,672	1,691,744	13.165%	13.145%	15.000%	16.875%	24.966%	5.623%
WV	450	290	160	1,415,227	234,687	1,180,540	7.778%	7.241%	8.750%	4.848%	4.737%	4.870%
WY	304	255	49	446,184	129,168	317,016	2.961%	3.137%	2.041%	0.858%	1.366%	0.651%
Total	48,859	44,863	3,996	229,853,379	85,514,854	144,338,525	3.964%	3.669%	7.282%	20.052%	17.131%	21.783%

Table A44c. Mercury (Inorganic) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.002 mg/L			Percent of Systems with At Least One Detection > 0.002 mg/L			Population Served by Systems with At Least One Detection > 0.002 mg/L			Percent of Population Served with At Least One Detection > 0.002 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	1	0	0.204%	0.257%	0.000%	200	200	0	0.037%	0.095%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	2	2	0	0.191%	0.200%	0.000%	277	277	0	0.004%	0.010%	0.000%
CA	16	10	6	0.424%	0.308%	1.154%	1,873,292	502,592	1,370,700	5.155%	3.720%	6.004%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	1	1	0	0.356%	0.360%	0.000%	6,150	6,150	0	0.905%	1.544%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.058%	0.000%	0.862%	2,671	0	2,671	0.036%	0.000%	0.045%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	3	3	0	0.335%	0.354%	0.000%	2,163	2,163	0	0.206%	0.268%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	3	2	1	1.240%	2.151%	0.671%	99,748	4,877	94,871	2.167%	1.299%	2.244%
MA	2	2	0	0.296%	0.358%	0.000%	745	745	0	0.009%	0.043%	0.000%
MD	2	1	1	0.193%	0.103%	1.471%	4,058	58	4,000	0.081%	0.006%	0.100%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	2	2	0	0.070%	0.071%	0.000%	109	109	0	0.002%	0.006%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	150	150	0	0.020%	0.041%	0.000%
NC	2	2	0	0.088%	0.093%	0.000%	65	65	0	0.001%	0.004%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	2	2	0	0.164%	0.170%	0.000%	113	113	0	0.012%	0.029%	0.000%
NJ	16	16	0	1.166%	1.199%	0.000%	27,879	27,879	0	0.359%	1.022%	0.000%
NM	1	1	0	0.139%	0.147%	0.000%	23,540	23,540	0	1.412%	1.681%	0.000%
NV	1	1	0	0.309%	0.329%	0.000%	30	30	0	0.003%	0.011%	0.000%
NY	2	1	1	0.127%	0.075%	0.418%	18,643	3,000	15,643	0.167%	0.246%	0.157%
OH	2	2	0	0.104%	0.112%	0.000%	960	960	0	0.009%	0.031%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	2	2	0	1.399%	1.493%	0.000%	28,681	28,681	0	3.139%	16.521%	0.000%
SC	6	3	3	0.730%	0.396%	4.615%	426,360	1,699	424,661	12.313%	0.211%	15.974%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.063%	0.071%	0.000%	98	98	0	0.002%	0.015%	0.000%
VT	1	1	0	0.167%	0.180%	0.000%	40	40	0	0.008%	0.018%	0.000%
WI	8	7	1	0.439%	0.388%	5.000%	35,580	14,240	21,340	0.880%	0.605%	1.261%
WV	3	0	3	0.667%	0.000%	1.875%	37,703	0	37,703	2.664%	0.000%	3.194%
WY	1	0	1	0.329%	0.000%	2.041%	2,065	0	2,065	0.463%	0.000%	0.651%
Total	82	64	18	0.168%	0.143%	0.450%	2,591,320	617,666	1,973,654	1.127%	0.722%	1.367%

Table A44d. Mercury (Inorganic) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 0.001 mg/L			Percent of Systems with At Least One Detection ≥ 0.001 mg/L			Population Served by Systems with At Least One Detection ≥ 0.001 mg/L			Percent of Population Served with At Least One Detection ≥ 0.001 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	1	0	0.204%	0.257%	0.000%	200	200	0	0.037%	0.095%	0.000%
AL	6	2	4	1.705%	0.717%	5.479%	958,009	3,342	954,667	20.378%	0.228%	29.483%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	13	11	2	1.239%	1.099%	4.167%	715,990	90,765	625,225	11.621%	3.252%	18.549%
CA	55	39	16	1.458%	1.199%	3.077%	7,342,316	1,126,527	6,215,789	20.204%	8.338%	27.227%
CO	4	2	2	0.477%	0.324%	0.905%	147,212	445	146,767	2.945%	0.083%	3.287%
CT	7	6	1	0.598%	0.531%	2.564%	37,823	1,756	36,067	1.393%	0.459%	1.545%
DE	1	1	0	0.356%	0.360%	0.000%	6,150	6,150	0	0.905%	1.544%	0.000%
FL	8	8	0	0.599%	0.611%	0.000%	515,436	515,436	0	2.988%	3.435%	0.000%
GA	2	1	1	0.115%	0.062%	0.862%	2,846	175	2,671	0.038%	0.011%	0.045%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	1	1	0	0.103%	0.107%	0.000%	510	510	0	0.020%	0.037%	0.000%
ID	3	3	0	0.335%	0.354%	0.000%	2,163	2,163	0	0.206%	0.268%	0.000%
IL	1	1	0	0.067%	0.072%	0.000%	684	684	0	0.007%	0.023%	0.000%
IN	8	7	1	0.493%	0.445%	2.041%	49,172	43,184	5,988	0.987%	1.649%	0.254%
KY	3	2	1	1.240%	2.151%	0.671%	99,748	4,877	94,871	2.167%	1.299%	2.244%
MA	6	5	1	0.888%	0.896%	0.847%	11,042	8,156	2,886	0.130%	0.475%	0.042%
MD	5	2	3	0.482%	0.206%	4.412%	1,725,538	238	1,725,300	34.356%	0.023%	43.153%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	2	2	0	0.070%	0.071%	0.000%	109	109	0	0.002%	0.006%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	1	1	0	0.070%	0.074%	0.000%	235	235	0	0.008%	0.014%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	150	150	0	0.020%	0.041%	0.000%
NC	5	5	0	0.219%	0.233%	0.000%	2,206	2,206	0	0.032%	0.129%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	4	4	0	0.329%	0.340%	0.000%	19,166	19,166	0	2.033%	4.880%	0.000%
NJ	41	40	1	2.988%	2.996%	2.703%	274,161	124,161	150,000	3.532%	4.554%	2.979%
NM	7	6	1	0.972%	0.881%	2.564%	36,726	28,102	8,624	2.203%	2.007%	3.235%
NV	3	3	0	0.926%	0.987%	0.000%	3,163	3,163	0	0.326%	1.127%	0.000%
NY	5	4	1	0.318%	0.300%	0.418%	19,087	3,444	15,643	0.170%	0.283%	0.157%
OH	6	6	0	0.313%	0.335%	0.000%	7,974	7,974	0	0.078%	0.255%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	3	3	0	0.409%	0.491%	0.000%	3,306	3,306	0	0.119%	0.678%	0.000%
RI	2	2	0	1.399%	1.493%	0.000%	28,681	28,681	0	3.139%	16.521%	0.000%
SC	10	5	5	1.217%	0.661%	7.692%	428,676	2,025	426,651	12.380%	0.252%	16.048%
SD	2	1	1	0.851%	0.446%	9.091%	64,027	44	63,983	19.463%	0.019%	69.576%
TN	3	1	2	0.857%	0.621%	1.058%	9,677	33	9,644	0.170%	0.002%	0.228%
TX	10	10	0	0.205%	0.220%	0.000%	13,335	13,335	0	0.053%	0.144%	0.000%
UT	1	1	0	0.197%	0.219%	0.000%	15,800	15,800	0	0.621%	0.937%	0.000%
VA	2	2	0	0.126%	0.141%	0.000%	423	423	0	0.009%	0.067%	0.000%
VT	2	2	0	0.334%	0.360%	0.000%	190	190	0	0.039%	0.084%	0.000%
WI	14	13	1	0.768%	0.721%	5.000%	242,886	221,546	21,340	6.005%	9.417%	1.261%
WV	23	17	6	5.111%	5.862%	3.750%	47,732	3,043	44,689	3.373%	1.297%	3.785%
WY	3	2	1	0.987%	0.784%	2.041%	2,576	511	2,065	0.577%	0.396%	0.651%
Total	274	223	51	0.561%	0.497%	1.276%	12,835,125	2,282,255	10,552,870	5.584%	2.669%	7.311%

Table A45. Methoxychlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 40 µg/L	30,291	0	0.000%	68,501,754	0	0.000%
	≥ 20 µg/L	30,291	0	0.000%	68,501,754	0	0.000%
Surface Water	> 40 µg/L	3,130	0	0.000%	119,134,365	0	0.000%
	≥ 20 µg/L	3,130	0	0.000%	119,134,365	0	0.000%
Combined Ground & Surface Water	> 40 µg/L	33,421	0	0.000%	187,636,119	0	0.000%
	≥ 20 µg/L	33,421	0	0.000%	187,636,119	0	0.000%



Table A45a. Methoxychlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	104	53	51	0.000%	0.000%	0.000%												
AL	519	387	132	0.193%	0.000%	0.758%	0.1		0.1	0.1		0.1	0.1		0.1	0.1		0.1
AR	1,664	1,423	241	0.240%	0.281%	0.000%	0.07	0.07		0.12	0.12		0.17	0.17		0.17	0.17	
AZ	6,919	5,460	1,459	0.000%	0.000%	0.000%												
CA	14,512	8,466	6,046	0.007%	0.012%	0.000%	0.06	0.06		0.06	0.06		0.06	0.06		0.06	0.06	
CO	3,382	2,401	981	0.000%	0.000%	0.000%												
CT	1,601	1,015	586	0.437%	0.000%	1.195%	0.1		0.1	0.22		0.22	0.22		0.22	0.22		0.22
DE	758	729	29	0.000%	0.000%	0.000%												
FL	2,396	2,329	67	0.459%	0.472%	0.000%	0.009	0.009		0.02	0.02		0.02	0.02		0.02	0.02	
GA	1,481	1,402	79	0.000%	0.000%	0.000%												
HI	2,101	2,004	97	0.000%	0.000%	0.000%												
IA	146	127	19	1.370%	0.000%	10.526%	0.2		0.2	0.2		0.2	0.2		0.2	0.2		0.2
ID	1,978	1,710	268	0.000%	0.000%	0.000%												
IL	4,682	3,947	735	0.000%	0.000%	0.000%												
IN	2,251	2,086	165	0.000%	0.000%	0.000%												
KY	1,758	443	1,315	0.398%	0.000%	0.532%	0.0073		0.0073	0.31		0.31	0.5		0.5	0.5		0.5
MA	3,023	2,236	787	0.165%	0.089%	0.381%	0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.3	0.1	0.3	0.3	0.1
MD	2,744	1,726	1,018	0.474%	0.232%	0.884%	0.16	0.6	0.16	0.6	0.8	0.48	0.8	0.8	1.1	1.1	0.8	1.1
ME	456	391	65	0.000%	0.000%	0.000%												
MI	6,875	6,423	452	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	5,560	4,692	868	0.018%	0.021%	0.000%	0.12	0.12		0.12	0.12		0.12	0.12		0.12	0.12	
MT	3,005	2,697	308	0.000%	0.000%	0.000%												
NC	13,610	12,474	1,136	0.007%	0.008%	0.000%	0.32	0.32		0.32	0.32		0.32	0.32		0.32	0.32	
ND	403	338	65	0.000%	0.000%	0.000%												
NE	4,480	4,131	349	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	39	33	6	0.000%	0.000%	0.000%												
NM	4,354	4,104	250	0.000%	0.000%	0.000%												
NV	1,639	1,199	440	0.000%	0.000%	0.000%												
NY	2,945	2,204	741	0.000%	0.000%	0.000%												
OH	674	437	237	0.000%	0.000%	0.000%												
OK																		
OR	2,056	1,572	484	0.000%	0.000%	0.000%												
RI	922	630	292	0.108%	0.000%	0.342%	0.14		0.14	0.14		0.14	0.14		0.14	0.14		0.14
SC	2,966	2,572	394	0.000%	0.000%	0.000%												
SD	954	845	109	0.000%	0.000%	0.000%												
TN	65	12	53	0.000%	0.000%	0.000%												
TX	11,038	5,279	5,759	0.009%	0.000%	0.017%	0.28		0.28	0.28		0.28	0.28		0.28	0.28		0.28
UT	7,113	5,925	1,188	0.000%	0.000%	0.000%												
VA	504	178	326	0.000%	0.000%	0.000%												
VT	1,315	1,112	203	0.076%	0.090%	0.000%	0.05	0.05		0.05	0.05		0.05	0.05		0.05	0.05	
WI	3,185	3,092	93	0.000%	0.000%	0.000%												
WV	646	336	310	2.167%	2.381%	1.935%	0.03	0.03	0.03	0.04	0.035	0.1	0.5	0.07	0.5	0.5	0.07	0.5
WY	1,291	964	327	0.077%	0.104%	0.000%	0.62	0.62		0.62	0.62		0.62	0.62		0.62	0.62	
Total	137,068	108,078	28,990	0.052%	0.031%	0.128%	0.0073	0.009	0.0073	0.1	0.04	0.2	0.6	0.62	0.6	1.1	0.8	1.1

Table A45b. Methoxychlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	16	10	6	246,416	14,306	232,110	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	175	130	45	2,737,924	625,336	2,112,588	0.571%	0.000%	2.222%	0.813%	0.000%	1.053%
AR	450	379	71	2,447,627	905,863	1,541,764	0.667%	0.792%	0.000%	0.157%	0.424%	0.000%
AZ	949	901	48	6,081,248	2,710,657	3,370,591	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CA	1,688	1,393	295	33,918,407	12,195,317	21,723,090	0.059%	0.072%	0.000%	0.147%	0.410%	0.000%
CO	810	591	219	4,991,644	524,735	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	657	619	38	2,595,377	261,490	2,333,887	0.609%	0.000%	10.526%	17.133%	0.000%	19.052%
DE	201	198	3	628,982	347,582	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,315	1,294	21	16,791,489	14,552,313	2,239,176	0.380%	0.386%	0.000%	15.509%	17.895%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	112	100	12	1,305,882	1,251,254	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	98	94	4	305,037	99,579	205,458	2.041%	0.000%	50.000%	21.661%	0.000%	32.159%
ID	784	733	51	1,036,541	793,942	242,599	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,371	1,267	104	9,186,700	2,986,303	6,200,397	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,402	1,358	44	4,866,349	2,546,613	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	2.058%	0.000%	3.333%	7.147%	0.000%	7.781%
MA	645	528	117	8,485,498	1,683,116	6,802,382	0.620%	0.379%	1.709%	0.916%	1.076%	0.876%
MD	862	794	68	4,906,096	907,989	3,998,107	1.160%	0.504%	8.824%	37.858%	0.031%	46.449%
ME	269	241	28	510,420	134,500	375,920	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,935	2,874	61	7,227,231	2,047,375	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,471	1,395	76	2,644,644	1,700,183	944,461	0.068%	0.072%	0.000%	0.039%	0.060%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.042%	0.045%	0.000%	0.003%	0.012%	0.000%
ND	207	180	27	559,051	253,826	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	35	30	5	1,380,103	143,223	1,236,880	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	695	659	36	1,662,962	1,400,064	262,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	291	270	21	960,972	271,081	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,348	1,117	231	4,924,821	981,544	3,943,277	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	285	205	80	6,558,119	518,824	6,039,295	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,085	935	150	2,937,414	572,664	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	105	97	8	902,560	163,122	739,438	0.952%	0.000%	12.500%	7.563%	0.000%	9.232%
SC	773	714	59	3,427,802	801,019	2,626,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	12	6	6	655,614	145,112	510,502	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	0.050%	0.000%	0.297%	0.036%	0.000%	0.049%
UT	427	390	37	2,500,736	1,667,550	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	182	71	111	2,391,215	30,317	2,360,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	442	409	33	432,910	181,746	251,164	0.226%	0.244%	0.000%	0.071%	0.169%	0.000%
WI	1,410	1,390	20	3,883,918	2,192,174	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	343	196	147	1,368,815	204,156	1,164,659	3.499%	4.082%	2.721%	0.946%	0.812%	0.970%
WY	304	256	48	446,177	129,229	316,948	0.329%	0.391%	0.000%	0.101%	0.348%	0.000%
Total	33,421	30,291	3,130	187,636,119	68,501,754	119,134,365	0.159%	0.089%	0.831%	2.956%	3.912%	2.406%

Table A45c. Methoxychlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 40 µg/L			Percent of Systems with At Least One Detection > 40 µg/L			Population Served by Systems with At Least One Detection > 40 µg/L			Percent of Population Served with At Least One Detection > 40 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A45d. Methoxychlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 20 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 20 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 20 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 20 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A46. Monochlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 100 µg/L	46,069	0	0.000%	85,149,817	0	0.000%
	≥ 50 µg/L	46,069	0	0.000%	85,149,817	0	0.000%
Surface Water	> 100 µg/L	4,242	0	0.000%	140,477,965	0	0.000%
	≥ 50 µg/L	4,242	0	0.000%	140,477,965	0	0.000%
Combined Ground & Surface Water	> 100 µg/L	50,311	0	0.000%	225,627,782	0	0.000%
	≥ 50 µg/L	50,311	0	0.000%	225,627,782	0	0.000%

Table A46a. Monochlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,184	2,046	1,138	0.031%	0.049%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
AL	820	596	224	0.122%	0.168%	0.000%	1.6	1.6		1.6	1.6		1.6	1.6		1.6	1.6	
AR	2,394	1,926	468	0.376%	0.467%	0.000%	0.07	0.07		0.12	0.12		0.3	0.3		0.3	0.3	
AZ	11,717	9,527	2,190	0.026%	0.000%	0.137%	0.5		0.5	0.5		0.5		0.5	0.5		0.5	0.5
CA	85,614	45,340	40,274	0.152%	0.282%	0.005%	0.5	0.5	0.52	0.8	0.8	0.59	2	2	0.66	13	13	0.66
CO	2,863	2,124	739	0.175%	0.141%	0.271%	0.05	0.06	0.05	0.06	0.06	0.055	0.08	0.08	0.06	0.08	0.08	0.06
CT	6,654	5,765	889	0.060%	0.069%	0.000%	0.5	0.5		0.6	0.6		2.5	2.5		2.5	2.5	
DE	1,048	1,018	30	0.000%	0.000%	0.000%												
FL	4,155	4,087	68	0.963%	0.979%	0.000%	0.08	0.08		0.78	0.78		1.745	1.745		3.7	3.7	
GA	7,175	6,348	827	0.000%	0.000%	0.000%												
HI																		
IA	1,757	1,632	125	0.000%	0.000%	0.000%												
ID	3,750	3,289	461	0.000%	0.000%	0.000%												
IL	6,995	6,428	567	0.014%	0.016%	0.000%	1.2	1.2		1.2	1.2		1.2	1.2		1.2	1.2	
IN	4,621	4,311	310	0.022%	0.000%	0.323%	9.7		9.7	9.7		9.7	9.7		9.7	9.7		9.7
KY	3,310	1,126	2,184	0.332%	0.000%	0.504%	0.003		0.003	0.5		0.5	1.2		1.2	1.2		1.2
MA	16,249	12,259	3,990	0.055%	0.057%	0.050%	0.66	0.66	0.8	15	17	0.9	42	42	1	42	42	1
MD	6,768	5,508	1,260	0.044%	0.054%	0.000%	0.5	0.5		2.6	2.6		5.7	5.7		5.7	5.7	
ME	3,698	3,383	315	0.027%	0.030%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
MI	10,754	9,744	1,010	0.009%	0.000%	0.099%	16		16	16		16	16		16	16		16
MN	8,581	7,332	1,249	0.047%	0.055%	0.000%	0.9	0.9		1.3	1.3		1.7	1.7		1.7	1.7	
MO	7,543	6,694	849	0.013%	0.015%	0.000%	4.4	4.4		4.4	4.4		4.4	4.4		4.4	4.4	
MT	4,490	3,952	538	0.022%	0.025%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
NC	19,064	17,485	1,579	0.142%	0.132%	0.253%	0.5	0.5	0.7	0.8	0.7	1.775	2	1.6	19.7	19.7	2	19.7
ND	552	417	135	0.000%	0.000%	0.000%												
NE	6,840	6,264	576	0.058%	0.048%	0.174%	0.21	0.21	0.95	0.595	0.24	0.95	2.73	2.73	0.95	2.73	2.73	0.95
NH	9,585	9,107	478	0.083%	0.088%	0.000%	0.5	0.5		0.515	0.515		0.65	0.65		0.65	0.65	
NJ	20,354	18,568	1,786	0.275%	0.178%	1.288%	0.05	0.05	0.1	0.8	0.56	1	1.6	1.05	1.7	4.14	4.14	2
NM	6,575	6,099	476	0.015%	0.016%	0.000%	0.2	0.2		0.2	0.2		0.2	0.2		0.2	0.2	
NV	3,202	2,574	628	0.250%	0.311%	0.000%	0.5	0.5		0.935	0.935		1.69	1.69		1.69	1.69	
NY	7,076	5,420	1,656	0.099%	0.092%	0.121%	0.5	0.5	0.5	0.5	0.5	0.5	8.8	8.8	0.5	8.8	8.8	0.5
OH	8,852	7,690	1,162	0.023%	0.013%	0.086%	0.5	1.06	0.5	0.78	1.06	0.5	1.06	1.06	0.5	1.06	1.06	0.5
OK	5,355	3,958	1,397	0.037%	0.051%	0.000%	0.4	0.4		0.45	0.45		0.5	0.5		0.5	0.5	
OR	2,324	1,682	642	0.000%	0.000%	0.000%												
RI	1,959	1,591	368	0.000%	0.000%	0.000%												
SC	4,342	3,805	537	0.000%	0.000%	0.000%												
SD	889	855	34	0.000%	0.000%	0.000%												
TN	2,935	1,166	1,769	0.000%	0.000%	0.000%												
TX	34,144	27,040	7,104	0.009%	0.011%	0.000%	0.7	0.7		0.91	0.91		35	35		35	35	
UT	8,986	7,560	1,426	0.022%	0.026%	0.000%	19	19		19	19		19	19		19	19	
VA	4,909	4,038	871	0.081%	0.099%	0.000%	0.5	0.5		0.6	0.6		1.5	1.5		1.5	1.5	
VT	4,342	3,951	391	0.023%	0.025%	0.000%	0.99	0.99		0.99	0.99		0.99	0.99		0.99	0.99	
WI	11,296	11,172	124	0.089%	0.090%	0.000%	0.02	0.02		0.255	0.255		0.58	0.58		0.61	0.61	
WV	1,139	444	695	1.229%	2.477%	0.432%	0.07	0.07	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0.5	1
WY	1,659	1,156	503	0.000%	0.000%	0.000%												
Total	370,519	286,477	84,042	0.101%	0.111%	0.067%	0.003	0.02	0.003	0.7	0.7	0.8	1.94	2	1.9	42	42	19.7

Table A46b. Monochlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.161%	0.211%	0.000%	0.825%	2.150%	0.000%
AL	263	202	61	4,218,278	1,123,190	3,095,088	0.380%	0.495%	0.000%	0.149%	0.559%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	1.762%	2.094%	0.000%	0.598%	1.612%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.094%	0.000%	2.083%	4.865%	0.000%	8.901%
CA	3,657	3,141	516	35,829,496	13,517,105	22,312,391	0.219%	0.191%	0.388%	1.538%	0.639%	2.082%
CO	826	605	221	4,997,841	530,207	4,467,634	0.605%	0.496%	0.905%	0.413%	0.179%	0.441%
CT	1,200	1,161	39	2,722,518	388,596	2,333,922	0.167%	0.172%	0.000%	0.029%	0.200%	0.000%
DE	318	315	3	698,987	417,587	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,510	1,484	26	17,495,564	15,249,522	2,246,042	0.861%	0.876%	0.000%	3.641%	4.177%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.070%	0.075%	0.000%	0.017%	0.053%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.068%	0.000%	2.273%	5.388%	0.000%	11.360%
KY	241	92	149	4,602,392	375,363	4,227,029	2.905%	0.000%	4.698%	9.116%	0.000%	9.925%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.696%	0.500%	1.695%	1.522%	0.421%	1.805%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.285%	0.304%	0.000%	0.589%	2.884%	0.000%
ME	810	757	53	728,347	292,773	435,574	0.123%	0.132%	0.000%	0.030%	0.073%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.034%	0.000%	1.639%	0.135%	0.000%	0.187%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.190%	0.193%	0.000%	0.080%	0.113%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.071%	0.075%	0.000%	0.017%	0.030%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.118%	0.127%	0.000%	0.013%	0.026%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.465%	0.314%	2.878%	0.562%	0.048%	0.731%
ND	210	183	27	562,397	257,172	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.519%	0.395%	9.091%	35.170%	0.304%	65.960%
NH	1,258	1,217	41	948,788	398,989	549,799	0.159%	0.164%	0.000%	0.030%	0.071%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	1.144%	0.955%	8.108%	6.206%	7.449%	5.537%
NM	726	687	39	1,698,755	1,432,207	266,548	0.138%	0.146%	0.000%	0.007%	0.008%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.592%	0.631%	0.000%	0.037%	0.127%	0.000%
NY	1,517	1,283	234	4,884,210	1,042,143	3,842,067	0.461%	0.390%	0.855%	0.091%	0.395%	0.008%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.103%	0.055%	0.800%	0.443%	0.004%	0.637%
OK	718	506	212	3,119,686	660,832	2,458,854	0.139%	0.198%	0.000%	0.008%	0.038%	0.000%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	245	233	12	266,416	194,218	72,198	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.061%	0.065%	0.000%	0.042%	0.113%	0.000%
UT	500	454	46	2,553,197	1,698,877	854,320	0.200%	0.220%	0.000%	0.001%	0.002%	0.000%
VA	1,597	1,426	171	5,271,968	629,385	4,642,583	0.188%	0.210%	0.000%	0.053%	0.445%	0.000%
VT	603	560	43	491,035	227,067	263,968	0.166%	0.179%	0.000%	0.018%	0.040%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	0.224%	0.227%	0.000%	0.156%	0.268%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.474%	4.527%	1.875%	2.193%	1.018%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,311	46,069	4,242	225,627,782	85,149,817	140,477,965	0.268%	0.228%	0.707%	1.564%	1.205%	1.782%

Table A46c. Monochlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 100 µg/L			Percent of Systems with At Least One Detection > 100 µg/L			Population Served by Systems with At Least One Detection > 100 µg/L			Percent of Population Served with At Least One Detection > 100 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%



Table A46d. Monochlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 50 µg/L			Percent of Systems with At Least One Detection ≥ 50 µg/L			Population Served by Systems with At Least One Detection ≥ 50 µg/L			Percent of Population Served with At Least One Detection ≥ 50 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A47. Nitrate (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 10 mg/L	114,764	2,855	2.488%	92,900,757	5,278,260	5.682%
	≥ 5 mg/L	114,764	10,742	9.360%	92,900,757	19,289,360	20.763%
Surface Water	> 10 mg/L	4,773	118	2.472%	136,607,279	11,498,833	8.417%
	≥ 5 mg/L	4,773	368	7.710%	136,607,279	24,830,964	18.177%
Combined Ground & Surface Water	> 10 mg/L	119,537	2,973	2.487%	229,508,036	16,777,093	7.310%
	≥ 5 mg/L	119,537	11,110	9.294%	229,508,036	44,120,324	19.224%

Table A47a. Nitrate (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	10,435	8,920	1,515	46.909%	46.693%	48.185%	1E-06	1E-06	7.3E-05	0.57	0.62	0.32	3.37	3.8	1.39	15.7	15.7	14.7
AL	6,717	5,735	982	51.764%	46.748%	81.059%	0.00016	0.00016	0.0008	0.53	0.51	0.58	2.4	2.44	2.34	55	55	7.79
AR																		
AZ	23,327	20,063	3,264	87.435%	87.769%	85.386%	0.0026	0.0026	0.0034	1.85	1.8	2.1	6.9	7.1	6.19	76	76	17
CA	229,724	137,054	92,670	85.504%	84.806%	86.537%	0.0018	0.00226	0.0018	4.52	4.294	4.52	10.396	10.17	10.7576	94.92	94.92	39.776
CO	11,861	9,486	2,375	71.604%	73.023%	65.937%	0.00121	0.00121	0.01	0.7	0.92	0.26	6.8	7.5	1.8	51	51	12.2
CT	15,989	15,201	788	71.649%	71.252%	79.315%	9.3E-06	9.3E-06	0.003	1.62	1.7	0.85	5.4	5.5	3.5	26	26	8.76
DE	5,415	5,337	78	66.242%	65.767%	98.718%	0.0022	0.0022	0.8	5.1	5.2	3.1	9.8	9.9	5.8	66.8	66.8	8.5
FL	15,514	15,275	239	55.969%	55.417%	91.213%	0.001	0.001	0.002	0.5	0.52	0.31	4.6	4.66	0.9	40	40	1.7
GA	313	310	3	49.840%	49.355%	100.000%	0.01	0.01	0.14	0.23	0.23	0.28	1.41	1.41	0.39	11	11	0.39
HI	3,191	3,100	91	80.100%	81.871%	19.780%	0.3	0.3	0.33	1	1	0.79	4.7	4.7	1.9	6.8	6.8	2
IA	27,727	26,586	1,141	66.094%	65.053%	90.359%	0.01	0.01	0.07	3.67	3.7	3.4	8.8	8.8	8.6	99	99	15
ID	21,327	19,652	1,675	74.844%	76.435%	56.179%	0.0013	0.0013	0.00652	1.46	1.46	1.54	5.97	5.7	7.24	33.5	33.5	10.3
IL	14,109	13,061	1,048	39.450%	35.319%	90.935%	0.0006	0.00082	0.0006	1.6	1.6	1.75	7.2	7.47	5.75	26.8	26.8	9.54
IN	38,430	37,583	847	59.649%	58.997%	88.548%	0.0005	0.0005	0.005	0.5	0.5	1.15	4.8	4.85	4.145	83	83	9.2
KY	3,852	1,361	2,491	79.958%	75.018%	82.658%	0.0007	0.001	0.0007	0.675	1.11	0.59	3.1	5.3	1.8	29	29	10
MA	23,712	19,109	4,603	83.713%	81.558%	92.657%	0.005	0.008	0.005	0.84	0.97	0.67	4.4	4.9	1.5	33.25	33.25	9.32
MD	36,120	33,598	2,522	56.166%	53.325%	94.013%	0.001	0.001	0.002	3.9	4.1	2.7	8.9	9	8.36	56.6	56.6	36.05
ME	20,466	19,721	745	44.684%	45.485%	23.490%	0.00274	0.00274	0.01	1.04	1.06	0.5	4.21	4.26	1.38	23	23	5.52
MI	97,673	96,866	807	40.045%	39.652%	87.237%	0.0062	0.0062	0.1	0.5	0.5	0.4	4.75	4.8	1.4	41.5	41.5	6.7
MN	81,637	80,734	903	31.752%	31.554%	49.391%	0.01	0.01	0.05	0.96	0.98	0.35	6.7	6.7	3.3	45	45	17
MO	24,401	23,508	893	0.086%	0.089%	0.000%	0.01	0.01		0.01	0.01		10.8	10.8		12.5	12.5	
MT	1,210	1,131	79	86.612%	86.561%	87.342%	0.01	0.01	0.01	0.47	0.5	0.12	1.94	2.02	0.94	81	81	1.79
NC	55,468	53,861	1,607	47.766%	47.960%	41.257%	0.001	0.001	0.01	1.3	1.36	0.29	5.1	5.17	1	55.2	55.2	5.9
ND	24	11	13	70.833%	36.364%	100.000%	0.03	0.04	0.03	0.09	0.805	0.07	1.51	1.79	0.23	1.79	1.79	1.02
NE	31	31	0	74.194%	74.194%	0.000%	0.15	0.15		2.7	2.7		9.8	9.8		13.5	13.5	
NH	14,766	14,629	137	30.218%	30.234%	28.467%	0.01	0.01	0.12	0.69	0.7	0.5	5.15	5.16	1.96	21	21	2.81
NJ	42,954	41,610	1,344	66.869%	66.486%	78.720%	0.001	0.001	0.009	2.1	2.19	1.2	6.5	6.6	3.85	39.6	39.6	8.83
NM	375	359	16	52.800%	52.368%	62.500%	0.01	0.01	0.03	0.455	0.455	0.495	3.1	3.01	4.65	9.27	9.27	5.68
NV	7,723	6,603	1,120	80.008%	80.433%	77.500%	0.0007	0.0007	0.05	1.01	1	1.02	4.1	4.4	2.83	31.1	31.1	8.05
NY	32,231	29,172	3,059	61.444%	59.807%	77.051%	0.00018	0.00018	0.00067	0.97	1	0.6	5.29	5.4	4.27	52	52	48.5
OH	43,957	32,489	11,468	49.091%	36.215%	85.569%	0.00005	0.00005	0.00149	0.86	0.83	0.88	5.44	5.46	5.4	50.4	50.4	21.7
OK	2,270	2,047	223	84.009%	83.732%	86.547%	0.02	0.02	0.05	1.48	1.71	0.65	6.96	7.41	1.87	25.99	25.99	5.48
OR	11,977	10,686	1,291	45.671%	46.472%	39.040%	0.00819	0.00819	0.01	1.3	1.42	0.6	5.5	5.7	2	28.5	28.5	6.57
RI	6,011	5,653	358	82.948%	82.947%	82.961%	0.0015	0.0015	0.01	1.115	1.2	0.6	5	5.1	2.5	18.2	18.2	5.55
SC	12,298	11,682	616	59.416%	58.594%	75.000%	0.003	0.003	0.02	0.52	0.56	0.32	3	3	1.1	61	61	6
SD	342	317	25	83.333%	86.120%	48.000%	0.08	0.08	0.1	1.09	1.11	0.15	1.96	1.96	0.28	3.69	3.69	0.31
TN	4,234	2,159	2,075	69.509%	50.672%	89.108%	0.01	0.01	0.05	0.66	0.74	0.63	2	2.4	1.8	8.7	7.7	8.7
TX	32,726	28,612	4,114	79.301%	77.502%	91.808%	0.01	0.01	0.01	0.19	0.19	0.21	6.12	6.82	1.44	88	88	20.2
UT	22,429	19,124	3,305	91.547%	90.959%	94.947%	0.01	0.01	0.02	0.6	0.6	0.5	2.6	2.6	2.3	15.2	15.2	5.85
VA	362	314	48	69.890%	67.516%	85.417%	0.02	0.02	0.09	1.1	1.17	0.62	4.84	5.06	1.38	15	15	2.51
VT	10,203	9,649	554	42.282%	42.284%	42.238%	0.00013	0.00013	0.004	0.7	0.7	0.3	2.6	2.7	1.1	20.6	20.6	4.6
WI	32,001	31,850	151	59.189%	59.250%	46.358%	0.002	0.002	0.06	2.51	2.55	0.5	8.6	8.6	0.88	44	44	1.2
WV	4,241	3,387	854	56.921%	51.225%	79.508%	0.00014	0.00275	0.00014	0.44	0.39	0.48	3.28	3.69	1.7	27.6	27.6	8.31
WY	2,714	2,309	405	70.818%	73.798%	53.827%	0.01	0.01	0.01	0.7	0.8	0.315	6.3	6.87	3.2	32.1	32.1	9.7
Total	1,052,487	899,945	152,542	61.385%	57.670%	83.304%	1E-06	1E-06	7.3E-05	1.8	1.6	2.712	7.91	7.5258	9.04	99	99	48.5

Table A47b. Nitrate (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1,475	1,267	208	711,941	323,895	388,046	73.424%	73.402%	73.558%	80.836%	63.191%	95.565%
AL	425	352	73	4,741,994	1,503,960	3,238,034	92.000%	90.625%	98.630%	98.101%	94.913%	99.582%
AR												
AZ	1,656	1,596	60	6,292,367	2,918,171	3,374,196	95.350%	95.426%	93.333%	98.848%	97.549%	99.971%
CA	7,384	6,628	756	38,517,529	15,274,342	23,243,187	73.267%	75.211%	56.217%	90.813%	92.446%	89.741%
CO	1,744	1,432	312	5,256,456	715,725	4,540,731	82.626%	82.612%	82.692%	89.674%	90.041%	89.616%
CT	2,914	2,872	42	2,786,657	452,660	2,333,997	82.739%	82.591%	92.857%	96.885%	90.857%	98.054%
DE	580	577	3	778,333	496,933	281,400	56.724%	56.499%	100.000%	87.817%	80.918%	100.000%
FL	6,256	6,230	26	18,864,052	16,618,010	2,246,042	65.074%	64.928%	100.000%	84.238%	82.108%	100.000%
GA	153	151	2	55,522	52,826	2,696	45.098%	44.371%	100.000%	26.991%	23.265%	100.000%
HI	115	103	12	1,309,687	1,255,059	54,628	79.130%	85.437%	25.000%	98.796%	99.587%	80.611%
IA	1,896	1,856	40	2,653,095	1,537,413	1,115,682	69.937%	69.450%	92.500%	87.709%	79.196%	99.438%
ID	1,954	1,885	69	1,206,328	949,165	257,163	89.304%	90.133%	66.667%	93.978%	94.163%	93.296%
IL	3,800	3,682	118	9,589,450	3,386,733	6,202,717	35.474%	33.650%	92.373%	87.480%	67.663%	98.300%
IN	5,330	5,272	58	5,489,766	3,128,079	2,361,687	89.024%	88.904%	100.000%	98.719%	97.753%	100.000%
KY	297	141	156	4,609,304	380,950	4,228,354	97.306%	94.326%	100.000%	99.765%	97.157%	100.000%
MA	1,693	1,572	121	8,738,206	1,927,163	6,811,043	93.444%	93.066%	98.347%	99.087%	98.863%	99.150%
MD	4,091	4,006	85	5,276,313	1,277,699	3,998,614	63.994%	63.230%	100.000%	96.482%	85.472%	100.000%
ME	2,255	2,181	74	950,021	509,330	440,691	61.552%	61.669%	58.108%	71.394%	73.407%	69.067%
MI	14,441	14,371	70	8,678,174	3,493,788	5,184,386	70.134%	69.988%	100.000%	93.727%	84.420%	100.000%
MN	9,399	9,293	106	4,892,585	3,640,124	1,252,461	48.665%	48.499%	63.208%	76.682%	68.718%	99.829%
MO	2,681	2,595	86	4,337,423	1,857,310	2,480,113	0.634%	0.655%	0.000%	0.053%	0.123%	0.000%
MT	484	463	21	365,667	217,895	147,772	89.050%	88.985%	90.476%	96.609%	95.524%	98.209%
NC	6,550	6,411	139	7,350,067	2,084,901	5,265,166	80.534%	80.206%	95.683%	94.642%	91.410%	95.921%
ND	12	6	6	25,377	18,348	7,029	75.000%	50.000%	100.000%	84.821%	79.006%	100.000%
NE	16	16	0	16,071	16,071	0	87.500%	87.500%	0.000%	99.403%	99.403%	0.000%
NH	2,159	2,139	20	746,993	520,719	226,274	50.533%	50.631%	40.000%	61.227%	62.338%	58.668%
NJ	4,218	4,181	37	8,258,138	3,222,192	5,035,946	87.767%	87.682%	97.297%	96.841%	92.013%	99.930%
NM	102	96	6	705,705	589,326	116,379	71.569%	69.792%	100.000%	98.468%	98.165%	100.000%
NV	576	554	22	997,901	307,984	689,917	94.792%	95.487%	77.273%	97.033%	97.440%	96.852%
NY	6,491	5,981	510	12,319,219	1,622,163	10,697,056	77.538%	76.710%	87.255%	93.531%	89.341%	94.167%
OH	5,072	4,924	148	10,675,300	3,569,388	7,105,912	59.286%	58.123%	97.973%	93.794%	81.470%	99.985%
OK	808	703	105	2,010,183	634,125	1,376,058	89.356%	89.900%	85.714%	91.060%	91.687%	90.772%
OR	2,671	2,446	225	3,182,057	796,755	2,385,302	60.651%	60.180%	65.778%	85.106%	74.157%	88.763%
RI	469	459	10	968,534	227,231	741,303	91.898%	91.721%	100.000%	99.407%	97.472%	100.000%
SC	1,632	1,565	67	3,575,289	915,912	2,659,377	78.125%	77.188%	100.000%	96.973%	88.182%	100.000%
SD	72	68	4	139,171	69,546	69,625	73.611%	72.059%	100.000%	94.694%	89.383%	100.000%
TN	369	176	193	5,686,766	1,463,885	4,222,881	90.244%	81.250%	98.446%	96.775%	90.016%	99.119%
TX	6,198	5,817	381	25,381,472	9,552,528	15,828,944	86.947%	86.230%	97.900%	97.280%	92.932%	99.904%
UT	996	932	64	2,638,256	1,777,397	860,859	95.382%	95.386%	95.313%	99.627%	99.484%	99.924%
VA	225	209	16	1,742,737	61,188	1,681,549	72.889%	70.813%	100.000%	99.205%	77.366%	100.000%
VT	1,314	1,255	59	596,093	326,550	269,543	73.744%	73.466%	79.661%	71.139%	80.114%	60.266%
WI	6,853	6,835	18	4,378,408	2,709,133	1,669,275	66.423%	66.379%	83.333%	87.687%	85.234%	91.668%
WV	1,089	915	174	1,493,668	313,806	1,179,862	76.584%	72.568%	97.701%	96.637%	84.803%	99.785%
WY	622	551	71	519,761	184,379	335,382	80.064%	81.125%	71.831%	91.736%	90.824%	92.238%
Total	119,537	114,764	4,773	229,508,036	92,900,757	136,607,279	69.942%	69.466%	81.374%	90.952%	85.648%	94.559%

Table A47c. Nitrate (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 10 mg/L			Percent of Systems with At Least One Detection > 10 mg/L			Population Served by Systems with At Least One Detection > 10 mg/L			Percent of Population Served with At Least One Detection > 10 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	7	6	1	0.475%	0.474%	0.481%	1,973	1,789	184	0.277%	0.552%	0.047%
AL	3	3	0	0.706%	0.852%	0.000%	9,709	9,709	0	0.205%	0.646%	0.000%
AR												
AZ	105	102	3	6.341%	6.391%	5.000%	824,186	236,686	587,500	13.098%	8.111%	17.412%
CA	639	574	65	8.654%	8.660%	8.598%	12,672,259	3,671,971	9,000,288	32.900%	24.040%	38.722%
CO	41	39	2	2.351%	2.723%	0.641%	30,389	30,047	342	0.578%	4.198%	0.008%
CT	20	20	0	0.686%	0.696%	0.000%	2,337	2,337	0	0.084%	0.516%	0.000%
DE	51	51	0	8.793%	8.839%	0.000%	33,594	33,594	0	4.316%	6.760%	0.000%
FL	19	19	0	0.304%	0.305%	0.000%	121,275	121,275	0	0.643%	0.730%	0.000%
GA	1	1	0	0.654%	0.662%	0.000%	100	100	0	0.180%	0.189%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	114	109	5	6.013%	5.873%	12.500%	458,504	111,037	347,467	17.282%	7.222%	31.144%
ID	47	46	1	2.405%	2.440%	1.449%	76,149	74,538	1,611	6.312%	7.853%	0.626%
IL	74	74	0	1.947%	2.010%	0.000%	18,196	18,196	0	0.190%	0.537%	0.000%
IN	163	163	0	3.058%	3.092%	0.000%	28,385	28,385	0	0.517%	0.907%	0.000%
KY	3	3	0	1.010%	2.128%	0.000%	1,110	1,110	0	0.024%	0.291%	0.000%
MA	33	33	0	1.949%	2.099%	0.000%	8,597	8,597	0	0.098%	0.446%	0.000%
MD	225	220	5	5.500%	5.492%	5.882%	68,736	33,245	35,491	1.303%	2.602%	0.888%
ME	32	32	0	1.419%	1.467%	0.000%	4,449	4,449	0	0.468%	0.874%	0.000%
MI	203	203	0	1.406%	1.413%	0.000%	103,836	103,836	0	1.197%	2.972%	0.000%
MN	235	234	1	2.500%	2.518%	0.943%	68,623	68,583	40	1.403%	1.884%	0.003%
MO	1	1	0	0.037%	0.039%	0.000%	25	25	0	0.001%	0.001%	0.000%
MT	2	2	0	0.413%	0.432%	0.000%	245	245	0	0.067%	0.112%	0.000%
NC	66	66	0	1.008%	1.029%	0.000%	38,376	38,376	0	0.522%	1.841%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	12.500%	12.500%	0.000%	254	254	0	1.580%	1.580%	0.000%
NH	14	14	0	0.648%	0.655%	0.000%	1,912	1,912	0	0.256%	0.367%	0.000%
NJ	161	161	0	3.817%	3.851%	0.000%	67,792	67,792	0	0.821%	2.104%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	14	14	0	2.431%	2.527%	0.000%	3,979	3,979	0	0.399%	1.292%	0.000%
NY	96	82	14	1.479%	1.371%	2.745%	190,619	22,532	168,087	1.547%	1.389%	1.571%
OH	58	41	17	1.144%	0.833%	11.486%	1,352,964	19,661	1,333,303	12.674%	0.551%	18.763%
OK	42	42	0	5.198%	5.974%	0.000%	30,307	30,307	0	1.508%	4.779%	0.000%
OR	25	25	0	0.936%	1.022%	0.000%	21,245	21,245	0	0.668%	2.666%	0.000%
RI	9	9	0	1.919%	1.961%	0.000%	1,835	1,835	0	0.189%	0.808%	0.000%
SC	17	17	0	1.042%	1.086%	0.000%	5,064	5,064	0	0.142%	0.553%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	120	116	4	1.936%	1.994%	1.050%	397,138	372,618	24,520	1.565%	3.901%	0.155%
UT	4	4	0	0.402%	0.429%	0.000%	1,643	1,643	0	0.062%	0.092%	0.000%
VA	4	4	0	1.778%	1.914%	0.000%	586	586	0	0.034%	0.958%	0.000%
VT	5	5	0	0.381%	0.398%	0.000%	779	779	0	0.131%	0.239%	0.000%
WI	309	309	0	4.509%	4.521%	0.000%	120,396	120,396	0	2.750%	4.444%	0.000%
WV	3	3	0	0.275%	0.328%	0.000%	3,087	3,087	0	0.207%	0.984%	0.000%
WY	6	6	0	0.965%	1.089%	0.000%	6,440	6,440	0	1.239%	3.493%	0.000%
Total	2,973	2,855	118	2.487%	2.488%	2.472%	16,777,093	5,278,260	11,498,833	7.310%	5.682%	8.417%

Table A47d. Nitrate (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 5 mg/L			Percent of Systems with At Least One Detection ≥ 5 mg/L			Population Served by Systems with At Least One Detection ≥ 5 mg/L			Percent of Population Served with At Least One Detection ≥ 5 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	50	48	2	3.390%	3.788%	0.962%	9,057	8,753	304	1.272%	2.702%	0.078%
AL	18	16	2	4.235%	4.545%	2.740%	499,477	204,734	294,743	10.533%	13.613%	9.103%
AR												
AZ	356	346	10	21.498%	21.679%	16.667%	4,857,024	1,758,792	3,098,232	77.189%	60.270%	91.821%
CA	1,670	1,563	107	22.616%	23.582%	14.153%	20,804,101	8,729,361	12,074,740	54.012%	57.150%	51.950%
CO	161	151	10	9.232%	10.545%	3.205%	554,601	116,384	438,217	10.551%	16.261%	9.651%
CT	226	223	3	7.756%	7.765%	7.143%	575,636	81,581	494,055	20.657%	18.023%	21.168%
DE	173	172	1	29.828%	29.809%	33.333%	324,205	288,075	36,130	41.654%	57.971%	12.839%
FL	169	169	0	2.701%	2.713%	0.000%	2,635,228	2,635,228	0	13.970%	15.858%	0.000%
GA	2	2	0	1.307%	1.325%	0.000%	298	298	0	0.537%	0.564%	0.000%
HI	3	3	0	2.609%	2.913%	0.000%	178,447	178,447	0	13.625%	14.218%	0.000%
IA	326	310	16	17.194%	16.703%	40.000%	1,052,262	362,351	689,911	39.662%	23.569%	61.838%
ID	214	209	5	10.952%	11.088%	7.246%	377,376	169,761	207,615	31.283%	17.885%	80.733%
IL	276	254	22	7.263%	6.898%	18.644%	925,962	311,249	614,713	9.656%	9.190%	9.910%
IN	525	516	9	9.850%	9.788%	15.517%	772,147	391,303	380,844	14.065%	12.509%	16.126%
KY	30	20	10	10.101%	14.184%	6.410%	303,439	78,712	224,727	6.583%	20.662%	5.315%
MA	178	167	11	10.514%	10.623%	9.091%	544,483	326,312	218,171	6.231%	16.932%	3.203%
MD	989	963	26	24.175%	24.039%	30.588%	2,098,269	199,022	1,899,247	39.768%	15.577%	47.498%
ME	126	125	1	5.588%	5.731%	1.351%	25,622	25,382	240	2.697%	4.983%	0.054%
MI	773	771	2	5.353%	5.365%	2.857%	188,139	183,571	4,568	2.168%	5.254%	0.088%
MN	740	733	7	7.873%	7.888%	6.604%	238,840	191,016	47,824	4.882%	5.248%	3.818%
MO	1	1	0	0.037%	0.039%	0.000%	25	25	0	0.001%	0.001%	0.000%
MT	14	14	0	2.893%	3.024%	0.000%	2,496	2,496	0	0.683%	1.146%	0.000%
NC	415	414	1	6.336%	6.458%	0.719%	183,465	183,386	79	2.496%	8.796%	0.002%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	4	4	0	25.000%	25.000%	0.000%	824	824	0	5.127%	5.127%	0.000%
NH	61	61	0	2.825%	2.852%	0.000%	9,851	9,851	0	1.319%	1.892%	0.000%
NJ	750	747	3	17.781%	17.867%	8.108%	1,314,286	633,553	680,733	15.915%	19.662%	13.517%
NM	7	6	1	6.863%	6.250%	16.667%	73,300	599	72,701	10.387%	0.102%	62.469%
NV	70	69	1	12.153%	12.455%	4.545%	100,310	43,810	56,500	10.052%	14.225%	8.189%
NY	480	432	48	7.395%	7.223%	9.412%	429,465	169,896	259,569	3.486%	10.473%	2.427%
OH	245	205	40	4.830%	4.163%	27.027%	2,347,748	143,320	2,204,428	21.992%	4.015%	31.022%
OK	177	176	1	21.906%	25.036%	0.952%	192,596	192,469	127	9.581%	30.352%	0.009%
OR	162	159	3	6.065%	6.500%	1.333%	102,735	87,075	15,660	3.229%	10.929%	0.657%
RI	42	41	1	8.955%	8.932%	10.000%	176,320	72,404	103,916	18.205%	31.864%	14.018%
SC	84	82	2	5.147%	5.240%	2.985%	36,275	27,095	9,180	1.015%	2.958%	0.345%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	10	5	5	2.710%	2.841%	2.591%	86,781	6,380	80,401	1.526%	0.436%	1.904%
TX	324	313	11	5.227%	5.381%	2.887%	841,164	553,205	287,959	3.314%	5.791%	1.819%
UT	58	55	3	5.823%	5.901%	4.688%	739,205	405,855	333,350	28.019%	22.834%	38.723%
VA	14	14	0	6.222%	6.699%	0.000%	2,189	2,189	0	0.126%	3.577%	0.000%
VT	26	26	0	1.979%	2.072%	0.000%	3,508	3,508	0	0.588%	1.074%	0.000%
WI	1,096	1,096	0	15.993%	16.035%	0.000%	479,285	479,285	0	10.947%	17.691%	0.000%
WV	34	31	3	3.122%	3.388%	1.724%	21,391	19,341	2,050	1.432%	6.163%	0.174%
WY	31	30	1	4.984%	5.445%	1.408%	12,492	12,462	30	2.403%	6.759%	0.009%
Total	11,110	10,742	368	9.294%	9.360%	7.710%	44,120,324	19,289,360	24,830,964	19.224%	20.763%	18.177%

Table A48. Nitrite (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 1 mg/L	82,738	584	0.706%	81,271,403	729,751	0.898%
	≥ 0.5 mg/L	82,738	1,241	1.500%	81,271,403	4,915,364	6.048%
Surface Water	> 1 mg/L	3,575	51	1.427%	126,713,410	9,337,280	7.369%
	≥ 0.5 mg/L	3,575	112	3.133%	126,713,410	21,530,847	16.992%
Combined Ground & Surface Water	> 1 mg/L	86,313	635	0.736%	207,984,813	10,067,031	4.840%
	≥ 0.5 mg/L	86,313	1,353	1.568%	207,984,813	26,446,211	12.715%

Table A48a. Nitrite (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1,142	862	280	3.327%	3.712%	2.143%	0.001	0.001	0.02	0.075	0.07	0.28	0.65	0.65	0.5	4.64	4.64	0.5
AL	2,879	2,027	852	3.925%	3.503%	4.930%	0.002	0.002	0.003	0.03	0.02	0.045	0.3	0.25	0.36	2.03	2.03	2.03
AR																		
AZ	13,349	11,013	2,336	1.671%	1.780%	1.156%	0.004	0.004	0.006	0.05	0.055	0.05	0.48	0.52	0.3	5.8	5.8	0.5
CA	61,630	39,623	22,007	3.060%	4.013%	1.345%	1E-06	1E-06	2E-06	0.004	0.003	0.03	0.34	0.2	0.5	7.31	6.1	7.31
CO	5,507	4,368	1,139	2.760%	2.930%	2.107%	0.002	0.002	0.002	0.03	0.06	0.015	0.56	0.58	0.27	3.51	3.51	0.64
CT	15,902	15,115	787	15.042%	15.250%	11.055%	0.0001	0.0001	0.002	0.01	0.01	0.01	0.1	0.1	0.05	3.44	3.44	1.09
DE	1,655	1,615	40	1.148%	1.115%	2.500%	0.03	0.05	0.03	0.1	0.1	0.03	2.4	2.4	0.03	6.1	6.1	0.03
FL	15,279	15,040	239	10.393%	9.801%	47.699%	0.001	0.001	0.001	0.01	0.01	0.02	0.17	0.16	0.29	2.3	2.3	1.17
GA	100	98	2	3.000%	3.061%	0.000%	0.06	0.06		0.07	0.07		0.3	0.3		0.3	0.3	
HI	3,191	3,100	91	0.000%	0.000%	0.000%												
IA	3,909	3,817	92	17.268%	17.448%	9.783%	0.0003	0.0003	0.02	0.2	0.2	0.02	0.7	0.7	0.7	4	4	0.7
ID	4,604	4,209	395	5.778%	6.296%	0.253%	0.002	0.002	0.01	0.009	0.009	0.01	0.14	0.14	0.01	2.1	2.1	0.01
IL	12,758	12,190	568	4.264%	4.405%	1.232%	0.007	0.01	0.007	0.32	0.32	0.2	1.12	1.12	0.46	2.2	2.2	0.46
IN	3,892	3,738	154	38.849%	38.604%	44.805%	0.0007	0.0007	0.001	0.05	0.05	0.005	0.1	0.1	0.05	5.6	5.6	0.14
KY	2,980	958	2,022	7.886%	9.395%	7.171%	0.0001	0.0001	0.002	0.01	0.01	0.02	0.1	0.08	0.1	5	1	5
MA	8,618	6,056	2,562	20.144%	15.258%	31.694%	0.0004	0.0004	0.004	0.02	0.01	0.03	0.09	0.05	0.12	5	2.28	5
MD	6,993	6,491	502	15.301%	13.326%	40.837%	0.001	0.001	0.001	0.005	0.005	0.009	0.175	0.2	0.02	13	13	8.1
ME	10,450	9,894	556	3.330%	3.275%	4.317%	0.008	0.008	0.01	0.01	0.01	0.01	0.07	0.07	0.05	1.2	1.2	0.1
MI	76,978	76,172	806	26.900%	26.935%	23.573%	0.0023	0.0023	0.01	0.01	0.01	0.01	0.03	0.03	0.025	9.49	9.49	0.91
MN	3,053	3,014	39	12.152%	12.309%	0.000%	0.001	0.001		0.02	0.02		0.27	0.27		2.1	2.1	
MO	12,519	12,068	451	46.945%	45.956%	73.392%	0.01	0.01	0.05	0.31	0.3	0.32	1.89	1.88	2.25	9.94	9.94	8.68
MT	1,249	1,171	78	3.843%	3.928%	2.564%	0.01	0.01	0.01	0.035	0.04	0.01	1.69	1.69	0.01	2.39	2.39	0.01
NC	9,024	8,603	421	4.588%	4.719%	1.900%	0.002	0.002	0.01	0.02	0.02	0.045	0.24	0.23	0.27	4.1	4.1	0.27
ND	22	10	12	54.545%	20.000%	83.333%	0.03	0.04	0.03	0.08	0.07	0.08	0.17	0.1	0.2	0.23	0.1	0.23
NE	18	18	0	0.000%	0.000%	0.000%												
NH	17,114	16,580	534	0.801%	0.820%	0.187%	0.001	0.001	0.59	0.1	0.1	0.59	0.64	0.64	0.59	1.17	1.17	0.59
NJ	8,331	7,246	1,085	6.926%	7.439%	3.502%	0.0003	0.0003	0.004	0.01	0.01	0.02	0.14	0.14	0.17	5.4	5.4	0.53
NM	1,055	985	70	1.611%	1.726%	0.000%	0.01	0.01		0.11	0.11		3.99	3.99		3.99	3.99	
NV	3,421	2,823	598	2.426%	2.515%	2.007%	0.01	0.01	0.01	0.09	0.09	0.075	0.5	0.61	0.24	2.2	2.2	0.27
NY	7,166	6,448	718	5.261%	4.777%	9.610%	0.00001	0.00001	0.005	0.04	0.04	0.02	0.99	1	0.37	9.87	9.87	7.6
OH	37,022	29,534	7,488	0.500%	0.582%	0.174%	0.00014	0.00014	0.05	0.11	0.1	0.19	0.38	0.38	0.4	1.15	1.15	0.48
OK	1,783	1,591	192	6.169%	6.411%	4.167%	0.05	0.05	0.05	0.06	0.06	0.06	0.11	0.11	0.07	0.69	0.69	0.07
OR	1,699	1,297	402	1.413%	1.696%	0.498%	0.004	0.004	0.1	0.04	0.035	0.35	0.3	0.28	0.6	1.5	1.5	0.6
RI	5,601	5,242	359	2.999%	3.052%	2.228%	0.005	0.005	0.02	0.03	0.03	0.02	0.09	0.09	0.03	0.54	0.54	0.03
SC	1,993	1,895	98	2.408%	2.375%	3.061%	0.02	0.02	0.02	0.03	0.03	0.03	0.11	0.11	0.03	0.73	0.73	0.03
SD	380	366	14	4.737%	4.918%	0.000%	0.02	0.02		0.07	0.07		0.4	0.4		0.4	0.4	
TN	427	229	198	3.747%	4.803%	2.525%	0.01	0.01	0.01	0.02	0.02	0.02	0.1	0.1	0.05	0.15	0.15	0.05
TX	7,373	6,132	1,241	16.805%	15.248%	24.496%	0.01	0.01	0.01	0.02	0.02	0.02	0.22	0.22	0.17	1.88	1.88	1.56
UT	11,119	9,322	1,797	38.789%	41.525%	24.597%	0.01	0.01	0.01	0.26	0.27	0.2	0.62	0.62	0.66	7.75	7.75	2.8
VA	281	246	35	7.117%	6.911%	8.571%	0.001	0.001	0.01	0.09	0.1	0.05	0.59	0.68	0.5	0.83	0.83	0.5
VT	1,845	1,801	44	4.065%	4.109%	2.273%	0.002	0.002	0.05	0.02	0.02	0.05	0.12	0.12	0.05	0.66	0.66	0.05
WI	9,603	9,428	175	12.517%	12.548%	10.857%	0.001	0.001	0.007	0.01	0.01	0.01	0.19	0.19	0.2	2.4	2.4	0.2
WV	1,025	916	109	8.390%	8.297%	9.174%	0.003	0.003	0.01	0.05	0.05	0.125	0.77	0.77	0.74	4.67	4.67	1.05
WY	2,236	1,855	381	8.274%	9.003%	4.724%	0.007	0.007	0.009	0.2	0.2	0.125	0.45	0.47	0.33	1.1	1.1	0.36
Total	397,175	345,206	51,969	12.365%	13.251%	6.477%	1E-06	1E-06	2E-06	0.02	0.02	0.03	0.4	0.4	0.45	13	13	8.68



Table A48b. Nitrite (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	696	574	122	454,495	154,431	300,064	5.316%	5.401%	4.918%	1.793%	3.350%	0.991%
AL	372	299	73	4,730,976	1,492,942	3,238,034	18.011%	15.385%	28.767%	36.410%	20.014%	43.969%
AR												
AZ	1,554	1,495	59	6,270,215	2,896,223	3,373,992	9.781%	9.097%	27.119%	61.943%	37.184%	83.196%
CA	5,848	5,158	690	37,944,827	14,925,008	23,019,819	5.797%	5.409%	8.696%	40.388%	35.422%	43.607%
CO	1,337	1,092	245	4,514,859	606,463	3,908,396	9.200%	9.615%	7.347%	15.075%	9.211%	15.985%
CT	2,914	2,872	42	2,786,657	452,660	2,333,997	29.822%	29.666%	40.476%	47.380%	31.292%	50.501%
DE	471	468	3	739,114	457,714	281,400	2.972%	2.778%	33.333%	22.971%	6.507%	49.751%
FL	6,255	6,229	26	18,740,484	16,494,442	2,246,042	15.172%	14.962%	65.385%	49.287%	50.043%	43.736%
GA	58	57	1	39,440	36,769	2,671	5.172%	5.263%	0.000%	0.231%	0.247%	0.000%
HI	115	103	12	1,309,687	1,255,059	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	987	966	21	1,597,084	706,789	890,295	12.563%	12.526%	14.286%	19.760%	19.042%	20.330%
ID	1,595	1,537	58	1,141,810	887,213	254,597	10.972%	11.321%	1.724%	13.402%	15.664%	5.519%
IL	3,710	3,593	117	9,533,963	3,348,644	6,185,319	3.639%	3.590%	5.128%	4.358%	11.051%	0.735%
IN	2,240	2,218	22	3,407,638	1,613,340	1,794,298	49.152%	49.188%	45.455%	47.527%	59.771%	36.519%
KY	294	139	155	4,608,962	380,728	4,228,234	44.898%	37.410%	51.613%	60.117%	26.099%	63.180%
MA	1,618	1,500	118	8,656,220	1,919,553	6,736,667	30.532%	30.067%	36.441%	67.478%	48.304%	72.942%
MD	3,026	2,967	59	4,890,003	1,005,870	3,884,133	20.489%	19.953%	47.458%	76.067%	16.094%	91.598%
ME	2,122	2,048	74	932,430	491,739	440,691	10.697%	10.498%	16.216%	16.172%	17.170%	15.059%
MI	13,403	13,333	70	8,557,544	3,373,158	5,184,386	58.875%	58.756%	81.429%	87.342%	77.358%	93.838%
MN	2,393	2,360	33	1,690,318	1,653,867	36,451	12.787%	12.966%	0.000%	16.859%	17.231%	0.000%
MO	2,612	2,527	85	4,323,075	1,843,168	2,479,907	57.274%	56.074%	92.941%	77.989%	49.197%	99.389%
MT	492	471	21	372,908	225,136	147,772	7.927%	8.068%	4.762%	6.858%	11.301%	0.088%
NC	4,927	4,836	91	5,676,016	1,402,478	4,273,538	7.489%	7.486%	7.692%	9.128%	20.793%	5.300%
ND	12	6	6	25,377	18,348	7,029	58.333%	33.333%	83.333%	31.690%	15.239%	74.634%
NE	11	11	0	15,414	15,414	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	2,630	2,589	41	1,281,333	731,534	549,799	3.004%	3.013%	2.439%	3.277%	5.673%	0.087%
NJ	1,911	1,877	34	7,167,350	2,454,112	4,713,238	14.966%	14.598%	35.294%	55.856%	28.781%	69.954%
NM	544	522	22	1,432,779	1,241,815	190,964	3.125%	3.257%	0.000%	8.100%	9.346%	0.000%
NV	566	544	22	997,503	307,586	689,917	9.541%	9.007%	22.727%	71.444%	16.989%	95.721%
NY	2,386	2,208	178	9,658,089	590,778	9,067,311	12.028%	11.005%	24.719%	75.311%	14.517%	79.272%
OH	5,053	4,906	147	10,672,352	3,566,540	7,105,812	3.028%	2.915%	6.803%	3.008%	3.367%	2.828%
OK	787	691	96	1,948,185	623,862	1,324,323	11.563%	12.012%	8.333%	6.261%	12.822%	3.170%
OR	989	853	136	2,855,851	519,515	2,336,336	2.224%	2.345%	1.471%	2.644%	11.102%	0.764%
RI	469	459	10	968,534	227,231	741,303	14.072%	13.508%	40.000%	26.731%	15.246%	30.251%
SC	1,141	1,088	53	3,200,533	691,636	2,508,897	3.330%	3.309%	3.774%	2.174%	0.664%	2.590%
SD	300	289	11	334,779	202,039	132,740	5.667%	5.882%	0.000%	4.419%	7.323%	0.000%
TN	84	52	32	2,349,183	1,014,599	1,334,584	5.952%	5.769%	6.250%	17.790%	0.027%	31.294%
TX	3,673	3,333	340	22,322,690	6,694,172	15,628,518	20.120%	17.612%	44.706%	68.120%	52.194%	74.941%
UT	947	884	63	2,608,294	1,747,635	860,659	70.116%	69.118%	84.127%	89.438%	85.521%	97.393%
VA	177	165	12	1,899,919	51,267	1,848,652	9.605%	9.091%	16.667%	39.325%	8.848%	40.171%
VT	800	777	23	209,994	157,872	52,122	8.000%	8.108%	4.348%	14.001%	18.567%	0.173%
WI	3,751	3,731	20	4,182,062	2,490,318	1,691,744	21.354%	21.094%	70.000%	42.046%	48.058%	33.196%
WV	451	390	61	423,068	124,414	298,654	16.630%	16.667%	16.393%	20.606%	21.382%	20.282%
WY	592	521	71	512,799	177,322	335,477	20.101%	19.962%	21.127%	36.868%	37.750%	36.402%
Total	86,313	82,738	3,575	207,984,813	81,271,403	126,713,410	22.318%	22.285%	23.077%	44.615%	36.640%	49.731%

Table A48c. Nitrite (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 1 mg/L			Percent of Systems with At Least One Detection > 1 mg/L			Population Served by Systems with At Least One Detection > 1 mg/L			Percent of Population Served with At Least One Detection > 1 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3	3	0	0.431%	0.523%	0.000%	295	295	0	0.065%	0.191%	0.000%
AL	3	1	2	0.806%	0.334%	2.740%	671,155	9,321	661,834	14.186%	0.624%	20.439%
AR												
AZ	5	5	0	0.322%	0.334%	0.000%	32,937	32,937	0	0.525%	1.137%	0.000%
CA	18	14	4	0.308%	0.271%	0.580%	4,624,393	120,741	4,503,652	12.187%	0.809%	19.564%
CO	3	3	0	0.224%	0.275%	0.000%	626	626	0	0.014%	0.103%	0.000%
CT	8	6	2	0.275%	0.209%	4.762%	40,363	2,215	38,148	1.448%	0.489%	1.634%
DE	4	4	0	0.849%	0.855%	0.000%	11,262	11,262	0	1.524%	2.460%	0.000%
FL	6	3	3	0.096%	0.048%	11.538%	142,645	588	142,057	0.761%	0.004%	6.325%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	14	14	0	1.418%	1.449%	0.000%	22,956	22,956	0	1.437%	3.248%	0.000%
ID	4	4	0	0.251%	0.260%	0.000%	185	185	0	0.016%	0.021%	0.000%
IL	12	12	0	0.323%	0.334%	0.000%	6,435	6,435	0	0.067%	0.192%	0.000%
IN	7	7	0	0.313%	0.316%	0.000%	2,152	2,152	0	0.063%	0.133%	0.000%
KY	2	0	2	0.680%	0.000%	1.290%	50,976	0	50,976	1.106%	0.000%	1.206%
MA	5	3	2	0.309%	0.200%	1.695%	78,781	32,715	46,066	0.910%	1.704%	0.684%
MD	19	17	2	0.628%	0.573%	3.390%	1,712,779	2,737	1,710,042	35.026%	0.272%	44.026%
ME	1	1	0	0.047%	0.049%	0.000%	85	85	0	0.009%	0.017%	0.000%
MI	25	25	0	0.187%	0.188%	0.000%	3,125	3,125	0	0.037%	0.093%	0.000%
MN	4	4	0	0.167%	0.169%	0.000%	2,292	2,292	0	0.136%	0.139%	0.000%
MO	355	338	17	13.591%	13.376%	20.000%	771,834	134,534	637,300	17.854%	7.299%	25.699%
MT	3	3	0	0.610%	0.637%	0.000%	2,343	2,343	0	0.628%	1.041%	0.000%
NC	4	4	0	0.081%	0.083%	0.000%	1,495	1,495	0	0.026%	0.107%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	2	2	0	0.076%	0.077%	0.000%	1,350	1,350	0	0.105%	0.185%	0.000%
NJ	4	4	0	0.209%	0.213%	0.000%	12,800	12,800	0	0.179%	0.522%	0.000%
NM	3	3	0	0.551%	0.575%	0.000%	410	410	0	0.029%	0.033%	0.000%
NV	3	3	0	0.530%	0.551%	0.000%	765	765	0	0.077%	0.249%	0.000%
NY	29	26	3	1.215%	1.178%	1.685%	4,247	4,149	98	0.044%	0.702%	0.001%
OH	2	2	0	0.040%	0.041%	0.000%	1,517	1,517	0	0.014%	0.043%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	1	1	0	0.101%	0.117%	0.000%	175	175	0	0.006%	0.034%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	14	9	5	0.381%	0.270%	1.471%	1,133,205	42,897	1,090,308	5.076%	0.641%	6.976%
UT	60	52	8	6.336%	5.882%	12.698%	690,018	241,972	448,046	26.455%	13.846%	52.058%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	7	7	0	0.187%	0.188%	0.000%	28,254	28,254	0	0.676%	1.135%	0.000%
WV	4	3	1	0.887%	0.769%	1.639%	15,086	6,333	8,753	3.566%	5.090%	2.931%
WY	1	1	0	0.169%	0.192%	0.000%	90	90	0	0.018%	0.051%	0.000%
Total	635	584	51	0.736%	0.706%	1.427%	10,067,031	729,751	9,337,280	4.840%	0.898%	7.369%

Table A48d. Nitrite (as N) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 0.5 mg/L			Percent of Systems with At Least One Detection ≥ 0.5 mg/L			Population Served by Systems with At Least One Detection ≥ 0.5 mg/L			Percent of Population Served with At Least One Detection ≥ 0.5 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	7	5	2	1.006%	0.871%	1.639%	2,574	2,335	239	0.566%	1.512%	0.080%
AL	7	3	4	1.882%	1.003%	5.479%	753,676	25,899	727,777	15.931%	1.735%	22.476%
AR												
AZ	17	16	1	1.094%	1.070%	1.695%	63,508	63,368	140	1.013%	2.188%	0.004%
CA	52	39	13	0.889%	0.756%	1.884%	5,826,393	575,592	5,250,801	15.355%	3.857%	22.810%
CO	18	16	2	1.346%	1.465%	0.816%	68,287	4,484	63,803	1.512%	0.739%	1.632%
CT	26	24	2	0.892%	0.836%	4.762%	43,345	5,197	38,148	1.555%	1.148%	1.634%
DE	5	5	0	1.062%	1.068%	0.000%	13,262	13,262	0	1.794%	2.897%	0.000%
FL	28	24	4	0.448%	0.385%	15.385%	2,953,977	2,569,796	384,181	15.763%	15.580%	17.105%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	27	26	1	2.736%	2.692%	4.762%	57,571	56,999	572	3.605%	8.065%	0.064%
ID	10	10	0	0.627%	0.651%	0.000%	580	580	0	0.051%	0.065%	0.000%
IL	30	30	0	0.809%	0.835%	0.000%	35,425	35,425	0	0.372%	1.058%	0.000%
IN	13	13	0	0.580%	0.586%	0.000%	4,423	4,423	0	0.130%	0.274%	0.000%
KY	6	2	4	2.041%	1.439%	2.581%	58,822	1,342	57,480	1.276%	0.352%	1.359%
MA	9	6	3	0.556%	0.400%	2.542%	198,422	50,976	147,446	2.292%	2.656%	2.189%
MD	29	26	3	0.958%	0.876%	5.085%	3,423,814	3,772	3,420,042	70.017%	0.375%	88.052%
ME	3	3	0	0.141%	0.146%	0.000%	1,630	1,630	0	0.175%	0.331%	0.000%
MI	61	60	1	0.455%	0.450%	1.429%	44,972	39,487	5,485	0.526%	1.171%	0.106%
MN	4	4	0	0.167%	0.169%	0.000%	2,292	2,292	0	0.136%	0.139%	0.000%
MO	616	584	32	23.583%	23.110%	37.647%	2,339,658	302,964	2,036,694	54.120%	16.437%	82.128%
MT	5	5	0	1.016%	1.062%	0.000%	3,168	3,168	0	0.850%	1.407%	0.000%
NC	19	19	0	0.386%	0.393%	0.000%	4,629	4,629	0	0.082%	0.330%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	11	10	1	0.418%	0.386%	2.439%	3,147	2,667	480	0.246%	0.365%	0.087%
NJ	16	15	1	0.837%	0.799%	2.941%	797,792	121,538	676,254	11.131%	4.952%	14.348%
NM	4	4	0	0.735%	0.766%	0.000%	510	510	0	0.036%	0.041%	0.000%
NV	9	9	0	1.590%	1.654%	0.000%	17,412	17,412	0	1.746%	5.661%	0.000%
NY	53	48	5	2.221%	2.174%	2.809%	6,812,556	7,179	6,805,377	70.537%	1.215%	75.054%
OH	6	6	0	0.119%	0.122%	0.000%	5,137	5,137	0	0.048%	0.144%	0.000%
OK	1	1	0	0.127%	0.145%	0.000%	432	432	0	0.022%	0.069%	0.000%
OR	2	1	1	0.202%	0.117%	0.735%	6,875	175	6,700	0.241%	0.034%	0.287%
RI	1	1	0	0.213%	0.218%	0.000%	150	150	0	0.015%	0.066%	0.000%
SC	1	1	0	0.088%	0.092%	0.000%	36	36	0	0.001%	0.005%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	38	26	12	1.035%	0.780%	3.529%	1,633,073	265,724	1,367,349	7.316%	3.969%	8.749%
UT	179	161	18	18.902%	18.213%	28.571%	1,185,969	659,143	526,826	45.469%	37.716%	61.212%
VA	2	1	1	1.130%	0.606%	8.333%	6,325	25	6,300	0.333%	0.049%	0.341%
VT	3	3	0	0.375%	0.386%	0.000%	285	285	0	0.136%	0.181%	0.000%
WI	20	20	0	0.533%	0.536%	0.000%	49,027	49,027	0	1.172%	1.969%	0.000%
WV	10	9	1	2.217%	2.308%	1.639%	25,152	16,399	8,753	5.945%	13.181%	2.931%
WY	5	5	0	0.845%	0.960%	0.000%	1,905	1,905	0	0.371%	1.074%	0.000%
Total	1,353	1,241	112	1.568%	1.500%	3.133%	26,446,211	4,915,364	21,530,847	12.715%	6.048%	16.992%

Table A49. Oxamyl (Vydate) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 200 µg/L	28,100	0	0.000%	61,701,854	0	0.000%
	≥ 100 µg/L	28,100	0	0.000%	61,701,854	0	0.000%
	> 2 µg/L	28,100	14	0.050%	61,701,854	38,142	0.062%
Surface Water	> 200 µg/L	2,776	1	0.036%	105,676,577	200	0.000%
	≥ 100 µg/L	2,776	1	0.036%	105,676,577	200	0.000%
	> 2 µg/L	2,776	4	0.144%	105,676,577	258,348	0.244%
Combined Ground & Surface Water	> 200 µg/L	30,876	1	0.003%	167,378,431	200	0.000%
	≥ 100 µg/L	30,876	1	0.003%	167,378,431	200	0.000%
	> 2 µg/L	30,876	18	0.058%	167,378,431	296,490	0.177%

Table A49a. Oxamyl (Vydate) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	32	14	18	0.000%	0.000%	0.000%												
AL	503	374	129	0.000%	0.000%	0.000%												
AR	1,544	1,318	226	0.000%	0.000%	0.000%												
AZ	6,376	4,952	1,424	0.125%	0.141%	0.070%	0.5	0.5	0.5	0.5	0.5	0.5	2	2	0.5	2	2	0.5
CA	12,095	6,951	5,144	0.008%	0.000%	0.019%	531.1		531.1	531.1		531.1	531.1		531.1	531.1		531.1
CO	2,375	1,709	666	0.000%	0.000%	0.000%												
CT	1,310	1,001	309	0.992%	1.299%	0.000%	1	1		1	1		1	1		1	1	
DE	1,248	1,218	30	0.481%	0.493%	0.000%	0.53	0.53		0.53	0.53		0.53	0.53		0.53	0.53	
FL	2,360	2,295	65	0.636%	0.654%	0.000%	0.18	0.18		0.5	0.5		4	4		4	4	
GA	1,428	1,355	73	0.000%	0.000%	0.000%												
HI	1,694	1,646	48	0.000%	0.000%	0.000%												
IA	49	32	17	0.000%	0.000%	0.000%												
ID	1,177	965	212	0.000%	0.000%	0.000%												
IL	3,013	2,624	389	0.000%	0.000%	0.000%												
IN	2,241	2,081	160	0.000%	0.000%	0.000%												
KY	1,743	441	1,302	0.459%	0.000%	0.614%	1.28		1.28	2		2	2.6		2.6	2.6		2.6
MA	2,922	2,157	765	0.000%	0.000%	0.000%												
MD	2,355	1,632	723	0.679%	0.797%	0.415%	2	5	2	5	5	2	5	5	2	5	5	2
ME	357	300	57	0.000%	0.000%	0.000%												
MI	6,607	6,340	267	0.000%	0.000%	0.000%												
MN	4,577	4,443	134	0.000%	0.000%	0.000%												
MO	4,610	4,040	570	0.000%	0.000%	0.000%												
MT	2,851	2,583	268	0.035%	0.039%	0.000%	3.3	3.3		3.3	3.3		3.3	3.3		3.3	3.3	
NC	12,775	11,736	1,039	0.008%	0.009%	0.000%	5.01	5.01		5.01	5.01		5.01	5.01		5.01	5.01	
ND	60	41	19	0.000%	0.000%	0.000%												
NE	2,345	2,279	66	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	158	145	13	0.000%	0.000%	0.000%												
NM	4,260	4,011	249	0.047%	0.050%	0.000%	1.5	1.5		1.6	1.6		1.7	1.7		1.7	1.7	
NV	1,535	1,144	391	0.000%	0.000%	0.000%												
NY	2,866	2,154	712	0.070%	0.093%	0.000%	0.5	0.5		0.75	0.75		1	1		1	1	
OH	531	381	150	0.000%	0.000%	0.000%												
OK	5	5	0	0.000%	0.000%	0.000%												
OR	2,054	1,570	484	0.000%	0.000%	0.000%												
RI	471	316	155	0.212%	0.000%	0.645%	1.2		1.2	1.2		1.2	1.2		1.2	1.2		1.2
SC	2,998	2,625	373	0.000%	0.000%	0.000%												
SD	898	787	111	0.000%	0.000%	0.000%												
TN	79	13	66	0.000%	0.000%	0.000%												
TX	829	706	123	0.000%	0.000%	0.000%												
UT	7,103	5,915	1,188	0.000%	0.000%	0.000%												
VA	415	154	261	0.000%	0.000%	0.000%												
VT	1,287	1,097	190	0.311%	0.365%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
WI	3,161	3,069	92	0.000%	0.000%	0.000%												
WV	640	334	306	1.563%	1.796%	1.307%	0.5	0.53	0.5	0.83	0.53	1.13	20.565	1.13	40	40	1.13	40
WY	1,250	939	311	0.000%	0.000%	0.000%												
Total	113,380	93,766	19,614	0.078%	0.075%	0.092%	0.18	0.18	0.5	1	1	2	5	5	40	531.1	5.01	531.1

Table A49b. Oxamyl (Vydate) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	8	6	2	22,575	13,611	8,964	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	171	126	45	2,702,037	589,449	2,112,588	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	912	864	48	6,035,739	2,665,148	3,370,591	0.548%	0.463%	2.083%	17.050%	27.356%	8.901%
CA	1,397	1,130	267	32,699,061	11,168,297	21,530,764	0.072%	0.000%	0.375%	0.001%	0.000%	0.001%
CO	795	578	217	4,978,003	511,369	4,466,634	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	652	615	37	2,588,853	261,586	2,327,267	1.840%	1.951%	0.000%	0.113%	1.120%	0.000%
DE	238	235	3	650,290	368,890	281,400	2.521%	2.553%	0.000%	1.032%	1.819%	0.000%
FL	1,310	1,289	21	16,786,098	14,546,922	2,239,176	0.687%	0.698%	0.000%	18.380%	21.209%	0.000%
GA	296	283	13	994,603	305,252	689,351	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	110	98	12	1,300,849	1,246,221	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	5	4	1	162,247	27,630	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	492	466	26	857,411	639,629	217,782	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,153	1,052	101	9,103,561	2,907,639	6,195,922	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	2.881%	0.000%	4.667%	8.155%	0.000%	8.878%
MA	644	527	117	8,509,572	1,707,190	6,802,382	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MD	856	790	66	4,901,793	906,003	3,995,790	1.402%	1.266%	3.030%	35.270%	0.627%	43.125%
ME	208	185	23	471,954	108,050	363,904	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,931	2,870	61	7,228,834	2,048,978	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,282	1,253	29	3,931,466	2,681,825	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,461	1,385	76	2,643,059	1,698,598	944,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	812	752	60	753,305	360,636	392,669	0.123%	0.133%	0.000%	0.010%	0.021%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.042%	0.045%	0.000%	0.001%	0.004%	0.000%
ND	28	22	6	47,665	40,636	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	712	701	11	1,453,178	676,698	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	128	118	10	1,906,326	343,608	1,562,718	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	696	660	36	1,663,162	1,400,264	262,898	0.287%	0.303%	0.000%	0.835%	0.992%	0.000%
NV	291	270	21	960,557	270,666	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,343	1,113	230	4,921,839	980,149	3,941,690	0.149%	0.180%	0.000%	0.012%	0.058%	0.000%
OH	269	190	79	6,465,862	483,522	5,982,340	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK	3	3	0	905	905	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OR	1,082	932	150	2,935,110	570,360	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	72	63	9	894,778	154,800	739,978	1.389%	0.000%	11.111%	2.978%	0.000%	3.601%
SC	778	719	59	3,428,914	802,131	2,626,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	259	238	21	621,074	261,903	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	26	7	19	1,255,969	157,598	1,098,371	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	669	606	63	2,803,106	435,220	2,367,886	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,671	1,667,485	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	174	65	109	2,312,591	26,001	2,286,590	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	438	404	34	432,235	180,711	251,524	0.913%	0.990%	0.000%	0.148%	0.354%	0.000%
WI	1,405	1,385	20	3,883,163	2,191,419	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	339	194	145	1,360,534	203,368	1,157,166	2.360%	3.093%	1.379%	0.642%	0.575%	0.653%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	30,876	28,100	2,776	167,378,431	61,701,854	105,676,577	0.230%	0.203%	0.504%	3.752%	6.233%	2.303%

Table A49c. Oxamyl (Vydate) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 200 µg/L			Percent of Systems with At Least One Detection > 200 µg/L			Population Served by Systems with At Least One Detection > 200 µg/L			Percent of Population Served with At Least One Detection > 200 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	0	1	0.072%	0.000%	0.375%	200	0	200	0.001%	0.000%	0.001%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	0	1	0.003%	0.000%	0.036%	200	0	200	0.000%	0.000%	0.000%

Table A49d. Oxamyl (Vydate) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 100 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 100 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 100 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 100 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	0	1	0.072%	0.000%	0.375%	200	0	200	0.001%	0.000%	0.001%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	0	1	0.003%	0.000%	0.036%	200	0	200	0.000%	0.000%	0.000%



Table A49e. Oxamyl (Vydate) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 2 µg/L			Percent of Systems with At Least One Detection > 2 µg/L			Population Served by Systems with At Least One Detection > 2 µg/L			Percent of Population Served with At Least One Detection > 2 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	0	1	0.072%	0.000%	0.375%	200	0	200	0.001%	0.000%	0.001%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	0	1	0.295%	0.000%	0.690%	3,186	0	3,186	0.234%	0.000%	0.275%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	21	17	4	0.066%	0.059%	0.142%	299,704	41,356	258,348	0.179%	0.067%	0.244%

Table A50. Pentachlorophenol – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 1 µg/L	31,142	7	0.022%	68,667,605	11,376	0.017%
	≥ 0.5 µg/L	31,142	21	0.067%	68,667,605	434,892	0.633%
Surface Water	> 1 µg/L	3,197	1	0.031%	121,840,104	429	0.000%
	≥ 0.5 µg/L	3,197	8	0.250%	121,840,104	310,346	0.255%
Combined Ground & Surface Water	> 1 µg/L	34,339	8	0.023%	190,507,709	11,805	0.006%
	≥ 0.5 µg/L	34,339	29	0.084%	190,507,709	745,238	0.391%

Table A50a. Pentachlorophenol – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	113	48	65	0.000%	0.000%	0.000%												
AL	596	405	191	0.671%	0.494%	1.047%	0.07	0.19	0.07	0.145	0.4	0.085	0.61	0.61	0.1	0.61	0.61	0.1
AR	1,588	1,357	231	0.000%	0.000%	0.000%												
AZ	6,850	5,427	1,423	0.409%	0.479%	0.141%	0.04	0.04	0.04	0.05	0.05	0.325	0.28	0.16	0.61	0.61	0.34	0.61
CA	14,641	8,627	6,014	0.096%	0.104%	0.083%	0.05	0.05	0.18	0.325	0.2	0.4	0.7	10	0.51	10	10	0.51
CO	2,526	1,847	679	0.079%	0.108%	0.000%	0.1	0.1		0.195	0.195		0.29	0.29		0.29	0.29	
CT	1,330	1,013	317	0.000%	0.000%	0.000%												
DE	826	788	38	0.000%	0.000%	0.000%												
FL	2,395	2,327	68	0.626%	0.602%	1.471%	0.01	0.01	0.14	0.01	0.01	0.14	0.32	0.32	0.14	0.32	0.32	0.14
GA	1,481	1,402	79	0.068%	0.071%	0.000%	0.26	0.26		0.26	0.26		0.26	0.26		0.26	0.26	
HI																		
IA	1,733	1,603	130	0.115%	0.125%	0.000%	0.2	0.2		0.3	0.3		0.4	0.4		0.4	0.4	
ID	2,096	1,814	282	0.191%	0.221%	0.000%	0.06	0.06		0.145	0.145		0.66	0.66		0.66	0.66	
IL	4,017	3,475	542	0.100%	0.086%	0.185%	0.09	0.09	0.32	0.135	0.11	0.32	0.32	0.16	0.32	0.32	0.16	0.32
IN	2,286	2,119	167	0.131%	0.142%	0.000%	0.06	0.06		0.19	0.19		0.19	0.19		0.19	0.19	
KY	2,370	637	1,733	0.422%	0.157%	0.519%	0.01	4	0.01	0.5	4	0.5	2.5	4	1	4	4	1
MA	2,953	2,167	786	0.034%	0.046%	0.000%	0.04	0.04		0.04	0.04		0.04	0.04		0.04	0.04	
MD	2,515	1,699	816	3.459%	3.002%	4.412%	0.01	0.01	0.01	0.04	0.03	0.045	0.14	0.14	0.14	0.85	0.85	0.45
ME	378	317	61	0.265%	0.315%	0.000%	0.3	0.3		0.3	0.3		0.3	0.3		0.3	0.3	
MI	6,583	6,290	293	0.091%	0.095%	0.000%	0.1	0.1		0.175	0.175		0.29	0.29		0.29	0.29	
MN	4,627	4,495	132	0.108%	0.089%	0.758%	0.5	0.5	0.8	0.7	0.65	0.8	0.8	0.8	0.8	0.8	0.8	0.8
MO	5,945	4,997	948	0.017%	0.020%	0.000%	0.01	0.01		0.01	0.01		0.01	0.01		0.01	0.01	
MT	3,280	2,970	310	0.122%	0.135%	0.000%	0.14	0.14		0.445	0.445		1	1		1	1	
NC	13,940	12,710	1,230	0.344%	0.330%	0.488%	0.04	0.04	0.07	0.105	0.095	0.12	0.4	0.4	0.13	3.6	3.6	0.13
ND	398	338	60	1.759%	0.592%	8.333%	0.04	0.04	0.07	0.08	0.045	0.11	0.16	0.05	0.16	0.16	0.05	0.16
NE	2,220	2,143	77	0.045%	0.047%	0.000%	0.67	0.67		0.67	0.67		0.67	0.67		0.67	0.67	
NH	4,193	3,874	319	0.048%	0.052%	0.000%	0.05	0.05		0.075	0.075		0.1	0.1		0.1	0.1	
NJ	199	174	25	0.000%	0.000%	0.000%												
NM	4,904	4,637	267	0.224%	0.237%	0.000%	0.01	0.01		0.25	0.25		0.97	0.97		1.3	1.3	
NV	1,635	1,188	447	0.550%	0.673%	0.224%	0.04	0.04	0.09	0.06	0.055	0.09	0.15	0.15	0.09	0.15	0.15	0.09
NY	2,884	2,173	711	0.139%	0.184%	0.000%	0.84	0.84		1	1		5	5		5	5	
OH	599	404	195	0.334%	0.495%	0.000%	0.13	0.13		0.435	0.435		0.74	0.74		0.74	0.74	
OK																		
OR	2,055	1,573	482	0.292%	0.318%	0.207%	0.04	0.05	0.04	0.095	0.1	0.04	0.3	0.3	0.04	0.3	0.3	0.04
RI	881	619	262	0.000%	0.000%	0.000%												
SC	3,304	2,893	411	0.454%	0.449%	0.487%	0.02	0.02	0.03	0.06	0.08	0.04	0.19	0.19	0.05	0.25	0.25	0.05
SD	952	842	110	0.000%	0.000%	0.000%												
TN	61	12	49	0.000%	0.000%	0.000%												
TX	13,213	6,622	6,591	0.015%	0.000%	0.030%	4		4	4		4	4		4	4		4
UT	7,089	5,906	1,183	0.042%	0.051%	0.000%	0.1	0.1		0.1	0.1		0.2	0.2		0.2	0.2	
VA	441	148	293	0.000%	0.000%	0.000%												
VT	1,303	1,109	194	0.230%	0.180%	0.515%	0.04	0.04	0.1	0.1	0.07	0.1	0.1	0.1	0.1	0.1	0.1	0.1
WI	3,176	3,084	92	0.535%	0.551%	0.000%	0.04	0.04		0.08	0.08		0.24	0.24		0.3	0.3	
WV	644	337	307	1.863%	2.671%	0.977%	0.01	0.01	0.01	0.01	0.01	0.01	0.5	0.65	0.5	0.65	0.65	0.5
WY	1,255	941	314	0.398%	0.531%	0.000%	0.1	0.1		0.19	0.19		2	2		2	2	
Total	136,475	107,551	28,924	0.248%	0.243%	0.270%	0.01	0.01	0.01	0.08	0.08	0.09	0.6	0.6	0.51	10	10	4

Table A50b. Pentachlorophenol – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	21	15	6	316,496	84,946	231,550	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	184	131	53	3,496,123	619,137	2,876,986	2.174%	1.527%	3.774%	1.177%	2.084%	0.982%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	913	865	48	6,038,526	2,667,935	3,370,591	2.081%	1.965%	4.167%	7.673%	5.214%	9.619%
CA	1,612	1,283	329	33,848,671	12,044,555	21,804,116	0.744%	0.546%	1.520%	0.622%	0.838%	0.502%
CO	813	594	219	4,993,297	526,388	4,466,909	0.246%	0.337%	0.000%	0.009%	0.084%	0.000%
CT	654	617	37	2,588,507	261,240	2,327,267	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	254	251	3	624,615	343,215	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,318	1,296	22	16,796,064	14,554,059	2,242,005	0.759%	0.694%	4.545%	18.816%	17.898%	24.778%
GA	297	283	14	997,274	305,252	692,022	0.337%	0.353%	0.000%	0.045%	0.146%	0.000%
HI												
IA	1,054	1,021	33	2,542,611	1,433,985	1,108,626	0.190%	0.196%	0.000%	0.041%	0.072%	0.000%
ID	871	814	57	1,064,886	808,690	256,196	0.459%	0.491%	0.000%	0.142%	0.187%	0.000%
IL	1,368	1,264	104	9,183,247	2,982,850	6,200,397	0.292%	0.237%	0.962%	0.102%	0.081%	0.112%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.214%	0.221%	0.000%	0.016%	0.030%	0.000%
KY	243	93	150	4,612,320	375,460	4,236,860	3.292%	1.075%	4.667%	7.692%	0.506%	8.329%
MA	644	527	117	8,506,732	1,704,350	6,802,382	0.155%	0.190%	0.000%	0.188%	0.938%	0.000%
MD	863	795	68	4,906,061	907,954	3,998,107	8.111%	6.038%	32.353%	80.605%	31.999%	91.643%
ME	216	190	26	491,237	116,848	374,389	0.463%	0.526%	0.000%	0.073%	0.308%	0.000%
MI	2,919	2,858	61	7,224,193	2,044,337	5,179,856	0.137%	0.140%	0.000%	0.950%	3.358%	0.000%
MN	1,288	1,259	29	3,933,642	2,684,001	1,249,641	0.155%	0.079%	3.448%	0.127%	0.001%	0.397%
MO	1,476	1,399	77	3,281,938	1,700,607	1,581,331	0.068%	0.071%	0.000%	0.092%	0.178%	0.000%
MT	846	786	60	757,811	365,142	392,669	0.118%	0.127%	0.000%	0.037%	0.077%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	1.734%	1.661%	2.920%	3.965%	8.347%	2.491%
ND	209	182	27	559,198	253,973	305,225	1.435%	1.099%	3.704%	2.866%	0.085%	5.180%
NE	739	728	11	1,454,673	678,193	776,480	0.135%	0.137%	0.000%	1.765%	3.786%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.162%	0.167%	0.000%	2.156%	5.151%	0.000%
NJ	131	120	11	1,971,594	344,374	1,627,220	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	694	659	35	1,657,042	1,395,944	261,098	0.720%	0.759%	0.000%	32.761%	38.888%	0.000%
NV	286	265	21	959,703	269,812	689,891	1.049%	0.755%	4.762%	34.877%	0.130%	48.467%
NY	1,345	1,115	230	4,923,782	982,092	3,941,690	0.149%	0.179%	0.000%	0.040%	0.202%	0.000%
OH	275	196	79	6,526,958	495,763	6,031,195	0.727%	1.020%	0.000%	0.030%	0.391%	0.000%
OK												
OR	1,087	937	150	2,937,439	572,689	2,364,750	0.552%	0.534%	0.667%	0.725%	3.575%	0.035%
RI	107	98	9	903,992	164,014	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	785	725	60	3,448,394	820,701	2,627,693	0.764%	0.690%	1.667%	1.484%	1.292%	1.543%
SD	260	239	21	622,152	262,981	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	12	6	6	651,369	145,112	506,257	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	2,006	1,669	337	21,524,625	5,761,125	15,763,500	0.050%	0.000%	0.297%	0.002%	0.000%	0.003%
UT	426	389	37	2,500,671	1,667,485	833,186	0.235%	0.257%	0.000%	2.679%	4.018%	0.000%
VA	173	63	110	2,380,983	26,904	2,354,079	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	440	407	33	432,434	181,270	251,164	0.682%	0.491%	3.030%	3.739%	0.280%	6.236%
WI	1,406	1,386	20	3,883,613	2,191,869	1,691,744	0.853%	0.866%	0.000%	0.649%	1.150%	0.000%
WV	342	197	145	1,367,674	206,326	1,161,348	2.924%	4.569%	0.690%	0.991%	4.448%	0.377%
WY	304	256	48	446,177	129,229	316,948	1.316%	1.563%	0.000%	0.170%	0.587%	0.000%
Total	34,339	31,142	3,197	190,507,709	68,667,605	121,840,104	0.731%	0.639%	1.627%	5.094%	5.996%	4.585%

Table A50c. Pentachlorophenol – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 1 µg/L			Percent of Systems with At Least One Detection > 1 µg/L			Population Served by Systems with At Least One Detection > 1 µg/L			Percent of Population Served with At Least One Detection > 1 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.062%	0.078%	0.000%	50	50	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	1	0	0.412%	1.075%	0.000%	1,898	1,898	0	0.041%	0.506%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	2	2	0	0.085%	0.090%	0.000%	924	924	0	0.013%	0.053%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	1	1	0	0.144%	0.152%	0.000%	8,114	8,114	0	0.490%	0.581%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.074%	0.090%	0.000%	300	300	0	0.006%	0.031%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	0	1	0.050%	0.000%	0.297%	429	0	429	0.002%	0.000%	0.003%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	1	1	0	0.329%	0.391%	0.000%	90	90	0	0.020%	0.070%	0.000%
Total	8	7	1	0.023%	0.022%	0.031%	11,805	11,376	429	0.006%	0.017%	0.0004%

Table A50d. Pentachlorophenol – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	1	0	0.543%	0.763%	0.000%	7,857	7,857	0	0.225%	1.269%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	1	0	1	0.110%	0.000%	2.083%	24,219	0	24,219	0.401%	0.000%	0.719%
CA	4	3	1	0.248%	0.234%	0.304%	58,165	46,165	12,000	0.172%	0.383%	0.055%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	1	1	0	0.115%	0.123%	0.000%	800	800	0	0.075%	0.099%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	4	1	3	1.646%	1.075%	2.000%	266,262	1,898	264,364	5.773%	0.506%	6.240%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	1	0	0.116%	0.126%	0.000%	249,760	249,760	0	5.091%	27.508%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	2	1	1	0.155%	0.079%	3.448%	4,995	35	4,960	0.127%	0.001%	0.397%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	280	280	0	0.037%	0.077%	0.000%
NC	2	2	0	0.085%	0.090%	0.000%	924	924	0	0.013%	0.053%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	1	1	0	0.135%	0.137%	0.000%	25,676	25,676	0	1.765%	3.786%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	3	3	0	0.432%	0.455%	0.000%	89,527	89,527	0	5.403%	6.413%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	2	2	0	0.149%	0.179%	0.000%	1,985	1,985	0	0.040%	0.202%	0.000%
OH	1	1	0	0.364%	0.510%	0.000%	1,900	1,900	0	0.029%	0.383%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	0	1	0.050%	0.000%	0.297%	429	0	429	0.002%	0.000%	0.003%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.585%	0.508%	0.690%	11,894	7,520	4,374	0.870%	3.645%	0.377%
WY	2	2	0	0.658%	0.781%	0.000%	565	565	0	0.127%	0.437%	0.000%
Total	29	21	8	0.084%	0.067%	0.250%	745,238	434,892	310,346	0.391%	0.633%	0.255%

Table A51. Picloram – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 500 µg/L	29,914	0	0.000%	66,798,378	0	0.000%
	≥ 250 µg/L	29,914	0	0.000%	66,798,378	0	0.000%
Surface Water	> 500 µg/L	2,996	0	0.000%	119,588,052	0	0.000%
	≥ 250 µg/L	2,996	0	0.000%	119,588,052	0	0.000%
Combined Ground & Surface Water	> 500 µg/L	32,910	0	0.000%	186,386,430	0	0.000%
	≥ 250 µg/L	32,910	0	0.000%	186,386,430	0	0.000%

Table A51a. Picloram – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	73	39	34	0.000%	0.000%	0.000%												
AL	550	404	146	0.364%	0.248%	0.685%	80.4	111.9	80.4	96.15	111.9	80.4	111.9	111.9	80.4	111.9	111.9	80.4
AR	1,588	1,357	231	0.000%	0.000%	0.000%												
AZ	6,831	5,406	1,425	0.117%	0.111%	0.140%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
CA	14,022	8,210	5,812	0.071%	0.061%	0.086%	0.01	0.1	0.01	0.65	2.1	0.2	12.5	13	3	13	13	3
CO	2,528	1,852	676	0.514%	0.648%	0.148%	0.5	0.5	0.73	0.73	0.73	0.73	1.4	1.4	0.73	1.6	1.6	0.73
CT	1,325	1,010	315	0.000%	0.000%	0.000%												
DE	826	788	38	0.121%	0.127%	0.000%	0.19	0.19		0.19	0.19		0.19	0.19		0.19	0.19	
FL	2,388	2,321	67	0.461%	0.474%	0.000%	0.01	0.01		0.01	0.01		0.09	0.09		0.1	0.1	
GA	1,431	1,353	78	0.000%	0.000%	0.000%												
HI																		
IA	1,737	1,607	130	0.345%	0.373%	0.000%	1.6	1.6		5.8	5.8		11	11		11	11	
ID	2,057	1,777	280	0.000%	0.000%	0.000%												
IL	3,241	2,688	553	0.000%	0.000%	0.000%												
IN	2,258	2,093	165	0.221%	0.191%	0.606%	0.1	0.1	0.4	0.2	0.2	0.4	3.4	3.4	0.4	3.4	3.4	0.4
KY	1,746	443	1,303	0.515%	0.226%	0.614%	0.05	190	0.05	0.5	190	0.3	190	190	100	190	190	100
MA	2,967	2,176	791	0.135%	0.184%	0.000%	0.1	0.1		0.685	0.685		1.2	1.2		1.2	1.2	
MD	2,488	1,699	789	1.166%	0.942%	1.648%	0.05	0.1	0.05	0.2	0.19	0.2	3.01	2.48	3.46	3.76	2.67	3.76
ME	378	317	61	0.000%	0.000%	0.000%												
MI	6,395	6,103	292	0.047%	0.049%	0.000%	2	2		2	2		2	2		2	2	
MN	4,627	4,495	132	0.000%	0.000%	0.000%												
MO	5,803	4,984	819	0.000%	0.000%	0.000%												
MT	3,187	2,905	282	0.157%	0.172%	0.000%	0.14	0.14		1.4	1.4		2	2		2	2	
NC	13,934	12,704	1,230	0.201%	0.197%	0.244%	0.1	0.1	0.2	0.205	0.19	0.26	0.65	0.65	0.28	1.9	1.9	0.28
ND	411	348	63	4.136%	4.598%	1.587%	0.1	0.1	0.11	0.3	0.31	0.11	2.3	2.3	0.11	2.47	2.47	0.11
NE	2,220	2,143	77	0.180%	0.187%	0.000%	1.6	1.6		3.2	3.2		3.4	3.4		3.4	3.4	
NH	4,193	3,874	319	0.024%	0.026%	0.000%	2	2		2	2		2	2		2	2	
NJ	162	144	18	0.000%	0.000%	0.000%												
NM	4,347	4,100	247	0.023%	0.024%	0.000%	1.4	1.4		1.4	1.4		1.4	1.4		1.4	1.4	
NV	1,569	1,161	408	0.064%	0.086%	0.000%	0.11	0.11		0.11	0.11		0.11	0.11		0.11	0.11	
NY	2,877	2,165	712	0.070%	0.092%	0.000%	1	1		1.05	1.05		1.1	1.1		1.1	1.1	
OH	587	392	195	0.170%	0.000%	0.513%	0.2		0.2	0.2		0.2	0.2		0.2		0.2	
OK																		
OR	2,067	1,583	484	0.145%	0.190%	0.000%	0.2	0.2		0.5	0.5		0.5	0.5		0.5	0.5	
RI	740	498	242	0.270%	0.201%	0.413%	0.1	0.1	0.11	0.105	0.1	0.11	0.11	0.1	0.11	0.11	0.1	0.11
SC	3,303	2,893	410	0.303%	0.346%	0.000%	0.05	0.05		0.195	0.195		0.92	0.92		1.3	1.3	
SD	965	856	109	0.311%	0.350%	0.000%	1.96	1.96		2.04	2.04		3.42	3.42		3.42	3.42	
TN	58	12	46	0.000%	0.000%	0.000%												
TX	2,174	1,343	831	0.000%	0.000%	0.000%												
UT	7,079	5,897	1,182	0.000%	0.000%	0.000%												
VA	441	148	293	0.000%	0.000%	0.000%												
VT	1,298	1,104	194	0.154%	0.181%	0.000%	0.04	0.04		0.395	0.395		0.75	0.75		0.75	0.75	
WI	3,161	3,069	92	0.158%	0.163%	0.000%	0.1	0.1		0.1	0.1		1.1	1.1		1.1	1.1	
WV	646	338	308	1.858%	2.663%	0.974%	0.02	0.02	0.02	0.025	0.03	0.02	0.1	0.1	0.5	0.5	0.1	0.5
WY	1,242	935	307	0.081%	0.107%	0.000%	1.5	1.5		1.5	1.5		1.5	1.5		1.5	1.5	
Total	121,920	99,734	22,186	0.163%	0.159%	0.180%	0.01	0.01	0.01	0.24	0.25	0.2	3	2.48	3.235	190	190	100



Table A51b. Picloram – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	19	14	5	316,371	84,921	231,450	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	176	128	48	2,771,799	604,527	2,167,272	1.136%	0.781%	2.083%	0.252%	0.289%	0.242%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	918	870	48	6,045,047	2,674,456	3,370,591	0.436%	0.345%	2.083%	7.129%	4.897%	8.901%
CA	1,582	1,261	321	33,364,134	12,015,440	21,348,694	0.379%	0.238%	0.935%	0.434%	0.191%	0.570%
CO	813	594	219	4,993,297	526,388	4,466,909	0.861%	1.010%	0.457%	0.159%	0.939%	0.067%
CT	656	619	37	2,589,596	262,329	2,327,267	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	254	251	3	624,615	343,215	281,400	0.394%	0.398%	0.000%	0.005%	0.009%	0.000%
FL	1,318	1,296	22	16,796,064	14,554,059	2,242,005	0.379%	0.386%	0.000%	15.504%	17.893%	0.000%
GA	297	283	14	997,274	305,252	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	1,055	1,022	33	2,542,641	1,434,015	1,108,626	0.095%	0.098%	0.000%	0.017%	0.031%	0.000%
ID	870	813	57	1,064,826	808,630	256,196	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,157	1,056	101	9,106,231	2,910,309	6,195,922	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,403	1,359	44	4,870,706	2,550,970	2,319,736	0.356%	0.294%	2.273%	5.417%	0.013%	11.360%
KY	242	92	150	4,606,159	369,299	4,236,860	2.893%	1.087%	4.000%	7.899%	0.291%	8.562%
MA	645	528	117	8,509,903	1,707,521	6,802,382	0.620%	0.758%	0.000%	0.516%	2.572%	0.000%
MD	863	795	68	4,906,061	907,954	3,998,107	2.897%	1.761%	16.176%	74.535%	2.953%	90.791%
ME	216	190	26	491,237	116,848	374,389	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,908	2,847	61	7,222,532	2,042,676	5,179,856	0.069%	0.070%	0.000%	0.015%	0.054%	0.000%
MN	1,288	1,259	29	3,933,642	2,684,001	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,475	1,398	77	3,281,888	1,700,557	1,581,331	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	846	786	60	757,811	365,142	392,669	0.355%	0.382%	0.000%	0.286%	0.594%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.803%	0.718%	2.190%	12.034%	4.419%	14.597%
ND	209	182	27	559,198	253,973	305,225	2.871%	2.747%	3.704%	1.964%	2.829%	1.245%
NE	739	728	11	1,454,673	678,193	776,480	0.541%	0.549%	0.000%	0.495%	1.061%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.081%	0.084%	0.000%	0.008%	0.020%	0.000%
NJ	127	116	11	1,969,193	341,973	1,627,220	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	692	657	35	1,656,892	1,395,794	261,098	0.145%	0.152%	0.000%	0.490%	0.581%	0.000%
NV	287	266	21	960,268	270,377	689,891	0.348%	0.376%	0.000%	0.052%	0.185%	0.000%
NY	1,346	1,116	230	4,923,979	982,289	3,941,690	0.074%	0.090%	0.000%	0.034%	0.172%	0.000%
OH	273	194	79	6,517,900	486,705	6,031,195	0.366%	0.000%	1.266%	0.874%	0.000%	0.944%
OK												
OR	1,089	939	150	2,939,339	574,589	2,364,750	0.184%	0.213%	0.000%	0.171%	0.875%	0.000%
RI	89	80	9	900,695	160,717	739,978	2.247%	1.250%	11.111%	3.131%	0.964%	3.601%
SC	785	725	60	3,448,394	820,701	2,627,693	0.764%	0.828%	0.000%	0.111%	0.468%	0.000%
SD	260	239	21	622,152	262,981	359,171	1.154%	1.255%	0.000%	2.386%	5.645%	0.000%
TN	10	5	5	645,820	144,963	500,857	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	856	702	154	18,700,247	4,013,688	14,686,559	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,671	1,667,485	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	173	63	110	2,380,983	26,904	2,354,079	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	440	407	33	432,449	181,285	251,164	0.455%	0.491%	0.000%	0.117%	0.280%	0.000%
WI	1,406	1,386	20	3,883,613	2,191,869	1,691,744	0.284%	0.289%	0.000%	0.680%	1.204%	0.000%
WV	342	197	145	1,367,674	206,326	1,161,348	2.924%	4.569%	0.690%	0.465%	0.961%	0.377%
WY	304	256	48	446,177	129,229	316,948	0.329%	0.391%	0.000%	0.157%	0.542%	0.000%
Total	32,910	29,914	2,996	186,386,430	66,798,378	119,588,052	0.413%	0.351%	1.035%	4.575%	4.486%	4.624%

Table A51c. Picloram – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 500 µg/L			Percent of Systems with At Least One Detection > 500 µg/L			Population Served by Systems with At Least One Detection > 500 µg/L			Percent of Population Served with At Least One Detection > 500 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A51d. Picloram – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 250 µg/L			Percent of Systems with At Least One Detection ≥ 250 µg/L			Population Served by Systems with At Least One Detection ≥ 250 µg/L			Percent of Population Served with At Least One Detection ≥ 250 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.5 µg/L	16,249	2	0.012%	45,009,798	125,046	0.278%
	≥ 0.25 µg/L	16,249	4	0.025%	45,009,798	128,040	0.284%
Surface Water	> 0.5 µg/L	2,144	0	0.000%	79,104,410	0	0.000%
	≥ 0.25 µg/L	2,144	3	0.140%	79,104,410	593,206	0.750%
Combined Ground & Surface Water	> 0.5 µg/L	18,393	2	0.011%	124,114,208	125,046	0.101%
	≥ 0.25 µg/L	18,393	7	0.038%	124,114,208	721,246	0.581%

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	70	50	20	0.000%	0.000%	0.000%												
AL	537	386	151	0.745%	0.259%	1.987%	0.12	0.33	0.12	0.17	0.33	0.16	0.33	0.33	0.18	0.33	0.33	0.18
AR	1,641	1,395	246	0.000%	0.000%	0.000%												
AZ	1,326	1,100	226	0.603%	0.727%	0.000%	0.1	0.1		0.17	0.17		0.24	0.24		0.24	0.24	
CA	10,122	5,952	4,170	0.010%	0.017%	0.000%	0.52	0.52		0.52	0.52		0.52	0.52		0.52	0.52	
CO	2,524	1,819	705	0.000%	0.000%	0.000%												
CT	1,275	956	319	0.000%	0.000%	0.000%												
DE	31	31	0	0.000%	0.000%	0.000%												
FL	2,377	2,312	65	0.421%	0.433%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
GA	1,423	1,344	79	0.000%	0.000%	0.000%												
HI																		
IA	9	8	1	0.000%	0.000%	0.000%												
ID	1,307	1,081	226	0.000%	0.000%	0.000%												
IL	4,447	3,726	721	0.000%	0.000%	0.000%												
IN	960	818	142	0.000%	0.000%	0.000%												
KY	1,686	426	1,260	0.237%	0.000%	0.317%	0.05		0.05	0.5		0.5	0.5		0.5	0.5		0.5
MA																		
MD	206	43	163	0.971%	2.326%	0.613%	0.12	0.21	0.12	0.165	0.21	0.12	0.21	0.21	0.12	0.21	0.21	0.12
ME	163	142	21	0.000%	0.000%	0.000%												
MI																		
MN																		
MO																		
MT	1,767	1,603	164	0.000%	0.000%	0.000%												
NC	13,170	12,078	1,092	0.008%	0.008%	0.000%	0.31	0.31		0.31	0.31		0.31	0.31		0.31	0.31	
ND	49	27	22	0.000%	0.000%	0.000%												
NE																		
NH																		
NJ																		
NM	859	805	54	0.000%	0.000%	0.000%												
NV	945	750	195	0.106%	0.000%	0.513%	0.5		0.5	0.5		0.5	0.5		0.5	0.5		0.5
NY	2,854	2,107	747	0.000%	0.000%	0.000%												
OH	432	327	105	1.620%	2.141%	0.000%	0.1	0.1		0.6	0.6		1.44	1.44		1.44	1.44	
OK																		
OR	2,047	1,566	481	0.000%	0.000%	0.000%												
RI																		
SC																		
SD	953	844	109	0.000%	0.000%	0.000%												
TN	61	11	50	0.000%	0.000%	0.000%												
TX	770	753	17	0.000%	0.000%	0.000%												
UT	7,092	5,914	1,178	0.000%	0.000%	0.000%												
VA	479	173	306	0.000%	0.000%	0.000%												
VT	1,015	875	140	0.099%	0.114%	0.000%	0.2	0.2		0.2	0.2		0.2	0.2		0.2	0.2	
WI	2,830	2,737	93	0.000%	0.000%	0.000%												
WV	527	262	265	2.087%	3.053%	1.132%	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	0.1	0.5
WY	1,262	944	318	0.000%	0.000%	0.000%												
Total	67,216	53,365	13,851	0.074%	0.071%	0.087%	0.05	0.1	0.05	0.1	0.1	0.17	0.54	0.6	0.5	1.44	1.44	0.5

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	14	9	5	23,947	14,048	9,899	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	174	128	46	2,733,250	611,586	2,121,664	1.724%	0.781%	4.348%	9.200%	0.480%	11.714%
AR	437	366	71	2,445,874	904,110	1,541,764	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	366	337	29	4,849,157	1,888,824	2,960,333	0.546%	0.593%	0.000%	0.961%	2.466%	0.000%
CA	1,332	1,079	253	29,239,114	9,516,308	19,722,806	0.075%	0.093%	0.000%	0.428%	1.314%	0.000%
CO	810	591	219	4,991,979	525,070	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	643	605	38	2,589,577	255,690	2,333,887	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	24	24	0	94,720	94,720	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,310	1,289	21	16,785,272	14,546,096	2,239,176	0.382%	0.388%	0.000%	15.514%	17.903%	0.000%
GA	291	277	14	967,784	275,762	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	2	1	1	162,118	27,501	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	544	515	29	875,826	656,625	219,201	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,358	1,254	104	9,182,612	2,982,215	6,200,397	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	581	537	44	3,757,238	1,437,502	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	242	93	149	4,602,489	375,460	4,227,029	0.826%	0.000%	1.342%	6.721%	0.000%	7.318%
MA												
MD	55	28	27	3,859,880	86,871	3,773,009	3.636%	3.571%	3.704%	0.029%	0.035%	0.029%
ME	130	118	12	284,816	85,281	199,535	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI												
MN												
MO												
MT	705	650	55	726,404	336,830	389,574	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.042%	0.045%	0.000%	0.001%	0.003%	0.000%
ND	13	7	6	25,452	18,423	7,029	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE												
NH												
NJ												
NM	271	258	13	1,365,772	1,209,925	155,847	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	249	229	20	946,071	256,272	689,799	0.402%	0.000%	5.000%	35.343%	0.000%	48.474%
NY	1,246	1,030	216	4,789,355	933,413	3,855,942	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	245	176	69	6,367,123	462,749	5,904,374	0.816%	1.136%	0.000%	0.007%	0.097%	0.000%
OK												
OR	1,083	933	150	2,936,604	571,854	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI												
SC												
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	11	5	6	648,070	127,613	520,457	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	617	609	8	508,429	469,714	38,715	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	427	390	37	2,500,736	1,667,550	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	178	70	108	2,303,114	29,317	2,273,797	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	410	379	31	426,022	181,998	244,024	0.244%	0.264%	0.000%	0.072%	0.169%	0.000%
WI	1,384	1,364	20	3,841,377	2,149,633	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	311	174	137	1,330,400	184,957	1,145,443	2.894%	4.598%	0.730%	0.453%	0.896%	0.382%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	18,393	16,249	2,144	124,114,208	45,009,798	79,104,410	0.158%	0.135%	0.326%	2.964%	6.179%	1.135%

Table A52c. Polychlorinated biphenyls (PCBs) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)												
State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.075%	0.093%	0.000%	125,000	125,000	0	0.428%	1.314%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA												
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI												
MN												
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE												
NH												
NJ												
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	1	1	0	0.408%	0.568%	0.000%	46	46	0	0.001%	0.010%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI												
SC												
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	2	0	0.011%	0.012%	0.000%	125,046	125,046	0	0.101%	0.278%	0.000%

Table A52d. Polychlorinated biphenyls (PCBs) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)												
State	Number of Systems with At Least One Detection $\geq 0.25 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.25 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.25 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.25 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	1	0	0.575%	0.781%	0.000%	2,937	2,937	0	0.107%	0.480%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.075%	0.093%	0.000%	125,000	125,000	0	0.428%	1.314%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	254,462	0	254,462	5.529%	0.000%	6.020%
MA												
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI												
MN												
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	57	57	0	0.001%	0.003%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE												
NH												
NJ												
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	0	1	0.402%	0.000%	5.000%	334,370	0	334,370	35.343%	0.000%	48.474%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	1	1	0	0.408%	0.568%	0.000%	46	46	0	0.001%	0.010%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI												
SC												
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	1	0	1	0.322%	0.000%	0.730%	4,374	0	4,374	0.329%	0.000%	0.382%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	7	4	3	0.038%	0.025%	0.140%	721,246	128,040	593,206	0.581%	0.284%	0.750%



Table A53 (Original Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 pCi/L	6,190	488	7.884%	15,006,355	2,143,386	14.283%
	≥ 2.5 pCi/L	6,190	1,185	19.144%	15,006,355	4,652,946	31.007%
Surface Water	> 5 pCi/L	694	14	2.017%	32,416,085	2,418,615	7.461%
	≥ 2.5 pCi/L	694	37	5.331%	32,416,085	4,510,400	13.914%
Combined Ground & Surface Water	> 5 pCi/L	6,884	502	7.292%	47,422,440	4,562,001	9.620%
	≥ 2.5 pCi/L	6,884	1,222	17.751%	47,422,440	9,163,346	19.323%

Table A53a (Original Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (pCi/L)			Median Detect Concentration (pCi/L)			90th Percentile Detect Concentration (pCi/L)			Maximum Detect Concentration (pCi/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	5	5	0	60.000%	60.000%		0.08	0.08		0.09	0.09		0.13	0.13		0.13	0.13	
AL	29	25	4	82.759%	92.000%	25.000%	0.1	0.6	0.1	2.33	2.37	0.1	5.6	5.6	0.1	17.9	17.9	0.1
AR																		
AZ	1,721	1,092	629	27.077%	31.410%	19.555%	0.2	0.2	0.2	0.5	0.5	0.5	3.5	4.5	1.8	12.8	12.8	5.45
CA	1,838	1,149	689	55.658%	59.443%	49.347%	0.03	0.03	0.07	0.85	0.89	0.785	1.77	1.97	1.4	142	21.71	142
CO	366	342	24	85.519%	86.550%	70.833%	0.03	0.03	0.2	6.1	6.6	1	19.2	19.9	1.7	47	47	3.2
CT	247	216	31	75.709%	78.704%	54.839%	0.01	0.01	0.2	1.6	1.765	1.1	14.3	14.425	2.4	39.92	39.92	2.76
DE																		
FL																		
GA	4	0	4	100.000%		100.000%	5.7		5.7	5.7		5.7	5.7		5.7	5.7		5.7
HI																		
IA	1,539	1,492	47	68.421%	69.839%	23.404%	0.2	0.2	0.6	2.3	2.3	1	6.7	6.7	2.2	19.2	19.2	3.4
ID	897	804	93	32.776%	33.582%	25.806%	0.1	0.1	0.1	0.4	0.4	0.45	3.2	3.2	3.76	19	19	4.7
IL	3,187	3,147	40	98.463%	98.538%	92.500%	0.1	0.1	0.2	4.8	4.9	1	12.9	13	1.9	28.2	28.2	2.6
IN	3	3	0	100.000%	100.000%		4.1	4.1		5.6	5.6		6.2	6.2		6.2	6.2	
KY	3	1	2	100.000%	100.000%	100.000%	0.2	0.2	0.3	0.3	0.2	1.25	2.2	0.2	2.2	2.2	0.2	2.2
MA																		
MD	674	606	68	32.938%	34.158%	22.059%	0.2	0.2	0.26	2.2	2.3	1.253	5.5	5.7	2.42	14.3	14.3	5.083
ME	98	91	7	94.898%	94.505%	100.000%	0.05	0.05	0.2	0.56	0.525	2.42	3.48	3.44	7.93	8.06	8.06	7.93
MI																		
MN																		
MO	24	24	0	95.833%	95.833%		0.3	0.3		4.2	4.2		9.2	9.2		16.1	16.1	
MT	912	819	93	30.044%	31.258%	19.355%	0.2	0.2	0.2	0.8	0.75	1.8	4.5	4.4	6	11	11	6.1
NC	383	343	40	65.274%	72.303%	5.000%	0.06	0.06	0.17	3.3	3.3	0.735	10.8	10.9	1.3	45.9	45.9	1.3
ND	181	164	17	32.044%	33.537%	17.647%	0.3	0.3	1.09	1.55	1.56	1.17	2.79	2.79	1.4	6.26	6.26	1.4
NE	521	511	10	76.200%	76.321%	70.000%	0.1	0.1	0.5	1	1	0.9	3	3	3.1	7.6	7.6	3.1
NH																		
NJ	58	45	13	79.310%	100.000%	7.692%	0.08	0.08	2.98	3.395	3.59	2.98	5.35	5.35	2.98	8.26	8.26	2.98
NM	62	62	0	51.613%	51.613%		2.28	2.28		4.675	4.675		8.76	8.76		10.57	10.57	
NV	99	76	23	47.475%	50.000%	39.130%	0.2	0.2	0.2	0.688	0.939	0.22	3.416	3.416	4.06	6.93	6.93	4.06
NY	263	198	65	84.411%	88.384%	72.308%	0.0495	0.079	0.0495	1.78	2.4	0.8	7.6	8.1	3.7	28.7	28.7	9.41
OH	31	26	5	38.710%	42.308%	20.000%	1.01	1.01	1.38	1.845	2	1.38	6.35	6.35	1.38	8.23	8.23	1.38
OK																		
OR	954	753	201	20.440%	17.397%	31.841%	0.0293	0.2	0.0293	1.4	1.43	1.335	2.45	2.87	2.2	4.9	4.9	3
RI	184	167	17	83.152%	85.030%	64.706%	0.06	0.06	0.23	1.13	1.13	0.51	3.35	3.38	1.39	13.42	13.42	1.76
SC	1,059	992	67	39.377%	40.423%	23.881%	1	1	1	2.7	2.7	1.3	9	9	4.3	25	25	5.1
SD	5	4	1	40.000%	50.000%	0.000%	1.3	1.3		1.55	1.55		1.8	1.8		1.8	1.8	
TN																		
TX	1,192	1,144	48	86.242%	86.976%	68.750%	0.2	0.2	0.2	0.9	0.99	0.3	3.8	3.8	1.1	22.6	22.6	8.3
UT	115	35	80	50.435%	71.429%	41.250%	1	1	1	2	3	2	7	9	2	10	10	2
VA	10	9	1	100.000%	100.000%	100.000%	0.1	0.873	0.1	5.195	5.64	0.1	8.625	9.62	0.1	9.62	9.62	0.1
VT	429	391	38	80.420%	81.074%	73.684%	0.04	0.04	0.06	0.45	0.54	0.2	3.7	4.15	0.98	19.43	19.43	1.7
WI	1,026	982	44	99.708%	99.695%	100.000%	0.02	0.03	0.02	3.6	3.54	5.3	7.9	7.8	9	26.7	26.7	10.4
WV	250	134	116	92.800%	95.522%	89.655%	0.1	0.1	0.1	0.5	0.6	0.3	2.5	4.5	0.9	7.9	7.9	2.6
WY	83	68	15	68.675%	72.059%	53.333%	0.1	0.1	0.2	2.8	3.4	0.65	6.7	6.7	9.8	9.8	8.2	9.8
Total	18,452	15,920	2,532	63.446%	67.079%	40.600%	0.01	0.01	0.02	1.9	2.1	0.785	9	9.3	2.4	142	47	142

Table A53b (Original Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	5	5	0	14,544	14,544	0	60.000%	60.000%		36.806%	36.806%	
AL	11	10	1	775,613	114,179	661,434	90.909%	90.000%	100.000%	99.936%	99.564%	100.000%
AR												
AZ	269	258	11	4,744,269	1,581,000	3,163,269	45.725%	44.186%	81.818%	91.570%	77.059%	98.823%
CA	212	156	56	10,706,892	1,812,964	8,893,928	60.849%	59.615%	64.286%	69.521%	71.088%	69.202%
CO	124	107	17	439,620	128,156	311,464	75.000%	74.766%	76.471%	61.658%	85.794%	51.727%
CT	107	96	11	1,067,986	65,967	1,002,019	77.570%	79.167%	63.636%	93.516%	93.995%	93.485%
DE												
FL												
GA	1	0	1	715,820	0	715,820	100.000%		100.000%	100.000%		100.000%
HI												
IA	872	839	33	2,478,368	1,369,742	1,108,626	63.647%	65.316%	21.212%	54.105%	60.605%	46.075%
ID	421	399	22	851,551	636,614	214,937	42.755%	43.108%	36.364%	84.409%	82.341%	90.535%
IL	349	329	20	1,942,114	1,325,106	617,008	98.281%	98.480%	95.000%	99.201%	99.506%	98.545%
IN	2	2	0	928	928	0	100.000%	100.000%		100.000%	100.000%	
KY	2	1	1	151,039	84,935	66,104	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
MA												
MD	314	283	31	2,768,089	757,553	2,010,536	19.427%	18.728%	25.806%	22.196%	63.832%	6.507%
ME	59	56	3	45,990	43,281	2,709	96.610%	96.429%	100.000%	99.446%	99.411%	100.000%
MI												
MN												
MO	22	22	0	31,449	31,449	0	95.455%	95.455%		96.642%	96.642%	
MT	551	496	55	690,718	299,264	391,454	37.387%	39.113%	21.818%	25.363%	52.347%	4.733%
NC	159	130	29	1,589,233	220,164	1,369,069	55.975%	66.923%	6.897%	31.520%	65.815%	26.004%
ND	173	156	17	545,827	248,887	296,940	33.526%	35.256%	17.647%	24.155%	25.468%	23.055%
NE	223	216	7	813,616	274,704	538,912	79.372%	79.630%	71.429%	95.944%	89.687%	99.133%
NH												
NJ	27	25	2	675,668	320,792	354,876	96.296%	100.000%	50.000%	53.842%	100.000%	12.117%
NM	20	20	0	13,812	13,812	0	40.000%	40.000%		53.562%	53.562%	
NV	34	29	5	645,637	56,442	589,195	58.824%	55.172%	80.000%	96.121%	70.329%	98.591%
NY	116	84	32	2,207,311	169,118	2,038,193	82.759%	88.095%	68.750%	85.654%	76.391%	86.423%
OH	19	17	2	358,320	142,727	215,593	47.368%	47.059%	50.000%	0.742%	1.810%	0.035%
OK												
OR	613	486	127	2,577,462	419,886	2,157,576	24.633%	22.222%	33.858%	64.676%	30.766%	71.275%
RI	53	48	5	758,560	141,563	616,997	90.566%	93.750%	60.000%	42.507%	99.691%	29.387%
SC	379	353	26	1,732,025	499,578	1,232,447	45.646%	47.025%	26.923%	30.981%	69.863%	15.220%
SD	4	3	1	2,200	500	1,700	25.000%	33.333%	0.000%	4.545%	20.000%	0.000%
TN												
TX	875	841	34	3,938,407	2,409,649	1,528,758	89.371%	89.774%	79.412%	93.060%	95.109%	89.830%
UT	15	14	1	452,327	300,067	152,260	93.333%	92.857%	100.000%	97.170%	95.734%	100.000%
VA	4	3	1	1,208	198	1,010	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
VT	312	282	30	260,741	148,444	112,297	80.128%	80.851%	73.333%	85.101%	89.690%	79.035%
WI	294	291	3	2,285,860	1,216,339	1,069,521	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
WV	208	105	103	1,012,959	110,743	902,216	93.269%	95.238%	91.262%	97.734%	98.287%	97.666%
WY	35	28	7	126,277	47,060	79,217	51.429%	53.571%	42.857%	48.572%	90.278%	23.795%
Total	6,884	6,190	694	47,422,440	15,006,355	32,416,085	62.188%	63.231%	52.882%	71.796%	79.462%	68.248%

Table A53c (Original Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 pCi/L			Percent of Systems with At Least One Detection > 5 pCi/L			Population Served by Systems with At Least One Detection > 5 pCi/L			Percent of Population Served with At Least One Detection > 5 pCi/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%		0	0	0	0.000%	0.000%	
AL	3	3	0	27.273%	30.000%	0.000%	39,261	39,261	0	5.062%	34.385%	0.000%
AR												
AZ	7	6	1	2.602%	2.326%	9.091%	1,584,453	50,871	1,533,582	33.397%	3.218%	48.481%
CA	6	5	1	2.830%	3.205%	1.786%	52,176	51,676	500	0.487%	2.850%	0.006%
CO	30	30	0	24.194%	28.037%	0.000%	9,181	9,181	0	2.088%	7.164%	0.000%
CT	11	11	0	10.280%	11.458%	0.000%	2,742	2,742	0	0.257%	4.157%	0.000%
DE												
FL												
GA	1	0	1	100.000%		100.000%	715,820	0	715,820	100.000%		100.000%
HI												
IA	37	37	0	4.243%	4.410%	0.000%	120,542	120,542	0	4.864%	8.800%	0.000%
ID	7	7	0	1.663%	1.754%	0.000%	1,524	1,524	0	0.179%	0.239%	0.000%
IL	133	133	0	38.109%	40.426%	0.000%	838,292	838,292	0	43.164%	63.262%	0.000%
IN	2	2	0	100.000%	100.000%		928	928	0	100.000%	100.000%	
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA												
MD	8	7	1	2.548%	2.473%	3.226%	262,912	257,812	5,100	9.498%	34.032%	0.254%
ME	3	2	1	5.085%	3.571%	33.333%	751	148	603	1.633%	0.342%	22.259%
MI												
MN												
MO	7	7	0	31.818%	31.818%		16,590	16,590	0	52.752%	52.752%	
MT	13	9	4	2.359%	1.815%	7.273%	13,822	6,960	6,862	2.001%	2.326%	1.753%
NC	32	32	0	20.126%	24.615%	0.000%	14,142	14,142	0	0.890%	6.423%	0.000%
ND	1	1	0	0.578%	0.641%	0.000%	91	91	0	0.017%	0.037%	0.000%
NE	3	3	0	1.345%	1.389%	0.000%	1,599	1,599	0	0.197%	0.582%	0.000%
NH												
NJ	4	4	0	14.815%	16.000%	0.000%	23,120	23,120	0	3.422%	7.207%	0.000%
NM	4	4	0	20.000%	20.000%		3,267	3,267	0	23.653%	23.653%	
NV	1	1	0	2.941%	3.448%	0.000%	1,240	1,240	0	0.192%	2.197%	0.000%
NY	19	18	1	16.379%	21.429%	3.125%	4,149	4,019	130	0.188%	2.376%	0.006%
OH	1	1	0	5.263%	5.882%	0.000%	100	100	0	0.028%	0.070%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	4	4	0	7.547%	8.333%	0.000%	929	929	0	0.122%	0.656%	0.000%
SC	32	31	1	8.443%	8.782%	3.846%	59,388	18,838	40,550	3.429%	3.771%	3.290%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN												
TX	41	40	1	4.686%	4.756%	2.941%	97,283	91,683	5,600	2.470%	3.805%	0.366%
UT	3	3	0	20.000%	21.429%	0.000%	116,495	116,495	0	25.755%	38.823%	0.000%
VA	2	2	0	50.000%	66.667%	0.000%	154	154	0	12.748%	77.778%	0.000%
VT	7	7	0	2.244%	2.482%	0.000%	1,504	1,504	0	0.577%	1.013%	0.000%
WI	74	73	1	25.170%	25.086%	33.333%	571,748	468,730	103,018	25.012%	38.536%	9.632%
WV	3	3	0	1.442%	2.857%	0.000%	422	422	0	0.042%	0.381%	0.000%
WY	3	2	1	8.571%	7.143%	14.286%	7,376	526	6,850	5.841%	1.118%	8.647%
Total	502	488	14	7.292%	7.884%	2.017%	4,562,001	2,143,386	2,418,615	9.620%	14.283%	7.461%

Table A53d (Original Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 2.5 pCi/L			Percent of Systems with At Least One Detection ≥ 2.5 pCi/L			Population Served by Systems with At Least One Detection ≥ 2.5 pCi/L			Percent of Population Served with At Least One Detection ≥ 2.5 pCi/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	4	4	0	36.364%	40.000%	0.000%	75,210	75,210	0	9.697%	65.870%	0.000%
AR												
AZ	20	17	3	7.435%	6.589%	27.273%	2,241,484	82,677	2,158,807	47.246%	5.229%	68.246%
CA	15	13	2	7.075%	8.333%	3.571%	430,071	193,571	236,500	4.017%	10.677%	2.659%
CO	37	36	1	29.839%	33.645%	5.882%	36,974	24,774	12,200	8.410%	19.331%	3.917%
CT	16	15	1	14.953%	15.625%	9.091%	15,957	3,726	12,231	1.494%	5.648%	1.221%
DE												
FL												
GA	1	0	1	100.000%	0.000%	100.000%	715,820	0	715,820	100.000%	0.000%	100.000%
HI												
IA	189	188	1	21.674%	22.408%	3.030%	483,481	398,453	85,028	19.508%	29.090%	7.670%
ID	45	43	2	10.689%	10.777%	9.091%	293,644	107,504	186,140	34.483%	16.887%	86.602%
IL	199	198	1	57.020%	60.182%	5.000%	1,046,785	1,044,949	1,836	53.899%	78.858%	0.298%
IN	2	2	0	100.000%	100.000%	0.000%	928	928	0	100.000%	100.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA												
MD	18	17	1	5.732%	6.007%	3.226%	346,267	341,167	5,100	12.509%	45.035%	0.254%
ME	6	4	2	10.169%	7.143%	66.667%	2,037	371	1,666	4.429%	0.857%	61.499%
MI												
MN												
MO	17	17	0	77.273%	77.273%	0.000%	21,258	21,258	0	67.595%	67.595%	0.000%
MT	64	56	8	11.615%	11.290%	14.545%	112,051	98,173	13,878	16.222%	32.805%	3.545%
NC	47	47	0	29.560%	36.154%	0.000%	108,462	108,462	0	6.825%	49.264%	0.000%
ND	9	9	0	5.202%	5.769%	0.000%	8,353	8,353	0	1.530%	3.356%	0.000%
NE	50	49	1	22.422%	22.685%	14.286%	629,360	117,196	512,164	77.353%	42.663%	95.037%
NH												
NJ	14	13	1	51.852%	52.000%	50.000%	307,499	264,499	43,000	45.510%	82.452%	12.117%
NM	8	8	0	40.000%	40.000%	0.000%	7,398	7,398	0	53.562%	53.562%	0.000%
NV	3	2	1	8.824%	6.897%	20.000%	336,210	1,840	334,370	52.074%	3.260%	56.750%
NY	30	28	2	25.862%	33.333%	6.250%	8,553	7,953	600	0.387%	4.703%	0.029%
OH	3	3	0	15.789%	17.647%	0.000%	667	667	0	0.186%	0.467%	0.000%
OK												
OR	15	12	3	2.447%	2.469%	2.362%	58,535	30,518	28,017	2.271%	7.268%	1.299%
RI	13	13	0	24.528%	27.083%	0.000%	23,286	23,286	0	3.070%	16.449%	0.000%
SC	70	69	1	18.470%	19.547%	3.846%	157,706	117,156	40,550	9.105%	23.451%	3.290%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN												
TX	118	117	1	13.486%	13.912%	2.941%	297,167	291,567	5,600	7.545%	12.100%	0.366%
UT	8	8	0	53.333%	57.143%	0.000%	255,415	255,415	0	56.467%	85.119%	0.000%
VA	2	2	0	50.000%	66.667%	0.000%	154	154	0	12.748%	77.778%	0.000%
VT	22	22	0	7.051%	7.801%	0.000%	7,604	7,604	0	2.916%	5.122%	0.000%
WI	161	160	1	54.762%	54.983%	33.333%	1,091,022	988,004	103,018	47.729%	81.228%	9.632%
WV	10	8	2	4.808%	7.619%	1.942%	8,178	1,153	7,025	0.807%	1.041%	0.779%
WY	6	5	1	17.143%	17.857%	14.286%	35,810	28,960	6,850	28.358%	61.538%	8.647%
Total	1,222	1,185	37	17.751%	19.144%	5.331%	9,163,346	4,652,946	4,510,400	19.323%	31.007%	13.914%

Table A53 (Revised Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 pCi/L	3,472	432	12.442%	11,709,681	2,438,570	20.825%
	≥ 2.5 pCi/L	3,472	1,008	29.032%	11,709,681	4,280,726	36.557%
Surface Water	> 5 pCi/L	421	14	3.325%	29,716,756	1,372,884	4.620%
	≥ 2.5 pCi/L	421	47	11.164%	29,716,756	3,100,164	10.432%
Combined Ground & Surface Water	> 5 pCi/L	3,893	446	11.456%	41,426,437	3,811,454	9.201%
	≥ 2.5 pCi/L	3,893	1,055	27.100%	41,426,437	7,380,890	17.817%

Table A53a (Revised Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (pCi/L)			Median Detect Concentration (pCi/L)			90th Percentile Detect Concentration (pCi/L)			Maximum Detect Concentration (pCi/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	522	454	68	93.295%	92.731%	97.059%	0.01	0.04	0.01	0.47	0.47	0.49	1.01	1.01	0.86	4.45	4.45	1.83
AL	36	11	25	94.444%	90.909%	96.000%	0.1	0.12	0.1	0.5	1.17	0.45	1.4	3.225	0.8	3.3	3.3	1.9
AR																		
AZ	610	435	175	18.689%	21.379%	12.000%	0.0008	0.0008	0.2	0.7	0.98	0.3	2.6	3.1	0.57	8.3	8.3	1.2
CA	1,094	661	433	16.271%	18.759%	12.471%	0.053	0.16	0.053	0.934	1.035	0.82	2.8	3.9	1.4	11.03	11.03	3.4
CO	870	663	207	75.862%	76.621%	73.430%	0.04	0.04	0.1	1	1.2	0.55	7.65	10.07	1.9	40.3	40.3	10
CT	1,504	1,383	121	37.566%	39.407%	16.529%	0.1	0.1	1.01	1.5	1.5	1.5	4.9	4.92	2.385	56.66	56.66	3.75
DE	6	5	1	66.667%	60.000%	100.000%	1.58	1.58	27.789	4.3	4.04	27.789	27.789	4.56	27.789	27.789	4.56	27.789
FL																		
GA																		
HI																		
IA	422	412	10	89.810%	91.505%	20.000%	0.6	0.6	0.8	2.9	3	0.9	5.4	5.4	1	11.2	11.2	1
ID	154	147	7	29.221%	29.252%	28.571%	0.1	0.1	0.4	0.5	0.5	0.75	1.9	1.9	1.1	3	3	1.1
IL	2,851	2,832	19	98.843%	98.976%	78.947%	0.1	0.1	0.13	3.507	3.55	1.57	10.8	10.84	8.1	32.84	32.84	9.1
IN																		
KY	2	1	1	100.000%	100.000%	100.000%	0.25	0.25	2.6	1.425	0.25	2.6	2.6	0.25	2.6	2.6	0.25	2.6
MA																		
MD	279	219	60	59.140%	66.210%	33.333%	0.1	0.1	0.1	1.8	1.9	0.75	6.7	6.8	2.295	12.9	12.9	2.78
ME	18	18	0	100.000%	100.000%	0.000%	0.26	0.26		1.508	1.508		19.32	19.32		21	21	
MI																		
MN																		
MO	697	696	1	99.570%	99.569%	100.000%	0.1	0.1	0.1	2.95	3	0.1	11.1	11.1	0.1	32.7	32.7	0.1
MT	464	449	15	19.181%	19.376%	13.333%	0.2	0.2	0.6	0.7	0.7	0.7	3.1	3.1	0.8	6.4	6.4	0.8
NC	2,815	2,583	232	54.210%	56.833%	25.000%	0.13	0.13	0.18	3.4	3.5	0.95	9.3	9.3	1.43	31.1	31.1	1.9
ND	5	5	0	60.000%	60.000%	0.000%	0.166	0.166		1.15	1.15		1.5	1.5		1.5	1.5	
NE	130	126	4	45.385%	46.825%	0.000%	0.3	0.3		2.1	2.1		4.7	4.7		11.6	11.6	
NH																		
NJ	1,489	1,146	343	73.674%	76.963%	62.682%	1	1	1	2.7	3.11	1.5	5.46	5.72	4.56	20.41	20.41	7.22
NM	599	555	44	46.745%	46.486%	50.000%	0.01	0.01	0.04	0.4035	0.41	0.235	3.07	3.28	1.36	22.3	22.3	2.082
NV	532	489	43	52.820%	50.102%	83.721%	0.0165	0.0165	0.079	0.461	0.431	0.6305	1.37	1.4	1.24	7.62	7.62	1.4771
NY	1,362	1,166	196	84.875%	86.106%	77.551%	0.008	0.008	0.03	1.1015	1.18	0.8	4.12	4.2	3.2	22.4	22.4	9.02
OH	50	49	1	48.000%	48.980%	0.000%	1.08	1.08		2.86	2.86		6.04	6.04		7.26	7.26	
OK																		
OR	50	43	7	14.000%	16.279%	0.000%	0.3	0.3		0.74	0.74		1.85	1.85		1.85	1.85	
RI	29	24	5	24.138%	29.167%	0.000%	1.11	1.11		1.3	1.3		1.7	1.7		1.7	1.7	
SC	860	789	71	53.372%	56.274%	21.127%	1	1	1	3.5	3.5	2.3	8	8.1	5.4	33.6	33.6	6.1
SD	25	25	0	96.000%	96.000%	0.000%	1	1		1	1		2.91	2.91		4	4	
TN																		
TX																		
UT	26	14	12	53.846%	92.857%	8.333%	1	1	3	2	2	3	4	4	3	4	4	3
VA	33	32	1	48.485%	50.000%	0.000%	0.671	0.671		1.59	1.59		4.44	4.44		4.55	4.55	
VT	143	117	26	87.413%	88.889%	80.769%	0.03	0.03	0.1	0.7	0.795	0.3	6.1	6.2	1.3	14.87	14.87	1.8
WI	207	207	0	97.585%	97.585%	0.000%	0.03	0.03		3.85	3.85		6.7	6.7		14.8	14.8	
WV	90	73	17	94.444%	94.521%	94.118%	0.1	0.1	0.1	0.8	1	0.41	4.4	4.5	1.5	7	7	1.89
WY	76	66	10	100.000%	100.000%	100.000%	0.2	0.2	0.6	1	1	1.6	3	2.5	3.05	5.9	5.9	3.1
Total	18,050	15,895	2,155	64.781%	67.732%	43.016%	0.0008	0.0008	0.01	2	2.3	1	7.8	8.1	3	56.66	56.66	27.789

Table A53b (Revised Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	141	118	23	92,837	70,944	21,893	92.908%	93.220%	91.304%	91.996%	91.086%	94.944%
AL	11	8	3	1,051,258	38,578	1,012,680	90.909%	87.500%	100.000%	99.732%	92.706%	100.000%
AR												
AZ	139	127	12	4,573,238	1,328,714	3,244,524	34.532%	31.496%	66.667%	37.946%	25.561%	43.018%
CA	163	118	45	9,301,445	1,992,068	7,309,377	32.515%	31.356%	35.556%	28.412%	53.616%	21.543%
CO	204	153	51	3,169,671	253,727	2,915,944	83.333%	86.275%	74.510%	46.502%	94.061%	42.363%
CT	283	265	18	1,463,874	139,544	1,324,330	69.258%	72.075%	27.778%	18.964%	78.576%	12.683%
DE	3	2	1	111,360	6,090	105,270	66.667%	50.000%	100.000%	99.919%	98.522%	100.000%
FL												
GA												
HI												
IA	170	166	4	557,475	252,579	304,896	88.235%	89.157%	50.000%	56.854%	67.187%	48.295%
ID	79	77	2	610,810	421,610	189,200	32.911%	32.468%	50.000%	65.817%	51.236%	98.309%
IL	472	461	11	2,256,473	1,679,294	577,179	97.881%	98.482%	72.727%	96.420%	99.758%	86.707%
IN												
KY	2	1	1	101,482	84,935	16,547	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
MA												
MD	96	77	19	2,527,642	519,882	2,007,760	58.333%	63.636%	36.842%	89.884%	85.004%	91.148%
ME	11	11	0	1,746	1,746	0	100.000%	100.000%	0.000%	100.000%	100.000%	0.000%
MI												
MN												
MO	210	209	1	211,284	211,261	23	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
MT	167	160	7	69,849	54,111	15,738	26.347%	26.250%	28.571%	41.840%	41.054%	44.542%
NC	404	363	41	2,816,439	436,906	2,379,533	51.485%	53.168%	36.585%	69.181%	58.076%	71.220%
ND	3	3	0	269	269	0	100.000%	100.000%	0.000%	100.000%	100.000%	0.000%
NE	50	49	1	623,950	111,786	512,164	48.000%	48.980%	0.000%	5.290%	29.524%	0.000%
NH												
NJ	125	95	30	6,565,156	1,633,380	4,931,776	87.200%	86.316%	90.000%	87.086%	95.974%	84.143%
NM	283	258	25	1,363,603	1,122,055	241,548	53.004%	51.938%	64.000%	47.375%	40.005%	81.607%
NV	86	81	5	464,030	155,491	308,539	55.814%	54.321%	80.000%	94.789%	84.641%	99.903%
NY	362	298	64	979,416	300,365	679,051	88.122%	89.597%	81.250%	69.172%	61.817%	72.425%
OH	27	26	1	33,974	18,774	15,200	51.852%	53.846%	0.000%	21.466%	38.846%	0.000%
OK												
OR	28	22	6	43,482	36,292	7,190	21.429%	27.273%	0.000%	21.899%	26.237%	0.000%
RI	6	5	1	83,717	32,967	50,750	66.667%	80.000%	0.000%	39.170%	99.469%	0.000%
SC	150	128	22	1,225,431	205,071	1,020,360	46.667%	52.344%	13.636%	15.767%	62.744%	6.326%
SD	11	11	0	16,869	16,869	0	90.909%	90.909%	0.000%	12.644%	12.644%	0.000%
TN												
TX												
UT	8	7	1	206,396	54,136	152,260	87.500%	85.714%	100.000%	99.855%	99.446%	100.000%
VA	17	16	1	133,660	4,708	128,952	52.941%	56.250%	0.000%	1.491%	42.332%	0.000%
VT	63	53	10	160,030	23,036	136,994	88.889%	88.679%	90.000%	64.017%	93.775%	59.013%
WI	61	61	0	489,065	489,065	0	98.361%	98.361%	0.000%	99.775%	99.775%	0.000%
WV	38	26	12	41,652	7,642	34,010	94.737%	92.308%	100.000%	99.400%	96.729%	100.000%
WY	20	17	3	78,854	5,786	73,068	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
Total	3,893	3,472	421	41,426,437	11,709,681	29,716,756	69.972%	71.083%	60.808%	56.754%	68.876%	51.978%



Table A53c (Revised Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 pCi/L			Percent of Systems with At Least One Detection > 5 pCi/L			Population Served by Systems with At Least One Detection > 5 pCi/L			Percent of Population Served with At Least One Detection > 5 pCi/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR												
AZ	2	2	0	1.439%	1.575%	0.000%	63,865	63,865	0	1.396%	4.807%	0.000%
CA	4	4	0	2.454%	3.390%	0.000%	17,752	17,752	0	0.191%	0.891%	0.000%
CO	39	36	3	19.118%	23.529%	5.882%	49,240	42,290	6,950	1.553%	16.668%	0.238%
CT	17	17	0	6.007%	6.415%	0.000%	3,149	3,149	0	0.215%	2.257%	0.000%
DE	1	0	1	33.333%	0.000%	100.000%	105,270	0	105,270	94.531%	0.000%	100.000%
FL												
GA												
HI												
IA	21	21	0	12.353%	12.651%	0.000%	44,955	44,955	0	8.064%	17.798%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	132	130	2	27.966%	28.200%	18.182%	1,050,977	860,191	190,786	46.576%	51.223%	33.055%
IN												
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA												
MD	4	4	0	4.167%	5.195%	0.000%	250,026	250,026	0	9.892%	48.093%	0.000%
ME	2	2	0	18.182%	18.182%	0.000%	163	163	0	9.336%	9.336%	0.000%
MI												
MN												
MO	34	34	0	16.190%	16.268%	0.000%	69,634	69,634	0	32.958%	32.961%	0.000%
MT	1	1	0	0.599%	0.625%	0.000%	540	540	0	0.773%	0.998%	0.000%
NC	57	57	0	14.109%	15.702%	0.000%	60,229	60,229	0	2.138%	13.785%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	4.000%	4.082%	0.000%	1,833	1,833	0	0.294%	1.640%	0.000%
NH												
NJ	42	38	4	33.600%	40.000%	13.333%	1,888,978	862,698	1,026,280	28.773%	52.817%	20.810%
NM	3	3	0	1.060%	1.163%	0.000%	2,840	2,840	0	0.208%	0.253%	0.000%
NV	1	1	0	1.163%	1.235%	0.000%	663	663	0	0.143%	0.426%	0.000%
NY	25	22	3	6.906%	7.383%	4.688%	11,670	8,622	3,048	1.192%	2.871%	0.449%
OH	3	3	0	11.111%	11.538%	0.000%	852	852	0	2.508%	4.538%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	27	26	1	18.000%	20.313%	4.545%	74,993	34,443	40,550	6.120%	16.796%	3.974%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN												
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	5	5	0	7.937%	9.434%	0.000%	865	865	0	0.541%	3.755%	0.000%
WI	20	20	0	32.787%	32.787%	0.000%	111,935	111,935	0	22.888%	22.888%	0.000%
WV	2	2	0	5.263%	7.692%	0.000%	280	280	0	0.672%	3.664%	0.000%
WY	2	2	0	10.000%	11.765%	0.000%	745	745	0	0.945%	12.876%	0.000%
Total	446	432	14	11.456%	12.442%	3.325%	3,811,454	2,438,570	1,372,884	9.201%	20.825%	4.620%

Table A53d (Revised Rule). Radium-226 228 – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 2.5 pCi/L			Percent of Systems with At Least One Detection ≥ 2.5 pCi/L			Population Served by Systems with At Least One Detection ≥ 2.5 pCi/L			Percent of Population Served with At Least One Detection ≥ 2.5 pCi/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3	3	0	2.128%	2.542%	0.000%	560	560	0	0.603%	0.789%	0.000%
AL	2	2	0	18.182%	25.000%	0.000%	11,721	11,721	0	1.115%	30.383%	0.000%
AR												
AZ	9	9	0	6.475%	7.087%	0.000%	137,300	137,300	0	3.002%	10.333%	0.000%
CA	11	9	2	6.748%	7.627%	4.444%	482,626	190,511	292,115	5.189%	9.563%	3.996%
CO	56	49	7	27.451%	32.026%	13.725%	230,225	103,211	127,014	7.263%	40.678%	4.356%
CT	90	88	2	31.802%	33.208%	11.111%	142,649	43,702	98,947	9.745%	31.318%	7.471%
DE	2	1	1	66.667%	50.000%	100.000%	111,270	6,000	105,270	99.919%	98.522%	100.000%
FL												
GA												
HI												
IA	96	96	0	56.471%	57.831%	0.000%	141,891	141,891	0	25.452%	56.177%	0.000%
ID	1	1	0	1.266%	1.299%	0.000%	94	94	0	0.015%	0.022%	0.000%
IL	265	262	3	56.144%	56.833%	27.273%	1,410,014	1,212,402	197,612	62.488%	72.197%	34.238%
IN												
KY	1	0	1	50.000%	0.000%	100.000%	16,547	0	16,547	16.305%	0.000%	100.000%
MA												
MD	13	12	1	13.542%	15.584%	5.263%	270,211	265,111	5,100	10.690%	50.994%	0.254%
ME	2	2	0	18.182%	18.182%	0.000%	163	163	0	9.336%	9.336%	0.000%
MI												
MN												
MO	61	61	0	29.048%	29.187%	0.000%	98,354	98,354	0	46.551%	46.556%	0.000%
MT	6	6	0	3.593%	3.750%	0.000%	865	865	0	1.238%	1.599%	0.000%
NC	111	111	0	27.475%	30.579%	0.000%	167,069	167,069	0	5.932%	38.239%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	6	6	0	12.000%	12.245%	0.000%	2,301	2,301	0	0.369%	2.058%	0.000%
NH												
NJ	73	61	12	58.400%	64.211%	40.000%	3,031,317	1,270,041	1,761,276	46.173%	77.755%	35.713%
NM	17	17	0	6.007%	6.589%	0.000%	93,899	93,899	0	6.886%	8.368%	0.000%
NV	4	4	0	4.651%	4.938%	0.000%	26,215	26,215	0	5.649%	16.859%	0.000%
NY	96	82	14	26.519%	27.517%	21.875%	244,030	26,341	217,689	24.916%	8.770%	32.058%
OH	7	7	0	25.926%	26.923%	0.000%	2,862	2,862	0	8.424%	15.244%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	53	51	2	35.333%	39.844%	9.091%	154,547	98,381	56,166	12.612%	47.974%	5.505%
SD	4	4	0	36.364%	36.364%	0.000%	775	775	0	4.594%	4.594%	0.000%
TN												
TX												
UT	3	2	1	37.500%	28.571%	100.000%	155,310	3,050	152,260	75.249%	5.634%	100.000%
VA	4	4	0	23.529%	25.000%	0.000%	544	544	0	0.407%	11.555%	0.000%
VT	11	11	0	17.460%	20.755%	0.000%	2,324	2,324	0	1.452%	10.089%	0.000%
WI	38	38	0	62.295%	62.295%	0.000%	373,042	373,042	0	76.277%	76.277%	0.000%
WV	4	4	0	10.526%	15.385%	0.000%	532	532	0	1.277%	6.962%	0.000%
WY	6	5	1	30.000%	29.412%	33.333%	71,633	1,465	70,168	90.843%	25.320%	96.031%
Total	1,055	1,008	47	27.100%	29.032%	11.164%	7,380,890	4,280,726	3,100,164	17.817%	36.557%	10.432%

Table A54. Selenium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.05 mg/L	44,924	63	0.140%	85,462,006	123,164	0.144%
	≥ 0.025 mg/L	44,924	252	0.561%	85,462,006	750,440	0.878%
Surface Water	> 0.05 mg/L	4,001	2	0.050%	144,401,405	101,652	0.070%
	≥ 0.025 mg/L	4,001	28	0.700%	144,401,405	4,034,609	2.794%
Combined Ground & Surface Water	> 0.05 mg/L	48,925	65	0.133%	229,863,411	224,816	0.098%
	≥ 0.025 mg/L	48,925	280	0.572%	229,863,411	4,785,049	2.082%

Table A54a. Selenium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	874	617	257	3.204%	3.241%	3.113%	0.00112	0.00131	0.00112	0.00346	0.00374	0.0025	0.00631	0.00816	0.00491	0.02	0.02	0.00491
AL	2,643	1,794	849	1.400%	0.669%	2.945%	0.0002	0.00103	0.0002	0.002	0.0021	0.002	0.0063	0.01	0.0035	0.01	0.01	0.01
AR	2,180	1,516	664	0.367%	0.462%	0.151%	0.005	0.005	0.0059	0.0062	0.0064	0.0059	0.04	0.04	0.0059	0.04	0.04	0.0059
AZ	6,317	4,988	1,329	11.065%	10.866%	11.813%	0.0006	0.0006	0.001	0.0043	0.005	0.0031	0.01	0.01	0.0057	0.42	0.42	0.04
CA	35,322	21,147	14,175	10.011%	12.900%	5.700%	7.6E-05	7.6E-05	0.00012	0.005	0.005	0.005	0.02	0.02	0.01	0.49	0.49	0.2
CO	4,423	2,367	2,056	19.127%	24.546%	12.889%	0.00006	0.0002	0.00006	0.0043	0.005	0.003	0.02	0.02	0.01	0.18	0.18	0.04
CT	2,595	1,873	722	2.235%	2.723%	0.970%	0.0002	0.0003	0.0002	0.006	0.006	0.003	0.01	0.01	0.01	0.05	0.05	0.01
DE	686	638	48	28.280%	29.467%	12.500%	0.0001	0.0001	0.0005	0.0005	0.0005	0.0006	0.0026	0.0027	0.0007	0.02	0.02	0.0007
FL	2,141	2,072	69	18.449%	18.678%	11.594%	0.0001	0.0001	0.001	0.002	0.002	0.003	0.006	0.006	0.004	0.03	0.03	0.004
GA	2,700	2,377	323	0.037%	0.042%	0.000%	0.02	0.02		0.02	0.02		0.02	0.02		0.02	0.02	
HI	1,178	1,116	62	0.170%	0.179%	0.000%	0.005	0.005		0.0055	0.0055		0.006	0.006		0.006	0.006	
IA	1,511	1,249	262	3.508%	4.003%	1.145%	0.001	0.001	0.002	0.02	0.02	0.009	0.03	0.03	0.01	0.05	0.05	0.01
ID	2,652	2,382	270	4.563%	4.618%	4.074%	0.0005	0.0005	0.001	0.003	0.003	0.0026	0.01	0.01	0.0077	0.03	0.03	0.01
IL	3,392	2,991	401	13.738%	12.638%	21.945%	0.001	0.001	0.001	0.0021	0.00215	0.002	0.006	0.0066	0.005	0.06	0.06	0.01
IN	4,704	4,221	483	3.550%	3.293%	5.797%	0.0008	0.0008	0.0012	0.003	0.003	0.003	0.01	0.01	0.0091	0.03	0.03	0.01
KY	1,778	537	1,241	6.805%	5.587%	7.333%	0.00024	0.0005	0.00024	0.003	0.003	0.0022	0.006	0.0085	0.0059	0.01	0.01	0.01
MA	2,941	1,978	963	3.196%	3.387%	2.804%	0.00086	0.00086	0.001	0.003	0.003	0.003	0.006	0.007	0.005	0.01	0.01	0.01
MD	5,085	3,969	1,116	2.852%	1.159%	8.871%	0.00034	0.0006	0.00034	0.001	0.004	0.001	0.02	0.02	0.007	0.05	0.02	0.05
ME	2,703	2,305	398	10.877%	11.584%	6.784%	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.01	0.01	0.01
MI	6,119	5,945	174	31.786%	30.463%	77.011%	0.00015	0.00015	0.0005	0.001	0.001	0.001	0.003	0.003	0.003	0.14	0.14	0.04
MN	3,329	3,280	49	0.421%	0.427%	0.000%	0.00516	0.00516		0.00657	0.00657		0.00924	0.00924		0.00985	0.00985	
MO	5,705	4,928	777	3.996%	4.058%	3.604%	0.001	0.001	0.00104	0.00193	0.00199	0.00174	0.0059	0.00597	0.0026	0.02	0.02	0.00638
MT	2,756	2,473	283	5.806%	5.985%	4.240%	0.0003	0.0003	0.001	0.003	0.003	0.0025	0.01	0.01	0.006	0.05	0.05	0.01
NC	9,233	7,799	1,434	1.700%	1.769%	1.325%	0.0004	0.0004	0.001	0.006	0.0065	0.005	0.02	0.02	0.02	0.18	0.18	0.02
ND	357	313	44	70.588%	69.329%	79.545%	0.00102	0.00102	0.00107	0.00277	0.00292	0.00188	0.00948	0.00948	0.01	0.09	0.09	0.03
NE	1,940	1,854	86	36.649%	38.080%	5.814%	0.005	0.005	0.00509	0.00955	0.00962	0.00542	0.04	0.04	0.00646	0.2	0.2	0.00646
NH	2,930	2,766	164	0.137%	0.145%	0.000%	0.0069	0.0069		0.04	0.04		0.1	0.1		0.1	0.1	
NJ	6,574	5,853	721	4.198%	4.186%	4.300%	0.0003	0.0003	0.0004	0.003	0.003	0.002	0.007	0.007	0.004	0.17	0.17	0.03
NM	3,540	3,214	326	40.480%	41.661%	28.834%	0.0004	0.0004	0.0006	0.0028	0.0029	0.00225	0.01	0.01	0.0053	0.23	0.23	0.02
NV	1,870	1,292	578	26.898%	30.495%	18.858%	0.0001	0.0001	0.00022	0.002	0.002	0.002	0.006	0.00665	0.005	0.06	0.06	0.01
NY	3,389	2,535	854	4.574%	4.379%	5.152%	0.00019	0.00019	0.001	0.002	0.0027	0.00183	0.007	0.0082	0.00398	0.03	0.03	0.01
OH	4,080	3,447	633	4.534%	4.845%	2.844%	0.00167	0.00167	0.002	0.0047	0.0049	0.004	0.0092	0.00932	0.006	0.04	0.04	0.0071
OK	424	350	74	16.274%	14.286%	25.676%	0.0015	0.0015	0.0021	0.01	0.025	0.01	0.06	0.075	0.03	0.19	0.19	0.03
OR	1,313	952	361	2.437%	2.941%	1.108%	0.00061	0.00069	0.00061	0.00201	0.00301	0.0015	0.01	0.01	0.0067	0.01	0.01	0.0067
RI	888	658	230	0.338%	0.456%	0.000%	0.005	0.005		0.01	0.01		0.01	0.01		0.01	0.01	
SC	3,443	2,980	463	1.888%	2.148%	0.216%	0.002	0.002	0.0031	0.0031	0.00305	0.0031	0.0054	0.0054	0.0031	0.02	0.02	0.0031
SD	388	359	29	37.629%	37.326%	41.379%	0.0008	0.0008	0.001	0.003	0.00345	0.0015	0.009	0.0092	0.0018	0.02	0.02	0.002
TN	1,656	483	1,173	7.065%	2.277%	9.037%	0.00021	0.001	0.00021	0.0015	0.0015	0.0015	0.003	0.0029	0.003	0.01	0.01	0.01
TX	14,806	12,227	2,579	23.680%	20.790%	37.379%	0.0012	0.0012	0.002	0.0048	0.0053	0.0041	0.01	0.02	0.01	0.19	0.19	0.04
UT	6,996	5,459	1,537	60.206%	64.096%	46.389%	0.0001	0.0002	0.0001	0.00178	0.0019	0.0013	0.0047	0.0048	0.0046	0.18	0.18	0.01
VA	2,802	2,193	609	0.678%	0.775%	0.328%	0.002	0.002	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
VT	2,080	1,756	324	0.529%	0.626%	0.000%	0.0009	0.0009		0.002	0.002		0.04	0.04		0.38	0.38	
WI	7,007	6,835	172	7.250%	7.403%	1.163%	0.00035	0.00035	0.0009	0.0014	0.0014	0.00145	0.00385	0.00385	0.002	0.05	0.05	0.002
WV	1,112	424	688	4.137%	7.547%	2.035%	0.00033	0.00063	0.00033	0.005	0.005	0.00275	0.01	0.01	0.0051	0.01	0.01	0.01
WY	1,122	875	247	8.734%	9.943%	4.453%	0.0011	0.0011	0.0023	0.006	0.006	0.006	0.01	0.01	0.007	0.08	0.08	0.009
Total	181,684	141,387	40,297	12.175%	12.790%	10.016%	0.00006	7.6E-05	0.00006	0.003	0.003	0.003	0.01	0.01	0.0087	0.49	0.49	0.2

Table A54b. Selenium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	492	391	101	546,472	210,251	336,221	5.081%	4.859%	5.941%	42.405%	2.183%	67.558%
AL	352	279	73	4,701,100	1,463,066	3,238,034	7.955%	3.943%	23.288%	26.905%	1.970%	38.171%
AR	453	381	72	2,452,800	909,774	1,543,026	1.104%	1.050%	1.389%	1.413%	2.809%	0.589%
AZ	1,050	1,002	48	6,162,056	2,791,465	3,370,591	26.762%	25.150%	60.417%	65.396%	37.701%	88.332%
CA	3,812	3,289	523	36,243,379	13,413,210	22,830,169	18.258%	18.030%	19.694%	56.543%	57.515%	55.972%
CO	838	617	221	4,998,506	533,275	4,465,231	41.169%	39.708%	45.249%	40.000%	49.461%	38.871%
CT	1,170	1,131	39	2,716,176	382,254	2,333,922	4.444%	4.156%	12.821%	17.810%	6.003%	19.744%
DE	281	278	3	679,823	398,423	281,400	47.331%	46.763%	100.000%	73.448%	54.695%	100.000%
FL	1,333	1,307	26	17,371,144	15,125,102	2,246,042	21.230%	21.117%	26.923%	45.578%	48.546%	25.593%
GA	1,587	1,473	114	7,241,184	1,348,853	5,892,331	0.063%	0.068%	0.000%	0.002%	0.009%	0.000%
HI	107	95	12	1,303,767	1,249,139	54,628	1.869%	2.105%	0.000%	0.466%	0.487%	0.000%
IA	966	933	33	2,499,860	1,391,234	1,108,626	3.209%	3.001%	9.091%	11.162%	2.880%	21.556%
ID	894	847	47	1,048,642	805,767	242,875	7.606%	7.556%	8.511%	20.501%	24.640%	6.770%
IL	1,490	1,387	103	9,168,134	2,968,062	6,200,072	21.409%	19.827%	42.718%	22.588%	32.118%	18.025%
IN	1,623	1,574	49	4,980,057	2,619,602	2,360,455	7.209%	6.607%	26.531%	23.677%	27.157%	19.814%
KY	242	93	149	4,602,489	375,460	4,227,029	33.471%	24.731%	38.926%	51.189%	32.276%	52.869%
MA	676	558	118	8,525,575	1,718,151	6,807,424	8.876%	8.602%	10.169%	51.067%	9.521%	61.553%
MD	1,038	970	68	5,022,488	1,024,381	3,998,107	4.913%	3.711%	22.059%	46.779%	33.269%	50.241%
ME	806	752	54	727,707	292,103	435,604	26.799%	26.064%	37.037%	26.751%	35.265%	21.043%
MI	2,993	2,941	52	6,681,481	1,889,150	4,792,331	40.194%	39.510%	78.846%	85.026%	59.186%	95.212%
MN	1,459	1,432	27	3,959,159	2,725,622	1,233,537	0.685%	0.698%	0.000%	2.817%	4.091%	0.000%
MO	1,420	1,343	77	3,006,718	1,692,257	1,314,461	10.986%	10.424%	20.779%	15.734%	18.082%	12.711%
MT	846	787	59	757,540	365,141	392,399	13.239%	13.469%	10.169%	25.040%	28.164%	22.132%
NC	2,283	2,144	139	6,973,518	1,708,352	5,265,166	5.344%	5.084%	9.353%	4.849%	7.050%	4.135%
ND	217	190	27	563,069	257,844	305,225	74.194%	73.684%	77.778%	81.228%	73.501%	87.757%
NE	731	720	11	1,449,290	672,810	776,480	41.313%	41.389%	36.364%	80.227%	62.655%	95.452%
NH	1,216	1,175	41	942,517	392,718	549,799	0.329%	0.340%	0.000%	0.204%	0.489%	0.000%
NJ	1,374	1,337	37	7,762,423	2,726,477	5,035,946	11.790%	11.219%	32.432%	40.865%	43.179%	39.612%
NM	724	685	39	1,667,433	1,400,885	266,548	55.110%	55.912%	41.026%	45.800%	42.977%	60.635%
NV	324	304	20	970,526	280,727	689,799	51.543%	50.329%	70.000%	91.351%	73.576%	98.585%
NY	1,574	1,333	241	11,201,957	1,222,509	9,979,448	8.005%	6.752%	14.938%	2.591%	8.113%	1.915%
OH	1,917	1,792	125	10,218,949	3,124,012	7,094,937	7.929%	7.924%	8.000%	6.947%	3.415%	8.502%
OK	202	175	27	749,266	276,712	472,554	10.891%	10.857%	11.111%	31.910%	29.516%	33.312%
OR	731	610	121	2,770,064	486,818	2,283,246	3.830%	3.934%	3.306%	30.564%	11.062%	34.722%
RI	143	134	9	913,584	173,606	739,978	1.399%	1.493%	0.000%	4.663%	24.538%	0.000%
SC	823	758	65	3,468,333	809,806	2,658,527	4.010%	4.222%	1.538%	1.229%	3.605%	0.505%
SD	235	224	11	328,972	237,011	91,961	46.383%	45.982%	54.545%	48.679%	59.749%	20.149%
TN	350	161	189	5,683,572	1,460,816	4,222,756	9.143%	6.832%	11.111%	14.824%	4.976%	18.231%
TX	4,888	4,547	341	25,060,220	9,275,719	15,784,501	31.015%	28.172%	68.915%	62.609%	31.420%	80.938%
UT	507	457	50	2,543,652	1,686,017	857,635	76.726%	78.775%	58.000%	82.074%	85.922%	74.508%
VA	1,581	1,413	168	4,803,093	634,027	4,169,066	1.012%	0.991%	1.190%	2.408%	1.279%	2.580%
VT	599	557	42	490,639	226,871	263,768	1.669%	1.795%	0.000%	0.310%	0.671%	0.000%
WI	1,823	1,803	20	4,044,416	2,352,672	1,691,744	19.035%	19.135%	10.000%	13.114%	21.178%	1.899%
WV	451	290	161	1,415,477	234,687	1,180,790	8.204%	9.310%	6.211%	13.121%	10.236%	13.695%
WY	304	255	49	446,184	129,168	317,016	14.803%	15.686%	10.204%	40.431%	39.599%	40.770%
Total	48,925	44,924	4,001	229,863,411	85,462,006	144,401,405	17.284%	16.715%	23.669%	37.048%	34.217%	38.724%

Table A54c. Selenium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.05 mg/L			Percent of Systems with At Least One Detection > 0.05 mg/L			Population Served by Systems with At Least One Detection > 0.05 mg/L			Percent of Population Served with At Least One Detection > 0.05 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	3	3	0	0.286%	0.299%	0.000%	6,432	6,432	0	0.104%	0.230%	0.000%
CA	16	14	2	0.420%	0.426%	0.382%	138,673	37,021	101,652	0.383%	0.276%	0.445%
CO	4	4	0	0.477%	0.648%	0.000%	3,725	3,725	0	0.075%	0.699%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.067%	0.072%	0.000%	60	60	0	0.001%	0.002%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	1	1	0	0.033%	0.034%	0.000%	263	263	0	0.004%	0.014%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	4	4	0	0.175%	0.187%	0.000%	13,705	13,705	0	0.197%	0.802%	0.000%
ND	1	1	0	0.461%	0.526%	0.000%	761	761	0	0.135%	0.295%	0.000%
NE	8	8	0	1.094%	1.111%	0.000%	3,643	3,643	0	0.251%	0.541%	0.000%
NH	2	2	0	0.164%	0.170%	0.000%	98	98	0	0.010%	0.025%	0.000%
NJ	1	1	0	0.073%	0.075%	0.000%	145	145	0	0.002%	0.005%	0.000%
NM	5	5	0	0.691%	0.730%	0.000%	1,095	1,095	0	0.066%	0.078%	0.000%
NV	2	2	0	0.617%	0.658%	0.000%	593	593	0	0.061%	0.211%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	5	5	0	2.475%	2.857%	0.000%	46,475	46,475	0	6.203%	16.795%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	7	7	0	0.143%	0.154%	0.000%	702	702	0	0.003%	0.008%	0.000%
UT	3	3	0	0.592%	0.656%	0.000%	8,200	8,200	0	0.322%	0.486%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	1	1	0	0.167%	0.180%	0.000%	168	168	0	0.034%	0.074%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	1	1	0	0.329%	0.392%	0.000%	78	78	0	0.017%	0.060%	0.000%
Total	65	63	2	0.133%	0.140%	0.050%	224,816	123,164	101,652	0.098%	0.144%	0.070%

Table A54d. Selenium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 0.025$ mg/L			Percent of Systems with At Least One Detection $\geq 0.025$ mg/L			Population Served by Systems with At Least One Detection $\geq 0.025$ mg/L			Percent of Population Served with At Least One Detection $\geq 0.025$ mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	1	1	0	0.221%	0.262%	0.000%	37	37	0	0.002%	0.004%	0.000%
AZ	8	6	2	0.762%	0.599%	4.167%	318,655	18,655	300,000	5.171%	0.668%	8.901%
CA	47	39	8	1.233%	1.186%	1.530%	1,029,063	438,560	590,503	2.839%	3.270%	2.587%
CO	19	17	2	2.267%	2.755%	0.905%	13,363	13,003	360	0.267%	2.438%	0.008%
CT	4	4	0	0.342%	0.354%	0.000%	289	289	0	0.011%	0.076%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	2	2	0	0.150%	0.153%	0.000%	106	106	0	0.001%	0.001%	0.000%
GA	1	1	0	0.063%	0.068%	0.000%	120	120	0	0.002%	0.009%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	3	3	0	0.311%	0.322%	0.000%	3,218	3,218	0	0.129%	0.231%	0.000%
ID	3	3	0	0.336%	0.354%	0.000%	465	465	0	0.044%	0.058%	0.000%
IL	4	4	0	0.268%	0.288%	0.000%	24,434	24,434	0	0.267%	0.823%	0.000%
IN	2	2	0	0.123%	0.127%	0.000%	13,134	13,134	0	0.264%	0.501%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	13	7	6	1.252%	0.722%	8.824%	1,894,473	9,666	1,884,807	37.720%	0.944%	47.142%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	4	3	1	0.134%	0.102%	1.923%	297,792	438	297,354	4.457%	0.023%	6.205%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	5	5	0	0.591%	0.635%	0.000%	380	380	0	0.050%	0.104%	0.000%
NC	11	10	1	0.482%	0.466%	0.719%	24,225	17,725	6,500	0.347%	1.038%	0.123%
ND	4	3	1	1.843%	1.579%	3.704%	6,592	2,076	4,516	1.171%	0.805%	1.480%
NE	34	34	0	4.651%	4.722%	0.000%	39,415	39,415	0	2.720%	5.858%	0.000%
NH	2	2	0	0.164%	0.170%	0.000%	98	98	0	0.010%	0.025%	0.000%
NJ	2	1	1	0.146%	0.075%	2.703%	676,399	145	676,254	8.714%	0.005%	13.429%
NM	13	13	0	1.796%	1.898%	0.000%	14,256	14,256	0	0.855%	1.018%	0.000%
NV	3	3	0	0.926%	0.987%	0.000%	1,353	1,353	0	0.139%	0.482%	0.000%
NY	2	2	0	0.127%	0.150%	0.000%	2,000	2,000	0	0.018%	0.164%	0.000%
OH	7	7	0	0.365%	0.391%	0.000%	1,371	1,371	0	0.013%	0.044%	0.000%
OK	7	6	1	3.465%	3.429%	3.704%	176,806	51,375	125,431	23.597%	18.566%	26.543%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	1	0	0.122%	0.132%	0.000%	200	200	0	0.006%	0.025%	0.000%
SD	1	1	0	0.426%	0.446%	0.000%	33	33	0	0.010%	0.014%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	61	56	5	1.248%	1.232%	1.466%	196,331	47,447	148,884	0.783%	0.512%	0.943%
UT	8	8	0	1.578%	1.751%	0.000%	48,401	48,401	0	1.903%	2.871%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	2	2	0	0.334%	0.359%	0.000%	293	293	0	0.060%	0.129%	0.000%
WI	4	4	0	0.219%	0.222%	0.000%	1,605	1,605	0	0.040%	0.068%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	2	2	0	0.658%	0.784%	0.000%	142	142	0	0.032%	0.110%	0.000%
Total	280	252	28	0.572%	0.561%	0.700%	4,785,049	750,440	4,034,609	2.082%	0.878%	2.794%

Table A55. Simazine – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 4 µg/L	33,478	4	0.012%	73,412,761	2,408	0.003%
	≥ 2 µg/L	33,478	5	0.015%	73,412,761	3,108	0.004%
Surface Water	> 4 µg/L	3,352	12	0.358%	123,573,744	120,751	0.098%
	≥ 2 µg/L	3,352	29	0.865%	123,573,744	725,922	0.587%
Combined Ground & Surface Water	> 4 µg/L	36,830	16	0.043%	196,986,505	123,159	0.063%
	≥ 2 µg/L	36,830	34	0.092%	196,986,505	729,030	0.370%



Table A55a. Simazine – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	51	15	36	0.000%	0.000%	0.000%												
AL	567	411	156	0.882%	0.000%	3.205%	0.08		0.08	0.19		0.19	0.22		0.22	0.22		0.22
AR	1,658	1,412	246	0.121%	0.000%	0.813%	0.03		0.03	0.04		0.04	0.05		0.05	0.05		0.05
AZ	7,021	5,446	1,575	0.114%	0.147%	0.000%	0.09	0.09		0.13	0.13		0.7	0.7		0.7	0.7	
CA	23,217	14,840	8,377	0.134%	0.020%	0.334%	0.02	0.21	0.02	0.17	0.28	0.135	3.18	1.3	3.18	3.18	1.3	3.18
CO	2,486	1,813	673	0.322%	0.165%	0.743%	3.9	3.9	5.6	5.95	5.7	6.3	11	6.2	11	11	6.2	11
CT	1,316	1,003	313	0.000%	0.000%	0.000%												
DE	1,266	1,221	45	0.000%	0.000%	0.000%												
FL	2,398	2,328	70	0.459%	0.473%	0.000%	0.01	0.01		0.01	0.01		0.01	0.01		0.24	0.24	
GA	1,477	1,396	81	0.135%	0.000%	2.469%	8		8	8		8	8		8	8		8
HI	2,101	2,004	97	0.095%	0.100%	0.000%	0.08	0.08		0.085	0.085		0.09	0.09		0.09	0.09	
IA	1,739	1,603	136	0.115%	0.062%	0.735%	0.29	0.3	0.29	0.295	0.3	0.29	0.3	0.3	0.29	0.3	0.3	0.29
ID	2,621	2,337	284	0.000%	0.000%	0.000%												
IL	4,178	3,175	1,003	1.915%	0.000%	7.976%	0.4		0.4	0.815		0.815	2.4		2.4	7.8		7.8
IN	2,448	2,202	246	1.511%	0.045%	14.634%	0.08	0.75	0.08	0.34	0.75	0.3	1	0.75	1	3.9	0.75	3.9
KY	1,873	436	1,437	5.392%	0.000%	7.029%	0.02		0.02	0.27		0.27	0.93		0.93	7.2		7.2
MA	3,020	2,235	785	0.099%	0.045%	0.255%	0.07	0.13	0.07	0.07	0.13	0.07	0.13	0.13	0.07	0.13	0.13	0.07
MD	2,820	1,732	1,088	2.270%	0.520%	5.055%	0.01	0.3	0.01	0.215	1.3	0.2	1.1	1.4	0.8	3.2	1.4	3.2
ME	456	391	65	0.000%	0.000%	0.000%												
MI	6,923	6,423	500	0.058%	0.000%	0.800%	0.2		0.2	0.25		0.25	0.3		0.3	0.3		0.3
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	9,521	5,075	4,446	0.357%	0.611%	0.067%	0.5	0.5	0.62	1.025	1.42	0.77	2.7	2.7	1	4.52	4.52	1
MT	3,018	2,710	308	0.000%	0.000%	0.000%												
NC	13,271	12,108	1,163	0.377%	0.140%	2.837%	0.07	0.07	0.07	0.235	0.28	0.21	0.785	1.23	0.56	4.82	1.68	4.82
ND	407	341	66	0.000%	0.000%	0.000%												
NE	4,478	4,130	348	0.246%	0.048%	2.586%	0.1	0.1	0.11	0.16	0.105	0.17	0.24	0.11	0.25	0.25	0.11	0.25
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	195	176	19	0.513%	0.568%	0.000%	0.12	0.12		0.12	0.12		0.12	0.12		0.12	0.12	
NM	4,525	4,262	263	0.022%	0.023%	0.000%	4.16	4.16		4.16	4.16		4.16	4.16		4.16	4.16	
NV	1,606	1,174	432	0.000%	0.000%	0.000%												
NY	2,925	2,187	738	0.034%	0.000%	0.136%	0.04		0.04	0.04		0.04	0.04		0.04	0.04		0.04
OH	7,557	4,178	3,379	6.352%	0.239%	13.909%	0.05	0.05	0.05	0.27	0.095	0.27	0.86	0.63	0.87	12.4	0.78	12.4
OK																		
OR	2,057	1,573	484	0.000%	0.000%	0.000%												
RI	926	633	293	3.672%	0.474%	10.580%	0.1	0.15	0.1	0.15	0.15	0.15	0.51	0.21	0.51	0.89	0.21	0.89
SC	2,906	2,516	390	0.000%	0.000%	0.000%												
SD	960	851	109	0.000%	0.000%	0.000%												
TN	214	42	172	0.935%	2.381%	0.581%	0.07	1.7	0.07	0.885	1.7	0.07	1.7	1.7	0.07	1.7	1.7	0.07
TX	11,075	5,282	5,793	1.309%	0.076%	2.434%	0.1	0.14	0.1	0.24	0.205	0.24	0.48	0.3	0.48	1.66	0.3	1.66
UT	7,084	5,903	1,181	0.014%	0.017%	0.000%	0.3	0.3		0.3	0.3		0.3	0.3		0.3	0.3	
VA	504	178	326	0.000%	0.000%	0.000%												
VT	1,315	1,113	202	0.152%	0.090%	0.495%	0.07	0.07	0.17	0.12	0.07	0.17	0.17	0.07	0.17	0.17	0.07	0.17
WI	3,190	3,097	93	0.251%	0.258%	0.000%	0.07	0.07		0.115	0.115		0.27	0.27		0.27	0.27	
WV	650	338	312	2.000%	2.367%	1.603%	0.03	0.03	0.03	0.05	0.04	0.07	0.5	0.5	0.5	0.5	0.5	0.5
WY	1,282	971	311	0.000%	0.000%	0.000%												
Total	158,256	119,755	38,501	0.722%	0.106%	2.639%	0.01	0.01	0.01	0.27	0.3	0.26	1.1	2.46	1	12.4	6.2	12.4

Table A55b. Simazine – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	12	7	5	245,571	13,636	231,935	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	179	132	47	2,794,595	634,014	2,160,581	2.235%	0.000%	8.511%	3.714%	0.000%	4.803%
AR	454	382	72	2,453,348	910,322	1,543,026	0.441%	0.000%	2.778%	0.804%	0.000%	1.279%
AZ	933	885	48	6,077,602	2,707,011	3,370,591	0.750%	0.791%	0.000%	0.043%	0.097%	0.000%
CA	2,409	2,030	379	34,891,367	12,961,658	21,929,709	0.706%	0.148%	3.694%	2.342%	0.256%	3.575%
CO	805	586	219	4,990,326	523,417	4,466,909	0.994%	0.512%	2.283%	0.337%	0.528%	0.315%
CT	654	617	37	2,589,153	261,886	2,327,267	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE	247	244	3	647,226	365,826	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,317	1,295	22	16,794,353	14,552,348	2,242,005	0.380%	0.386%	0.000%	15.506%	17.895%	0.000%
GA	294	280	14	974,583	282,561	692,022	0.340%	0.000%	7.143%	0.274%	0.000%	0.386%
HI	112	100	12	1,305,882	1,251,254	54,628	0.893%	1.000%	0.000%	0.107%	0.112%	0.000%
IA	1,056	1,023	33	2,543,237	1,434,611	1,108,626	0.189%	0.098%	3.030%	2.157%	0.122%	4.789%
ID	879	825	54	1,074,009	827,601	246,408	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,160	1,058	102	9,113,191	2,914,019	6,199,172	2.069%	0.000%	23.529%	4.876%	0.000%	7.168%
IN	1,405	1,361	44	4,872,043	2,552,307	2,319,736	0.712%	0.073%	20.455%	11.888%	0.002%	24.965%
KY	243	93	150	4,612,320	375,460	4,236,860	9.465%	0.000%	15.333%	14.736%	0.000%	16.042%
MA	644	527	117	8,485,298	1,682,916	6,802,382	0.311%	0.190%	0.855%	0.799%	1.430%	0.643%
MD	861	793	68	4,906,042	907,935	3,998,107	2.439%	1.135%	17.647%	74.354%	0.378%	91.154%
ME	269	241	28	510,420	134,500	375,920	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,934	2,873	61	7,227,105	2,047,249	5,179,856	0.068%	0.000%	3.279%	0.322%	0.000%	0.449%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,474	1,397	77	3,282,439	1,701,108	1,581,331	0.204%	0.072%	2.597%	1.188%	0.015%	2.450%
MT	813	753	60	753,259	360,590	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.973%	0.269%	12.409%	25.074%	1.553%	32.989%
ND	206	179	27	555,446	250,221	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	762	751	11	1,455,834	679,354	776,480	0.525%	0.266%	18.182%	36.986%	3.705%	66.103%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	131	119	12	2,002,039	354,819	1,647,220	0.763%	0.840%	0.000%	0.029%	0.166%	0.000%
NM	695	659	36	1,661,712	1,398,814	262,898	0.144%	0.152%	0.000%	0.006%	0.007%	0.000%
NV	295	274	21	961,667	271,776	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,343	1,113	230	4,923,387	981,697	3,941,690	0.074%	0.000%	0.435%	0.393%	0.000%	0.491%
OH	1,939	1,814	125	10,227,103	3,132,166	7,094,937	2.940%	0.496%	38.400%	25.566%	1.608%	36.142%
OK												
OR	1,084	934	150	2,937,354	572,604	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	105	97	8	902,560	163,122	739,438	2.857%	2.062%	12.500%	7.714%	0.835%	9.232%
SC	770	711	59	3,427,270	800,487	2,626,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	86	25	61	1,856,148	161,124	1,695,024	2.326%	4.000%	1.639%	2.213%	0.053%	2.418%
TX	2,002	1,665	337	21,523,196	5,759,696	15,763,500	1.149%	0.240%	5.638%	31.658%	0.653%	42.986%
UT	425	388	37	2,500,321	1,667,135	833,186	0.235%	0.258%	0.000%	0.001%	0.001%	0.000%
VA	182	71	111	2,391,215	30,317	2,360,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	442	409	33	432,954	181,790	251,164	0.452%	0.244%	3.030%	0.092%	0.169%	0.036%
WI	1,413	1,393	20	3,884,401	2,192,657	1,691,744	0.425%	0.431%	0.000%	0.569%	1.008%	0.000%
WV	342	196	146	1,366,817	206,226	1,160,591	3.216%	4.082%	2.055%	0.819%	0.828%	0.818%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	36,830	33,478	3,352	196,986,505	73,412,761	123,573,744	0.725%	0.221%	5.758%	10.641%	3.869%	14.665%

Table A55c. Simazine – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 4 µg/L			Percent of Systems with At Least One Detection > 4 µg/L			Population Served by Systems with At Least One Detection > 4 µg/L			Percent of Population Served with At Least One Detection > 4 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	7	2	5	0.870%	0.341%	2.283%	16,129	2,066	14,063	0.323%	0.395%	0.315%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.340%	0.000%	7.143%	2,671	0	2,671	0.274%	0.000%	0.386%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	2	0	2	0.172%	0.000%	1.961%	7,529	0	7,529	0.083%	0.000%	0.121%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	2	0	2	0.823%	0.000%	1.333%	3,409	0	3,409	0.074%	0.000%	0.080%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	1	1	0	0.068%	0.072%	0.000%	250	250	0	0.008%	0.015%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	0	1	0.042%	0.000%	0.730%	72,480	0	72,480	1.053%	0.000%	1.407%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	1	1	0	0.144%	0.152%	0.000%	92	92	0	0.006%	0.007%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	1	0	1	0.052%	0.000%	0.800%	20,599	0	20,599	0.201%	0.000%	0.290%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	16	4	12	0.043%	0.012%	0.358%	123,159	2,408	120,751	0.063%	0.003%	0.098%

Table A55d. Simazine – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 2 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	8	0	8	0.332%	0.000%	2.111%	487,920	0	487,920	1.398%	0.000%	2.225%
CO	8	3	5	0.994%	0.512%	2.283%	16,829	2,766	14,063	0.337%	0.528%	0.315%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	0	1	0.340%	0.000%	7.143%	2,671	0	2,671	0.274%	0.000%	0.386%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	5	0	5	0.431%	0.000%	4.902%	29,291	0	29,291	0.321%	0.000%	0.472%
IN	1	0	1	0.071%	0.000%	2.273%	1,350	0	1,350	0.028%	0.000%	0.058%
KY	3	0	3	1.235%	0.000%	2.000%	53,630	0	53,630	1.163%	0.000%	1.266%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	1	0	1	0.116%	0.000%	1.471%	8,453	0	8,453	0.172%	0.000%	0.211%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	1	1	0	0.068%	0.072%	0.000%	250	250	0	0.008%	0.015%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	0	1	0.042%	0.000%	0.730%	72,480	0	72,480	1.053%	0.000%	1.407%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	1	1	0	0.144%	0.152%	0.000%	92	92	0	0.006%	0.007%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	4	0	4	0.206%	0.000%	3.200%	56,064	0	56,064	0.548%	0.000%	0.790%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	34	5	29	0.092%	0.015%	0.865%	729,030	3,108	725,922	0.370%	0.004%	0.587%

Table A56. Styrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 100 µg/L	46,165	4	0.009%	86,392,838	1,310	0.002%
	≥ 50 µg/L	46,165	7	0.015%	86,392,838	1,651	0.002%
Surface Water	> 100 µg/L	4,256	0	0.000%	140,540,798	0	0.000%
	≥ 50 µg/L	4,256	0	0.000%	140,540,798	0	0.000%
Combined Ground & Surface Water	> 100 µg/L	50,421	4	0.008%	226,933,636	1,310	0.001%
	≥ 50 µg/L	50,421	7	0.014%	226,933,636	1,651	0.001%

Table A56a. Styrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,116	1,977	1,139	0.289%	0.152%	0.527%	0.2	0.2	0.23	0.54	0.27	0.875	1.98	0.54	1.98	1.98	0.54	1.98
AL	821	597	224	0.244%	0.335%	0.000%	0.53	0.53		5.215	5.215		9.9	9.9		9.9	9.9	
AR	2,393	1,926	467	0.125%	0.156%	0.000%	0.14	0.14		0.15	0.15		0.64	0.64		0.64	0.64	
AZ	11,698	9,531	2,167	0.060%	0.042%	0.138%	0.5	0.6	0.5	0.6	0.65	0.5	0.7	0.7	0.5	0.7	0.7	0.5
CA	85,452	45,203	40,249	0.037%	0.040%	0.035%	0.5	0.6	0.5	0.88	1.15	0.75	5.6	6	5.6	7.7	7.7	5.6
CO	2,864	2,125	739	0.908%	1.176%	0.135%	0.04	0.04	0.3	0.9	0.9	0.3	2	2	0.3	3.9	3.9	0.3
CT	6,938	6,047	891	0.043%	0.050%	0.000%	0.5	0.5		1.2	1.2		1.8	1.8		1.8	1.8	
DE	1,048	1,018	30	0.382%	0.393%	0.000%	0.95	0.95		1.285	1.285		2.76	2.76		2.76	2.76	
FL	4,146	4,078	68	0.362%	0.368%	0.000%	0.08	0.08		0.22	0.22		0.34	0.34		0.5	0.5	
GA	7,175	6,348	827	0.014%	0.016%	0.000%	0.85	0.85		0.85	0.85		0.85	0.85		0.85	0.85	
HI	1,789	1,686	103	0.000%	0.000%	0.000%												
IA	1,788	1,662	126	0.951%	0.963%	0.794%	0.3	0.3	0.9	1.4	8.2	0.9	31	31	0.9	33	33	0.9
ID	3,741	3,280	461	0.080%	0.091%	0.000%	0.5	0.5		6.4	6.4		500	500		500	500	
IL	7,012	6,452	560	0.157%	0.170%	0.000%	0.5	0.5		0.6	0.6		13.2	13.2		710	710	
IN	4,623	4,313	310	1.363%	1.461%	0.000%	0.5	0.5		2	2		8.7	8.7		24	24	
KY	3,306	1,123	2,183	0.514%	0.000%	0.779%	0.002		0.002	0.2		0.2	0.5		0.5	1		1
MA	16,249	12,259	3,990	0.062%	0.082%	0.000%	0.5	0.5		0.665	0.665		4.25	4.25		7.4	7.4	
MD	6,770	5,510	1,260	0.369%	0.454%	0.000%	0.5	0.5		0.5	0.5		9.4	9.4		21.6	21.6	
ME	3,689	3,374	315	0.434%	0.474%	0.000%	0.5	0.5		2.6	2.6		14	14		18.9	18.9	
MI	10,753	9,743	1,010	0.335%	0.349%	0.198%	0.5	0.5	0.6	0.8	0.8	1.05	3	3	1.5	10.7	10.7	1.5
MN	8,593	7,339	1,254	1.082%	1.022%	1.435%	0.5	0.5	0.5	2.2	2.5	0.95	20	21	3.5	96	96	9
MO	7,543	6,694	849	0.013%	0.015%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
MT	4,490	3,951	539	0.000%	0.000%	0.000%												
NC	19,061	17,483	1,578	0.310%	0.326%	0.127%	0.5	0.5	0.68	1.3	1.3	1.64	8.18	8.18	2.6	66.1	66.1	2.6
ND	552	417	135	0.906%	0.719%	1.481%	0.54	0.58	0.54	0.58	0.66	0.56	1.86	1.86	0.58	1.86	1.86	0.58
NE	6,838	6,262	576	0.000%	0.000%	0.000%												
NH	9,583	9,105	478	0.083%	0.088%	0.000%	0.5	0.5		1.4	1.4		10	10		10	10	
NJ	20,347	18,561	1,786	0.147%	0.162%	0.000%	0.2	0.2		0.79	0.79		10.835	10.835		235	235	
NM	6,573	6,097	476	0.015%	0.016%	0.000%	0.3	0.3		0.3	0.3		0.3	0.3		0.3	0.3	
NV	3,207	2,575	632	0.094%	0.078%	0.158%	0.2	0.2	0.55	0.55	1.25	0.55	2.3	2.3	0.55	2.3	2.3	0.55
NY	7,097	5,427	1,670	0.127%	0.111%	0.180%	0.5	0.5	0.5	0.5	0.55	0.5	9	9	1.3	9	9	1.3
OH	8,856	7,695	1,161	0.576%	0.650%	0.086%	0.55	0.55	1.1	1.63	1.635	1.1	9.87	10.935	1.1	108	108	1.1
OK	5,356	3,959	1,397	0.504%	0.505%	0.501%	0.4	0.4	0.5	0.98	1.165	0.6	11.4	6.81	18.8	18.8	11.4	18.8
OR	2,324	1,682	642	0.000%	0.000%	0.000%												
RI	1,959	1,591	368	0.051%	0.000%	0.272%	0.7		0.7	0.7		0.7	0.7		0.7	0.7		0.7
SC	4,207	3,725	482	0.024%	0.027%	0.000%	0.73	0.73		0.73	0.73		0.73	0.73		0.73	0.73	
SD	889	855	34	0.225%	0.234%	0.000%	0.24	0.24		0.425	0.425		0.61	0.61		0.61	0.61	
TN	2,936	1,163	1,773	0.034%	0.000%	0.056%	1.2		1.2	1.2		1.2	1.2		1.2	1.2		1.2
TX	34,145	27,041	7,104	0.082%	0.085%	0.070%	0.5	0.5	0.5	0.6	0.6	0.6	2.1	2.1	1.2	59	59	1.2
UT	8,970	7,549	1,421	0.045%	0.053%	0.000%	0.9	0.9		1.15	1.15		1.8	1.8		1.8	1.8	
VA	4,930	4,058	872	1.075%	1.207%	0.459%	0.5	0.5	0.6	0.9	0.9	1.05	1.8	1.8	2	4.3	4.3	2
VT	4,349	3,955	394	0.092%	0.101%	0.000%	0.6	0.6		0.75	0.75		0.97	0.97		0.97	0.97	
WI	11,294	11,169	125	0.832%	0.842%	0.000%	0.02	0.02		0.57	0.57		5.2	5.2		44	44	
WV	1,140	444	696	1.228%	2.477%	0.431%	0.11	0.11	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0.5	1
WY	1,659	1,156	503	0.060%	0.087%	0.000%	0.76	0.76		0.76	0.76		0.76	0.76		0.76	0.76	
Total	372,269	288,205	84,064	0.212%	0.242%	0.109%	0.002	0.02	0.002	0.885	0.9	0.69	7.5	8.1	2.6	710	710	18.8

Table A56b. Styrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.968%	0.422%	2.740%	1.634%	0.071%	2.607%
AL	263	202	61	4,218,278	1,123,190	3,095,088	0.760%	0.990%	0.000%	0.286%	1.073%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.661%	0.785%	0.000%	0.073%	0.196%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.378%	0.297%	2.083%	5.287%	0.932%	8.901%
CA	3,643	3,127	516	35,826,547	13,514,486	22,312,061	0.549%	0.384%	1.550%	3.714%	3.175%	4.041%
CO	826	605	221	4,997,841	530,207	4,467,634	2.785%	3.636%	0.452%	1.189%	1.463%	1.157%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.249%	0.257%	0.000%	0.018%	0.129%	0.000%
DE	318	315	3	698,987	417,587	281,400	0.314%	0.317%	0.000%	0.030%	0.050%	0.000%
FL	1,511	1,485	26	17,499,068	15,253,026	2,246,042	0.794%	0.808%	0.000%	1.003%	1.151%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.055%	0.059%	0.000%	0.001%	0.005%	0.000%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.852%	0.782%	3.030%	0.329%	0.314%	0.348%
ID	935	878	57	1,093,666	837,604	256,062	0.321%	0.342%	0.000%	0.014%	0.018%	0.000%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	0.630%	0.679%	0.000%	0.188%	0.575%	0.000%
IN	1,473	1,429	44	4,891,163	2,571,427	2,319,736	1.969%	2.029%	0.000%	0.502%	0.954%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	4.564%	0.000%	7.383%	10.587%	0.000%	11.527%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.975%	1.167%	0.000%	0.034%	0.166%	0.000%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	1.328%	1.420%	0.000%	0.493%	2.417%	0.000%
ME	810	757	53	728,347	292,773	435,574	0.741%	0.793%	0.000%	0.160%	0.399%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	1.009%	0.962%	3.279%	0.705%	0.950%	0.611%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	3.161%	2.448%	40.000%	20.831%	6.020%	56.515%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.071%	0.075%	0.000%	0.043%	0.077%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	1.817%	1.840%	1.439%	1.424%	2.355%	1.118%
ND	210	183	27	562,397	257,172	305,225	2.381%	1.639%	7.407%	0.891%	0.407%	1.299%
NE	771	760	11	1,462,181	685,701	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	0.477%	0.493%	0.000%	2.096%	4.983%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	1.288%	1.323%	0.000%	0.048%	0.138%	0.000%
NM	727	688	39	1,698,980	1,432,432	266,548	0.138%	0.145%	0.000%	0.012%	0.015%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.888%	0.631%	4.762%	35.542%	4.110%	48.467%
NY	1,524	1,288	236	4,893,449	1,042,847	3,850,602	0.525%	0.388%	1.271%	0.107%	0.424%	0.021%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	1.492%	1.539%	0.800%	0.096%	0.220%	0.041%
OK	718	506	212	3,119,686	660,832	2,458,854	3.621%	3.755%	3.302%	2.712%	9.542%	0.877%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.690%	0.000%	11.111%	5.553%	0.000%	6.858%
SC	819	757	62	3,356,831	732,879	2,623,952	0.122%	0.132%	0.000%	0.001%	0.006%	0.000%
SD	245	233	12	266,416	194,218	72,198	0.816%	0.858%	0.000%	0.077%	0.106%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.285%	0.000%	0.529%	0.026%	0.000%	0.035%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.444%	0.456%	0.292%	5.163%	13.847%	0.058%
UT	500	454	46	2,553,197	1,698,877	854,320	0.600%	0.661%	0.000%	4.168%	6.264%	0.000%
VA	1,600	1,429	171	5,273,258	630,675	4,642,583	2.500%	2.589%	1.754%	1.356%	2.261%	1.233%
VT	603	560	43	491,035	227,067	263,968	0.663%	0.714%	0.000%	0.063%	0.135%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	3.139%	3.175%	0.000%	3.254%	5.599%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.474%	4.527%	1.875%	2.193%	1.018%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.329%	0.391%	0.000%	0.016%	0.056%	0.000%
Total	50,421	46,165	4,256	226,933,636	86,392,838	140,540,798	1.047%	1.003%	1.527%	2.506%	3.038%	2.179%

Table A56c. Styrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 100 µg/L			Percent of Systems with At Least One Detection > 100 µg/L			Population Served by Systems with At Least One Detection > 100 µg/L			Percent of Population Served with At Least One Detection > 100 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	1	1	0	0.107%	0.114%	0.000%	60	60	0	0.005%	0.007%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	200	200	0	0.002%	0.007%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	1	1	0	0.072%	0.073%	0.000%	400	400	0	0.005%	0.015%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	1	1	0	0.051%	0.055%	0.000%	650	650	0	0.006%	0.021%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	4	4	0	0.008%	0.009%	0.000%	1,310	1,310	0	0.001%	0.002%	0.000%



Table A56d. Styrene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 50 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 50 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 50 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 50 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	1	1	0	0.107%	0.114%	0.000%	60	60	0	0.005%	0.007%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	200	200	0	0.002%	0.007%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	1	1	0	0.063%	0.064%	0.000%	25	25	0	0.001%	0.001%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	40	40	0	0.001%	0.002%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	1	1	0	0.072%	0.073%	0.000%	400	400	0	0.005%	0.015%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	1	1	0	0.051%	0.055%	0.000%	650	650	0	0.006%	0.021%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	1	1	0	0.020%	0.022%	0.000%	276	276	0	0.001%	0.003%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	7	7	0	0.014%	0.015%	0.000%	1,651	1,651	0	0.001%	0.002%	0.000%

Table A57. 2,3,7,8-TCDD (Dioxin) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.00003 µg/L	1,956	1	0.051%	16,399,032	7,100	0.043%
	≥ 0.000015 µg/L	1,956	2	0.102%	16,399,032	7,226	0.044%
Surface Water	> 0.00003 µg/L	427	0	0.000%	36,455,413	0	0.000%
	≥ 0.000015 µg/L	427	1	0.234%	36,455,413	2,400	0.007%
Combined Ground & Surface Water	> 0.00003 µg/L	2,383	1	0.042%	52,854,445	7,100	0.013%
	≥ 0.000015 µg/L	2,383	3	0.126%	52,854,445	9,626	0.018%

Table A57a. 2,3,7,8-TCDD (Dioxin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	23	12	11	0.000%	0.000%	0.000%												
AL	1	0	1	100.000%	0.000%	100.000%	0.00003		0.00003	0.00003		0.00003	0.00003		0.00003	0.00003		0.00003
AR																		
AZ	3,059	2,073	986	0.425%	0.241%	0.811%	1E-06	3E-06	1E-06	4E-06	5E-06	3.5E-06	5E-06	0.00001	5E-06	0.00001	0.00001	5E-06
CA	5,187	2,558	2,629	0.058%	0.078%	0.038%	3E-06	0.00001	3E-06	0.00001	9.4E-05	3E-06	0.00018	0.00018	3E-06	0.00018	0.00018	3E-06
CO	58	48	10	0.000%	0.000%	0.000%												
CT	3	3	0	0.000%	0.000%	0.000%												
DE																		
FL	187	146	41	0.000%	0.000%	0.000%												
GA	5	5	0	0.000%	0.000%	0.000%												
HI																		
IA																		
ID	2	2	0	50.000%	50.000%	0.000%	5E-06	5E-06		5E-06	5E-06		5E-06	5E-06		5E-06	5E-06	
IL																		
IN	170	55	115	0.000%	0.000%	0.000%												
KY	77	5	72	0.000%	0.000%	0.000%												
MA	1	0	1	0.000%	0.000%	0.000%												
MD	83	4	79	0.000%	0.000%	0.000%												
ME																		
MI																		
MN																		
MO																		
MT	922	832	90	0.000%	0.000%	0.000%												
NC	26	7	19	0.000%	0.000%	0.000%												
ND	2	1	1	0.000%	0.000%	0.000%												
NE	11	11	0	0.000%	0.000%	0.000%												
NH																		
NJ																		
NM	4	2	2	0.000%	0.000%	0.000%												
NV	958	553	405	0.104%	0.181%	0.000%	2.5E-05	2.5E-05		2.5E-05	2.5E-05		2.5E-05	2.5E-05		2.5E-05	2.5E-05	
NY	79	12	67	0.000%	0.000%	0.000%												
OH	39	21	18	0.000%	0.000%	0.000%												
OK																		
OR	5	2	3	0.000%	0.000%	0.000%												
RI																		
SC																		
SD																		
TN	10	2	8	0.000%	0.000%	0.000%												
TX																		
UT	15	8	7	0.000%	0.000%	0.000%												
VA																		
VT	10	9	1	0.000%	0.000%	0.000%												
WI	128	69	59	0.781%	1.449%	0.000%	2E-06	2E-06		2E-06	2E-06		2E-06	2E-06		2E-06	2E-06	
WV																		
WY	11	5	6	0.000%	0.000%	0.000%												
Total	11,076	6,445	4,631	0.181%	0.155%	0.216%	1E-06	2E-06	1E-06	5E-06	5E-06	3.5E-06	2.8E-05	0.0001	1.8E-05	0.00018	0.00018	0.00003

Table A57b. 2,3,7,8-TCDD (Dioxin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	6	5	1	19,333	13,461	5,872	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	1	0	1	2,400	0	2,400	100.000%	0.000%	100.000%	100.000%	0.000%	100.000%
AR												
AZ	598	552	46	5,381,098	2,011,562	3,369,536	1.672%	0.725%	13.043%	5.280%	1.338%	7.634%
CA	595	431	164	24,075,352	7,031,578	17,043,774	0.504%	0.464%	0.610%	0.085%	0.101%	0.078%
CO	35	27	8	1,936,985	61,912	1,875,073	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	2	2	0	520	520	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
DE												
FL	104	88	16	7,701,758	5,634,110	2,067,648	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
GA	4	4	0	27,571	27,571	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA												
ID	2	2	0	1,254	1,254	0	50.000%	50.000%	0.000%	20.175%	20.175%	0.000%
IL												
IN	86	43	43	2,343,633	26,697	2,316,936	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	29	5	24	2,094,576	27,456	2,067,120	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MA	1	0	1	37,615	0	37,615	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MD	7	3	4	1,824,735	68	1,824,667	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ME												
MI												
MN												
MO												
MT	605	557	48	685,741	309,762	375,979	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	12	7	5	837,285	69,714	767,571	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ND	2	1	1	13,483	11,700	1,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	6	6	0	12,822	12,822	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH												
NJ												
NM	3	2	1	3,897	3,347	550	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	146	127	19	806,913	126,427	680,486	0.685%	0.787%	0.000%	0.016%	0.100%	0.000%
NY	17	8	9	506,453	18,987	487,466	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OH	20	12	8	1,086,855	69,630	1,017,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	3	1	2	67,955	75	67,880	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI												
SC												
SD												
TN	5	2	3	1,167,103	721,882	445,221	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX												
UT	6	4	2	188,815	31,155	157,660	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA												
VT	10	9	1	76,237	7,314	68,923	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WI	71	54	17	1,821,983	179,333	1,642,650	1.408%	1.852%	0.000%	0.007%	0.075%	0.000%
WV												
WY	7	4	3	132,073	695	131,378	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	2,383	1,956	427	52,854,445	16,399,032	36,455,413	0.713%	0.460%	1.874%	0.582%	0.211%	0.749%

Table A57c. 2,3,7,8-TCDD (Dioxin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Table A57c. 2,3,7,8-TCDD (Dioxin) – Summary of Stage 1 (Peak) Analyses of Any Detections > 0.00003 µg/L (Single detections > 0.00003 µg/L are not necessarily MCL violations)												
State	Number of Systems with At Least One Detection > 0.00003 µg/L			Percent of Systems with At Least One Detection > 0.00003 µg/L			Population Served by Systems with At Least One Detection > 0.00003 µg/L			Percent of Population Served with At Least One Detection > 0.00003 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR												
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.168%	0.232%	0.000%	7,100	7,100	0	0.029%	0.101%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE												
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA												
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL												
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME												
MI												
MN												
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH												
NJ												
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI												
SC												
SD												
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA												
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV												
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	1	0	0.042%	0.051%	0.000%	7,100	7,100	0	0.013%	0.043%	0.000%

Table A57d. 2,3,7,8-TCDD (Dioxin – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Table A57d. 2,3,7,8-TCDD (Dioxin) – Summary of Stage 1 (Peak) Analyses of Any Detections $\geq 0.000015 \mu\text{g/L}$ (Single detections $\geq 0.000015 \mu\text{g/L}$ are not necessarily MCL violations)												
State	Number of Systems with At Least One Detection $\geq 0.000015 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 0.000015 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 0.000015 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 0.000015 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	0	1	100.000%	0.000%	100.000%	2,400	0	2,400	100.000%	0.000%	100.000%
AR												
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.168%	0.232%	0.000%	7,100	7,100	0	0.029%	0.101%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE												
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA												
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL												
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME												
MI												
MN												
MO												
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH												
NJ												
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	1	0	0.685%	0.787%	0.000%	126	126	0	0.016%	0.100%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI												
SC												
SD												
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX												
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA												
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV												
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	3	2	1	0.126%	0.102%	0.234%	9,626	7,226	2,400	0.018%	0.044%	0.007%

Table A58. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 µg/L	46,180	185	0.401%	86,396,173	3,823,729	4.426%
	≥ 2.5 µg/L	46,180	331	0.717%	86,396,173	6,157,866	7.127%
	≥ 1 µg/L	46,180	615	1.332%	86,396,173	10,479,911	12.130%
	> 0.5 µg/L	46,180	915	1.981%	86,396,173	12,472,505	14.436%
Surface Water	> 5 µg/L	4,256	56	1.316%	140,612,382	10,814,217	7.691%
	≥ 2.5 µg/L	4,256	73	1.715%	140,612,382	11,524,206	8.196%
	≥ 1 µg/L	4,256	118	2.773%	140,612,382	15,318,905	10.894%
	> 0.5 µg/L	4,256	148	3.477%	140,612,382	17,083,237	12.149%
Combined Ground & Surface Water	> 5 µg/L	50,436	241	0.478%	227,008,555	14,637,946	6.448%
	≥ 2.5 µg/L	50,436	404	0.801%	227,008,555	17,682,072	7.789%
	≥ 1 µg/L	50,436	733	1.453%	227,008,555	25,798,816	11.365%
	> 0.5 µg/L	50,436	1,063	2.108%	227,008,555	29,555,742	13.020%

Table A58a. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,128	1,977	1,151	0.863%	0.556%	1.390%	0.29	0.29	0.3	0.95	0.76	1.11	4.04	3.3	4.04	9.54	5	9.54
AL	1,092	736	356	30.769%	22.962%	46.910%	0.5	0.5	0.5	1.7	1.54	1.82	6.18	4.8	9.3	43.1	15.5	43.1
AR	2,393	1,926	467	1.421%	1.765%	0.000%	0.19	0.19		0.55	0.55		1.09	1.09		1.84	1.84	
AZ	12,720	9,662	3,058	2.956%	3.353%	1.700%	0.5	0.5	0.5	1.2	1.3	0.79	10	11	1.5	17	17	2.1
CA	117,322	62,663	54,659	21.784%	21.979%	21.559%	0.05	0.05	0.49	2	2.2	1.7	9.5	7.4	14	177	177	88
CO	2,895	2,155	740	1.244%	1.578%	0.270%	0.33	0.33	1	1.3	1.3	1	2.1	2.1	1	2.6	2.6	1
CT	6,983	6,073	910	5.385%	4.034%	14.396%	0.08	0.08	0.6	1.5	1	2.8	13.3	7.1	28	47.1	47.1	42
DE	1,050	1,020	30	1.048%	0.882%	6.667%	0.68	0.68	1.65	1.42	1.36	3.955	6.26	14.6	6.26	14.6	14.6	6.26
FL	4,152	4,084	68	7.948%	8.080%	0.000%	0.03	0.03		0.52	0.52		1.405	1.405		5.1	5.1	
GA	7,174	6,347	827	1.101%	1.197%	0.363%	0.5	0.5	0.5	0.72	0.735	0.52	2.3	2.3	0.64	3.1	3.1	0.64
HI	1,789	1,686	103	0.000%	0.000%	0.000%												
IA	1,923	1,796	127	4.420%	4.621%	1.575%	0.5	0.5	0.6	1.9	1.9	1.75	4.6	4.6	2.9	16.19	16.19	2.9
ID	3,794	3,329	465	4.692%	4.266%	7.742%	0.3	0.3	0.5	0.8	0.8	1.35	3.4	1.8	6.3	9.6	9.6	8.5
IL	7,054	6,485	569	2.566%	2.791%	0.000%	0.5	0.5		1.12	1.12		3.68	3.68		6.4	6.4	
IN	4,625	4,315	310	1.016%	1.089%	0.000%	0.5	0.5		2.2	2.2		6.8	6.8		47	47	
KY	3,315	1,130	2,185	0.814%	1.416%	0.503%	0.001	0.4	0.001	0.6	0.65	0.5	7	2	7	23	23	23
MA	19,988	15,236	4,752	14.599%	15.522%	11.637%	0.2	0.2	0.5	1	1	1	2.9	2.4	5	34	34	25
MD	6,776	5,514	1,262	3.143%	3.845%	0.079%	0.4	0.4	0.9	1.9	1.9	0.9	5.1	5.1	0.9	45	45	0.9
ME	3,689	3,374	315	0.623%	0.622%	0.635%	0.5	0.5	1.4	0.9	0.88	1.5	1.9	1.9	1.6	17	17	1.6
MI	10,752	9,742	1,010	1.479%	1.632%	0.000%	0.4	0.4		0.9	0.9		3.1	3.1		10.8	10.8	
MN	8,592	7,342	1,250	1.734%	1.920%	0.640%	0.2	0.2	0.2	0.5	0.5	0.3	2.2	2.2	0.8	16	16	0.8
MO	7,543	6,694	849	2.174%	2.435%	0.118%	0.51	0.51	3.6	1.67	1.67	3.6	3.3	3.2	3.6	14.3	14.3	3.6
MT	4,496	3,957	539	0.601%	0.607%	0.557%	0.36	0.36	0.61	0.79	0.775	0.8	2.3	1.7	2.9	2.9	2.31	2.9
NC	19,066	17,487	1,579	1.295%	1.407%	0.063%	0.5	0.5	0.9	1.1	1.1	0.9	2.5	2.5	0.9	9.52	9.52	0.9
ND	558	417	141	2.867%	1.679%	6.383%	0.57	0.57	1.03	2	1.08	3.89	6.2	1.7	8.16	8.16	1.7	8.16
NE	6,837	6,261	576	1.858%	2.028%	0.000%	0.27	0.27		1.31	1.31		7.1	7.1		13	13	
NH	9,587	9,109	478	0.970%	1.010%	0.209%	0.28	0.28	2.6	1.1	1.1	2.6	11	11	2.6	45	45	2.6
NJ	20,347	18,562	1,785	3.313%	3.356%	2.857%	0.1	0.13	0.1	0.6	0.6	0.5	1.53	1.6	0.72	141.5	141.5	2.1
NM	6,574	6,098	476	2.784%	2.870%	1.681%	0.1	0.1	0.26	1.3	1.2	8.45	4.88	4.56	16.7	45.01	45.01	16.7
NV	3,270	2,586	684	5.719%	0.889%	23.977%	0.2	0.5	0.2	8.5	1.05	9.815	18.4	5.9	19	33.1	9.3	33.1
NY	7,094	5,426	1,668	3.496%	1.788%	9.053%	0.5	0.5	0.5	5.1	8.2	3.2	24.2	32	16.5	38	38	25.8
OH	8,850	7,689	1,161	2.508%	2.874%	0.086%	0.5	0.5	1.36	1.1	1.1	1.36	2.56	2.56	1.36	14.16	14.16	1.36
OK	5,634	4,199	1,435	0.728%	0.953%	0.070%	0.4	0.4	1.8	0.7	0.7	1.8	4.5	5.75	1.8	23	23	1.8
OR	2,334	1,691	643	2.614%	3.548%	0.156%	0.53	0.53	1.3	2	2	1.3	5.4	5.6	1.3	8.43	8.43	1.3
RI	1,959	1,591	368	2.450%	2.577%	1.902%	0.5	0.5	0.5	0.9	0.9	0.7	2	2	0.9	2.5	2.5	0.9
SC	4,344	3,805	539	2.187%	2.392%	0.742%	0.3	0.3	0.69	1.19	1.19	1.555	4.87	4.87	2.66	12.7	12.7	2.66
SD	889	855	34	1.800%	1.871%	0.000%	0.5	0.5		0.695	0.695		1.68	1.68		2.29	2.29	
TN	2,939	1,165	1,774	2.416%	1.459%	3.044%	0.54	0.6	0.54	0.9	0.8	0.9	2	2.2	2	17	2.5	17
TX	34,158	27,054	7,104	0.632%	0.780%	0.070%	0.5	0.5	0.6	0.8	0.8	0.7	2.5	2.5	6.1	13	13	6.1
UT	8,989	7,561	1,428	0.667%	0.661%	0.700%	0.6	0.7	0.6	3.65	6.65	1.3	21.6	21.6	3.75	21.6	21.6	3.9
VA	4,893	4,025	868	1.655%	1.988%	0.115%	0.5	0.5	2.8	1.6	1.6	2.8	7	7.05	2.8	24	24	2.8
VT	4,343	3,952	391	2.763%	3.036%	0.000%	0.23	0.23		0.95	0.95		4.45	4.45		9	9	
WI	11,299	11,174	125	5.638%	5.611%	8.000%	0.01	0.01	0.22	0.99	1	0.455	3.3	3.3	0.92	16	16	0.95
WV	1,173	472	701	2.046%	4.025%	0.713%	0.1	0.1	0.3	0.5	0.5	0.5	1	1.3	1	1.37	1.37	1
WY	1,660	1,157	503	0.723%	0.778%	0.596%	0.56	0.56	0.6	1	1	1.2	2	2.01	1.9	2.01	2.01	1.9
Total	410,042	309,579	100,463	8.490%	6.961%	13.200%	0.001	0.01	0.001	1.6	1.6	1.6	8.5	6.5	14	177	177	88



Table A58b. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.968%	0.844%	1.370%	36.994%	0.853%	59.494%
AL	264	202	62	4,231,003	1,123,190	3,107,813	9.091%	7.921%	12.903%	20.375%	23.612%	19.205%
AR	454	382	72	2,453,348	910,322	1,543,026	1.542%	1.832%	0.000%	1.403%	3.780%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	2.833%	2.671%	6.250%	29.125%	31.867%	26.850%
CA	3,657	3,141	516	35,889,084	13,517,016	22,372,068	6.043%	5.126%	11.628%	43.506%	32.570%	50.112%
CO	826	605	221	4,997,841	530,207	4,467,634	1.695%	1.983%	0.905%	1.416%	12.977%	0.044%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	4.225%	3.853%	15.385%	11.989%	14.457%	11.577%
DE	319	316	3	699,787	418,387	281,400	2.194%	1.899%	33.333%	7.728%	4.291%	12.839%
FL	1,509	1,483	26	17,495,514	15,249,472	2,246,042	0.729%	0.742%	0.000%	3.878%	4.450%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.823%	0.821%	0.862%	0.774%	0.696%	0.795%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	1.705%	1.564%	6.061%	11.839%	13.903%	9.168%
ID	935	878	57	1,093,666	837,604	256,062	2.781%	2.506%	7.018%	25.094%	9.938%	74.670%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	1.610%	1.736%	0.000%	3.374%	10.309%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	1.357%	1.399%	0.000%	5.387%	10.246%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	6.224%	5.435%	6.711%	9.113%	3.644%	9.599%
MA	718	600	118	8,557,325	1,749,901	6,807,424	12.953%	12.000%	17.797%	14.611%	44.536%	6.918%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	2.941%	3.043%	1.471%	6.629%	32.102%	0.096%
ME	810	757	53	728,347	292,773	435,574	1.111%	0.925%	3.774%	1.333%	1.459%	1.249%
MI	2,973	2,912	61	7,158,313	1,978,457	5,179,856	1.043%	1.065%	0.000%	1.116%	4.039%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	2.718%	2.384%	20.000%	9.550%	12.596%	2.212%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.847%	0.821%	1.299%	0.929%	1.505%	0.187%
MT	848	788	60	757,949	365,280	392,669	1.179%	1.015%	3.333%	15.683%	21.455%	10.315%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	2.535%	2.648%	0.719%	1.266%	4.930%	0.060%
ND	210	183	27	562,397	257,172	305,225	1.905%	1.639%	3.704%	2.342%	2.467%	2.236%
NE	771	760	11	1,462,181	685,701	776,480	2.464%	2.500%	0.000%	9.203%	19.624%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	2.305%	2.301%	2.439%	7.856%	11.664%	5.093%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	7.654%	7.421%	16.216%	29.098%	30.068%	28.576%
NM	727	688	39	1,698,980	1,432,432	266,548	3.576%	3.488%	5.128%	41.846%	49.062%	3.064%
NV	338	317	21	973,592	283,701	689,891	2.959%	2.208%	14.286%	36.481%	6.842%	48.670%
NY	1,522	1,286	236	4,894,720	1,044,118	3,850,602	1.445%	1.477%	1.271%	6.635%	5.125%	7.045%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	1.492%	1.539%	0.800%	1.296%	4.023%	0.092%
OK	730	518	212	3,123,687	664,833	2,458,854	1.233%	1.544%	0.472%	2.594%	8.858%	0.901%
OR	1,097	945	152	2,940,119	574,689	2,365,430	1.550%	1.693%	0.658%	1.851%	8.688%	0.190%
RI	145	136	9	913,884	173,906	739,978	4.138%	3.676%	11.111%	12.189%	4.301%	14.043%
SC	819	757	62	3,356,831	732,879	2,623,952	2.808%	2.906%	1.613%	1.190%	4.039%	0.394%
SD	245	233	12	266,416	194,218	72,198	1.633%	1.717%	0.000%	7.503%	10.293%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	2.564%	2.469%	2.646%	3.794%	6.451%	2.873%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.727%	0.716%	0.877%	9.994%	17.309%	5.694%
UT	500	454	46	2,553,197	1,698,877	854,320	1.800%	1.762%	2.174%	20.974%	13.157%	36.520%
VA	1,589	1,419	170	5,269,764	628,329	4,641,435	1.259%	1.339%	0.588%	0.141%	1.177%	0.001%
VT	603	560	43	491,035	227,067	263,968	2.819%	3.036%	0.000%	1.220%	2.639%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	3.643%	3.571%	10.000%	17.882%	28.502%	3.142%
WV	403	243	160	1,416,020	237,670	1,178,350	4.963%	6.584%	2.500%	3.186%	6.878%	2.441%
WY	304	256	48	446,177	129,229	316,948	1.316%	1.172%	2.083%	0.203%	0.391%	0.126%
Total	50,436	46,180	4,256	227,008,555	86,396,173	140,612,382	2.502%	2.362%	4.018%	14.076%	15.923%	12.940%

Table A58c. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 µg/L			Percent of Systems with At Least One Detection > 5 µg/L			Population Served by Systems with At Least One Detection > 5 µg/L			Percent of Population Served with At Least One Detection > 5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	0	1	0.161%	0.000%	0.685%	60	0	60	0.010%	0.000%	0.016%
AL	8	3	5	3.030%	1.485%	8.065%	563,685	31,322	532,363	13.323%	2.789%	17.130%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	6	6	0	0.567%	0.593%	0.000%	53,295	53,295	0	0.864%	1.906%	0.000%
CA	88	58	30	2.406%	1.847%	5.814%	11,244,688	2,364,769	8,879,919	31.332%	17.495%	39.692%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	15	12	3	1.243%	1.027%	7.692%	160,099	9,872	150,227	5.879%	2.535%	6.437%
DE	2	1	1	0.627%	0.316%	33.333%	45,331	9,201	36,130	6.478%	2.199%	12.839%
FL	1	1	0	0.066%	0.067%	0.000%	315,516	315,516	0	1.803%	2.069%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	3	3	0	0.284%	0.293%	0.000%	2,330	2,330	0	0.092%	0.162%	0.000%
ID	3	2	1	0.321%	0.228%	1.754%	196,565	10,565	186,000	17.973%	1.261%	72.639%
IL	3	3	0	0.210%	0.226%	0.000%	39,517	39,517	0	0.429%	1.310%	0.000%
IN	3	3	0	0.204%	0.210%	0.000%	15,270	15,270	0	0.312%	0.594%	0.000%
KY	3	1	2	1.245%	1.087%	1.342%	195	100	95	0.004%	0.027%	0.002%
MA	20	13	7	2.786%	2.167%	5.932%	439,709	222,107	217,602	5.138%	12.693%	3.197%
MD	6	6	0	0.569%	0.609%	0.000%	25,570	25,570	0	0.509%	2.494%	0.000%
ME	1	1	0	0.123%	0.132%	0.000%	155	155	0	0.021%	0.053%	0.000%
MI	2	2	0	0.067%	0.069%	0.000%	3,145	3,145	0	0.044%	0.159%	0.000%
MN	4	4	0	0.253%	0.258%	0.000%	50,911	50,911	0	1.195%	1.691%	0.000%
MO	1	1	0	0.071%	0.075%	0.000%	500	500	0	0.017%	0.030%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	3	0	0.127%	0.135%	0.000%	1,610	1,610	0	0.023%	0.093%	0.000%
ND	1	0	1	0.476%	0.000%	3.704%	6,826	0	6,826	1.214%	0.000%	2.236%
NE	8	8	0	1.038%	1.053%	0.000%	61,022	61,022	0	4.173%	8.899%	0.000%
NH	6	6	0	0.477%	0.493%	0.000%	2,280	2,280	0	0.240%	0.571%	0.000%
NJ	10	10	0	0.715%	0.735%	0.000%	223,585	223,585	0	2.886%	8.243%	0.000%
NM	3	2	1	0.413%	0.291%	2.564%	93,085	84,948	8,137	5.479%	5.930%	3.053%
NV	3	2	1	0.888%	0.631%	4.762%	352,410	18,040	334,370	36.197%	6.359%	48.467%
NY	5	4	1	0.329%	0.311%	0.424%	294,555	23,605	270,950	6.018%	2.261%	7.037%
OH	2	2	0	0.103%	0.110%	0.000%	185	185	0	0.002%	0.006%	0.000%
OK	2	2	0	0.274%	0.386%	0.000%	41,408	41,408	0	1.326%	6.228%	0.000%
OR	4	4	0	0.365%	0.423%	0.000%	17,110	17,110	0	0.582%	2.977%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	4	4	0	0.488%	0.528%	0.000%	5,800	5,800	0	0.173%	0.791%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	0	1	0.285%	0.000%	0.529%	6,597	0	6,597	0.116%	0.000%	0.156%
TX	3	2	1	0.061%	0.043%	0.292%	185,225	284	184,941	0.738%	0.003%	1.169%
UT	5	5	0	1.000%	1.101%	0.000%	105,470	105,470	0	4.131%	6.208%	0.000%
VA	3	3	0	0.189%	0.211%	0.000%	598	598	0	0.011%	0.095%	0.000%
VT	3	3	0	0.498%	0.536%	0.000%	1,453	1,453	0	0.296%	0.640%	0.000%
WI	5	5	0	0.280%	0.283%	0.000%	82,186	82,186	0	2.035%	3.501%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	241	185	56	0.478%	0.401%	1.316%	14,637,946	3,823,729	10,814,217	6.448%	4.426%	7.691%

Table A58d. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3	2	1	0.484%	0.422%	0.685%	600	540	60	0.099%	0.232%	0.016%
AL	10	5	5	3.788%	2.475%	8.065%	614,286	81,923	532,363	14.519%	7.294%	17.130%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	10	10	0	0.944%	0.989%	0.000%	54,081	54,081	0	0.877%	1.934%	0.000%
CA	113	79	34	3.090%	2.515%	6.589%	12,172,668	3,078,916	9,093,752	33.917%	22.778%	40.648%
CO	1	1	0	0.121%	0.165%	0.000%	175	175	0	0.004%	0.033%	0.000%
CT	23	19	4	1.906%	1.627%	10.256%	178,184	25,450	152,734	6.543%	6.535%	6.544%
DE	2	1	1	0.627%	0.316%	33.333%	45,331	9,201	36,130	6.478%	2.199%	12.839%
FL	3	3	0	0.199%	0.202%	0.000%	346,855	346,855	0	1.983%	2.275%	0.000%
GA	2	2	0	0.110%	0.117%	0.000%	7,176	7,176	0	0.096%	0.451%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	7	6	1	0.663%	0.587%	3.030%	21,527	4,913	16,614	0.846%	0.342%	1.499%
ID	4	2	2	0.428%	0.228%	3.509%	196,730	10,565	186,165	17.988%	1.261%	72.703%
IL	10	10	0	0.700%	0.755%	0.000%	263,476	263,476	0	2.858%	8.733%	0.000%
IN	7	7	0	0.475%	0.490%	0.000%	20,126	20,126	0	0.411%	0.783%	0.000%
KY	3	1	2	1.245%	1.087%	1.342%	195	100	95	0.004%	0.027%	0.002%
MA	41	30	11	5.710%	5.000%	9.322%	761,818	458,661	303,157	8.903%	26.211%	4.453%
MD	11	11	0	1.044%	1.116%	0.000%	276,396	276,396	0	5.502%	26.958%	0.000%
ME	1	1	0	0.123%	0.132%	0.000%	155	155	0	0.021%	0.053%	0.000%
MI	7	7	0	0.235%	0.240%	0.000%	11,590	11,590	0	0.162%	0.586%	0.000%
MN	6	6	0	0.379%	0.387%	0.000%	53,074	53,074	0	1.246%	1.763%	0.000%
MO	5	4	1	0.353%	0.299%	1.299%	7,834	5,371	2,463	0.261%	0.318%	0.187%
MT	1	0	1	0.118%	0.000%	1.667%	38,477	0	38,477	5.076%	0.000%	9.799%
NC	11	11	0	0.465%	0.494%	0.000%	12,093	12,093	0	0.173%	0.698%	0.000%
ND	1	0	1	0.476%	0.000%	3.704%	6,826	0	6,826	1.214%	0.000%	2.236%
NE	13	13	0	1.686%	1.711%	0.000%	124,220	124,220	0	8.496%	18.116%	0.000%
NH	9	8	1	0.715%	0.657%	2.439%	30,444	2,444	28,000	3.209%	0.613%	5.093%
NJ	18	18	0	1.288%	1.323%	0.000%	279,330	279,330	0	3.605%	10.298%	0.000%
NM	4	3	1	0.550%	0.436%	2.564%	93,120	84,983	8,137	5.481%	5.933%	3.053%
NV	3	2	1	0.888%	0.631%	4.762%	352,410	18,040	334,370	36.197%	6.359%	48.467%
NY	7	6	1	0.460%	0.467%	0.424%	294,635	23,685	270,950	6.019%	2.268%	7.037%
OH	8	8	0	0.412%	0.440%	0.000%	6,857	6,857	0	0.067%	0.219%	0.000%
OK	2	2	0	0.274%	0.386%	0.000%	41,408	41,408	0	1.326%	6.228%	0.000%
OR	7	7	0	0.638%	0.741%	0.000%	48,240	48,240	0	1.641%	8.394%	0.000%
RI	1	1	0	0.690%	0.735%	0.000%	60	60	0	0.007%	0.035%	0.000%
SC	5	4	1	0.611%	0.528%	1.613%	16,150	5,800	10,350	0.481%	0.791%	0.394%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	2	1	1	0.570%	0.617%	0.529%	11,891	5,294	6,597	0.209%	0.362%	0.156%
TX	10	9	1	0.202%	0.195%	0.292%	486,437	301,496	184,941	1.937%	3.243%	1.169%
UT	6	5	1	1.200%	1.101%	2.174%	417,470	105,470	312,000	16.351%	6.208%	36.520%
VA	7	6	1	0.441%	0.423%	0.588%	1,285	1,260	25	0.024%	0.201%	0.001%
VT	5	5	0	0.829%	0.893%	0.000%	2,425	2,425	0	0.494%	1.068%	0.000%
WI	15	15	0	0.841%	0.850%	0.000%	386,017	386,017	0	9.556%	16.442%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	404	331	73	0.801%	0.717%	1.715%	17,682,072	6,157,866	11,524,206	7.789%	7.127%	8.196%

Table A58e. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 1 µg/L			Percent of Systems with At Least One Detection ≥ 1 µg/L			Population Served by Systems with At Least One Detection ≥ 1 µg/L			Percent of Population Served with At Least One Detection ≥ 1 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	4	2	2	0.645%	0.422%	1.370%	222,811	540	222,271	36.756%	0.232%	59.494%
AL	16	11	5	6.061%	5.446%	8.065%	748,146	215,783	532,363	17.682%	19.212%	17.130%
AR	1	1	0	0.220%	0.262%	0.000%	19,465	19,465	0	0.793%	2.138%	0.000%
AZ	18	16	2	1.700%	1.583%	4.167%	1,366,960	761,960	605,000	22.166%	27.249%	17.949%
CA	171	120	51	4.676%	3.820%	9.884%	14,825,825	3,871,181	10,954,644	41.310%	28.639%	48.966%
CO	5	3	2	0.605%	0.496%	0.905%	42,236	40,256	1,980	0.845%	7.593%	0.044%
CT	33	28	5	2.734%	2.397%	12.821%	273,620	43,684	229,936	10.047%	11.217%	9.852%
DE	6	5	1	1.881%	1.582%	33.333%	53,281	17,151	36,130	7.614%	4.099%	12.839%
FL	5	5	0	0.331%	0.337%	0.000%	547,143	547,143	0	3.127%	3.588%	0.000%
GA	4	4	0	0.220%	0.234%	0.000%	8,127	8,127	0	0.109%	0.510%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	12	11	1	1.136%	1.075%	3.030%	98,355	81,741	16,614	3.867%	5.698%	1.499%
ID	16	13	3	1.711%	1.481%	5.263%	263,947	75,897	188,050	24.134%	9.061%	73.439%
IL	15	15	0	1.050%	1.132%	0.000%	265,484	265,484	0	2.880%	8.800%	0.000%
IN	13	13	0	0.882%	0.909%	0.000%	144,949	144,949	0	2.963%	5.637%	0.000%
KY	5	2	3	2.075%	2.174%	2.013%	49,095	200	48,895	1.067%	0.053%	1.157%
MA	69	53	16	9.610%	8.833%	13.559%	1,091,310	697,472	393,838	12.753%	39.858%	5.785%
MD	23	23	0	2.182%	2.333%	0.000%	327,996	327,996	0	6.529%	31.990%	0.000%
ME	4	2	2	0.494%	0.264%	3.774%	5,630	190	5,440	0.773%	0.065%	1.249%
MI	14	14	0	0.471%	0.481%	0.000%	66,157	66,157	0	0.924%	3.344%	0.000%
MN	11	11	0	0.695%	0.709%	0.000%	110,145	110,145	0	2.585%	3.658%	0.000%
MO	8	7	1	0.565%	0.522%	1.299%	17,361	14,898	2,463	0.578%	0.882%	0.187%
MT	5	4	1	0.590%	0.508%	1.667%	38,917	440	38,477	5.135%	0.120%	9.799%
NC	31	31	0	1.310%	1.391%	0.000%	58,871	58,871	0	0.841%	3.397%	0.000%
ND	4	3	1	1.905%	1.639%	3.704%	13,170	6,344	6,826	2.342%	2.467%	2.236%
NE	14	14	0	1.816%	1.842%	0.000%	125,114	125,114	0	8.557%	18.246%	0.000%
NH	11	10	1	0.874%	0.822%	2.439%	30,574	2,574	28,000	3.222%	0.645%	5.093%
NJ	38	36	2	2.718%	2.645%	5.405%	1,035,707	332,953	702,754	13.367%	12.275%	13.955%
NM	7	6	1	0.963%	0.872%	2.564%	198,570	190,433	8,137	11.688%	13.294%	3.053%
NV	7	5	2	2.071%	1.577%	9.524%	353,680	18,910	334,770	36.327%	6.665%	48.525%
NY	11	10	1	0.723%	0.778%	0.424%	298,846	27,896	270,950	6.105%	2.672%	7.037%
OH	22	21	1	1.132%	1.154%	0.800%	74,168	67,619	6,549	0.725%	2.159%	0.092%
OK	4	3	1	0.548%	0.579%	0.472%	63,642	41,489	22,153	2.037%	6.241%	0.901%
OR	10	9	1	0.912%	0.952%	0.658%	53,178	48,678	4,500	1.809%	8.470%	0.190%
RI	4	4	0	2.759%	2.941%	0.000%	4,838	4,838	0	0.529%	2.782%	0.000%
SC	16	15	1	1.954%	1.982%	1.613%	34,996	24,646	10,350	1.043%	3.363%	0.394%
SD	1	1	0	0.408%	0.429%	0.000%	99	99	0	0.037%	0.051%	0.000%
TN	7	2	5	1.994%	1.235%	2.646%	128,955	7,619	121,336	2.268%	0.521%	2.873%
TX	23	21	2	0.465%	0.456%	0.585%	1,776,182	1,563,928	212,254	7.073%	16.822%	1.342%
UT	9	8	1	1.800%	1.762%	2.174%	535,520	223,520	312,000	20.974%	13.157%	36.520%
VA	13	12	1	0.818%	0.846%	0.588%	3,966	3,941	25	0.075%	0.627%	0.001%
VT	11	11	0	1.824%	1.964%	0.000%	4,059	4,059	0	0.827%	1.788%	0.000%
WI	24	24	0	1.345%	1.361%	0.000%	406,853	406,853	0	10.072%	17.329%	0.000%
WV	4	3	1	0.993%	1.235%	0.625%	9,963	8,163	1,800	0.704%	3.435%	0.153%
WY	4	3	1	1.316%	1.172%	2.083%	905	505	400	0.203%	0.391%	0.126%
Total	733	615	118	1.453%	1.332%	2.773%	25,798,816	10,479,911	15,318,905	11.365%	12.130%	10.894%

Table A58f. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	4	2	2	0.645%	0.422%	1.370%	222,811	540	222,271	36.756%	0.232%	59.494%
AL	24	16	8	9.091%	7.921%	12.903%	862,055	265,205	596,850	20.375%	23.612%	19.205%
AR	3	3	0	0.661%	0.785%	0.000%	24,460	24,460	0	0.997%	2.687%	0.000%
AZ	25	23	2	2.361%	2.275%	4.167%	1,487,387	882,387	605,000	24.119%	31.556%	17.949%
CA	219	159	60	5.989%	5.062%	11.628%	15,548,678	4,337,492	11,211,186	43.324%	32.089%	50.112%
CO	11	9	2	1.332%	1.488%	0.905%	69,582	67,602	1,980	1.392%	12.750%	0.044%
CT	50	44	6	4.143%	3.767%	15.385%	326,356	56,164	270,192	11.984%	14.421%	11.577%
DE	7	6	1	2.194%	1.899%	33.333%	54,081	17,951	36,130	7.728%	4.291%	12.839%
FL	5	5	0	0.331%	0.337%	0.000%	547,143	547,143	0	3.127%	3.588%	0.000%
GA	13	12	1	0.714%	0.703%	0.862%	57,672	10,811	46,861	0.770%	0.679%	0.795%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	18	16	2	1.705%	1.564%	6.061%	301,076	199,434	101,642	11.839%	13.903%	9.168%
ID	23	20	3	2.460%	2.278%	5.263%	268,828	80,778	188,050	24.580%	9.644%	73.439%
IL	23	23	0	1.610%	1.736%	0.000%	311,020	311,020	0	3.374%	10.309%	0.000%
IN	18	18	0	1.221%	1.259%	0.000%	204,818	204,818	0	4.187%	7.965%	0.000%
KY	9	5	4	3.734%	5.435%	2.685%	88,762	13,679	75,083	1.929%	3.644%	1.776%
MA	89	69	20	12.396%	11.500%	16.949%	1,232,504	778,651	453,853	14.403%	44.497%	6.667%
MD	30	29	1	2.846%	2.941%	1.471%	332,919	329,079	3,840	6.627%	32.096%	0.096%
ME	6	4	2	0.741%	0.528%	3.774%	8,795	3,355	5,440	1.208%	1.146%	1.249%
MI	20	20	0	0.673%	0.687%	0.000%	76,588	76,588	0	1.070%	3.871%	0.000%
MN	18	17	1	1.138%	1.095%	3.333%	225,783	211,700	14,083	5.299%	7.031%	1.127%
MO	12	11	1	0.847%	0.821%	1.299%	27,896	25,433	2,463	0.929%	1.505%	0.187%
MT	10	8	2	1.179%	1.015%	3.333%	118,871	78,369	40,502	15.683%	21.455%	10.315%
NC	55	54	1	2.324%	2.424%	0.719%	78,110	74,961	3,149	1.116%	4.326%	0.060%
ND	4	3	1	1.905%	1.639%	3.704%	13,170	6,344	6,826	2.342%	2.467%	2.236%
NE	16	16	0	2.075%	2.105%	0.000%	125,364	125,364	0	8.574%	18.283%	0.000%
NH	27	26	1	2.146%	2.136%	2.439%	74,254	46,254	28,000	7.826%	11.593%	5.093%
NJ	73	69	4	5.222%	5.070%	10.811%	1,735,338	698,387	1,036,951	22.396%	25.747%	20.591%
NM	10	9	1	1.376%	1.308%	2.564%	199,447	191,310	8,137	11.739%	13.356%	3.053%
NV	9	6	3	2.663%	1.893%	14.286%	354,880	19,110	335,770	36.451%	6.736%	48.670%
NY	15	14	1	0.986%	1.089%	0.424%	319,962	49,012	270,950	6.537%	4.694%	7.037%
OH	29	28	1	1.492%	1.539%	0.800%	132,561	126,012	6,549	1.296%	4.023%	0.092%
OK	6	5	1	0.822%	0.965%	0.472%	70,071	47,918	22,153	2.243%	7.208%	0.901%
OR	17	16	1	1.550%	1.693%	0.658%	54,427	49,927	4,500	1.851%	8.688%	0.190%
RI	6	5	1	4.138%	3.676%	11.111%	111,396	7,480	103,916	12.189%	4.301%	14.043%
SC	22	21	1	2.686%	2.774%	1.613%	38,464	28,114	10,350	1.146%	3.836%	0.394%
SD	3	3	0	1.224%	1.288%	0.000%	14,490	14,490	0	5.439%	7.461%	0.000%
TN	9	4	5	2.564%	2.469%	2.646%	215,680	94,344	121,336	3.794%	6.451%	2.873%
TX	33	30	3	0.667%	0.651%	0.877%	2,507,699	1,607,200	900,499	9.986%	17.287%	5.694%
UT	9	8	1	1.800%	1.762%	2.174%	535,520	223,520	312,000	20.974%	13.157%	36.520%
VA	20	19	1	1.259%	1.339%	0.588%	7,422	7,397	25	0.141%	1.177%	0.001%
VT	16	16	0	2.653%	2.857%	0.000%	5,949	5,949	0	1.212%	2.620%	0.000%
WI	38	37	1	2.130%	2.098%	5.000%	548,008	513,508	34,500	13.566%	21.872%	2.039%
WV	5	4	1	1.241%	1.646%	0.625%	14,540	12,740	1,800	1.027%	5.360%	0.153%
WY	4	3	1	1.316%	1.172%	2.083%	905	505	400	0.203%	0.391%	0.126%
Total	1,063	915	148	2.108%	1.981%	3.477%	29,555,742	12,472,505	17,083,237	13.020%	14.436%	12.149%

Table A59. Thallium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 0.002 mg/L	44,898	101	0.225%	85,832,905	281,729	0.328%
	≥ 0.001 mg/L	44,898	703	1.566%	85,832,905	5,653,247	6.586%
Surface Water	> 0.002 mg/L	4,027	24	0.596%	137,491,940	1,550,072	1.127%
	≥ 0.001 mg/L	4,027	154	3.824%	137,491,940	14,008,014	10.188%
Combined Ground & Surface Water	> 0.002 mg/L	48,925	125	0.255%	223,324,845	1,831,801	0.820%
	≥ 0.001 mg/L	48,925	857	1.752%	223,324,845	19,661,261	8.804%

Table A59a. Thallium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (mg/L)			Median Detect Concentration (mg/L)			90th Percentile Detect Concentration (mg/L)			Maximum Detect Concentration (mg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1,498	1,062	436	4.539%	4.614%	4.358%	6.1E-05	6.1E-05	0.00016	0.001	0.001	0.001	0.00162	0.00162	0.0017	0.00246	0.00246	0.002
AL	2,639	1,795	844	0.379%	0.501%	0.118%	0.001	0.001	0.00209	0.005	0.005	0.00209	0.0085	0.01	0.00209	0.01	0.01	0.00209
AR	2,214	1,550	664	0.407%	0.323%	0.602%	0.0005	0.0006	0.0005	0.0006	0.0006	0.00055	0.001	0.001	0.0007	0.001	0.001	0.0007
AZ	6,273	5,002	1,271	1.084%	1.060%	1.180%	0.0007	0.0007	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.01	0.003	0.01
CA	34,960	20,908	14,052	0.503%	0.550%	0.434%	3.3E-05	4.7E-05	3.3E-05	0.001	0.001	0.001	0.0023	0.0025	0.00218	0.01	0.01	0.01
CO	4,373	2,334	2,039	2.424%	2.828%	1.962%	0.00006	0.0001	0.00006	0.00058	0.0006	0.00048	0.0018	0.002	0.00165	0.005	0.005	0.0033
CT	2,231	1,841	390	0.941%	1.086%	0.256%	0.0001	0.0005	0.0001	0.0012	0.00135	0.0001	0.002	0.0021	0.0001	0.005	0.005	0.0001
DE	686	639	47	1.603%	1.721%	0.000%	0.0001	0.0001		0.0002	0.0002		0.001	0.001		0.002	0.002	
FL	2,143	2,074	69	5.880%	6.027%	1.449%	0.0001	0.0001	0.0001	0.0005	0.0005	0.0001	0.0014	0.0014	0.0001	0.006	0.006	0.0001
GA	2,691	2,368	323	0.149%	0.169%	0.000%	0.0011	0.0011		0.00135	0.00135		0.0015	0.0015		0.0015	0.0015	
HI	1,176	1,114	62	0.000%	0.000%	0.000%												
IA	1,482	1,219	263	0.000%	0.000%	0.000%												
ID	3,080	2,798	282	0.877%	0.858%	1.064%	0.00003	0.00003	0.0001	0.0007	0.00085	0.0002	0.0017	0.0017	0.0006	0.0055	0.0055	0.0006
IL	2,762	2,362	400	0.615%	0.677%	0.250%	5.1E-05	5.1E-05	0.0012	0.0012	0.0013	0.0012	0.002	0.002	0.0012	0.0025	0.0025	0.0012
IN	4,724	4,243	481	0.910%	0.919%	0.832%	0.00018	0.00018	0.0005	0.001	0.0014	0.0009	0.003	0.003	0.001	0.0088	0.0088	0.001
KY	1,809	554	1,255	6.302%	2.347%	8.048%	0.0001	0.0001	0.0001	0.00095	0.0009	0.001	0.0019	0.002	0.0018	0.01	0.002	0.01
MA	2,990	2,006	984	1.906%	2.343%	1.016%	0.0002	0.0002	0.0003	0.001	0.001	0.001	0.002	0.002	0.00185	0.0033	0.0033	0.002
MD	5,064	3,961	1,103	0.533%	0.429%	0.907%	0.00003	0.0002	0.00003	0.001	0.0011	0.001	0.003	0.004	0.00212	0.004	0.004	0.00223
ME	2,341	1,956	385	0.128%	0.051%	0.519%	0.001	0.001	0.001	0.001	0.001	0.0015	0.002	0.001	0.002	0.002	0.001	0.002
MI	6,722	6,543	179	3.139%	3.179%	1.676%	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0003	0.0003	0.0001	0.01	0.01	0.0001
MN	4,437	4,358	79	0.518%	0.505%	1.266%	0.001	0.001	0.001	0.0012	0.0012	0.001	0.0016	0.0016	0.001	0.0023	0.0023	0.001
MO	5,706	4,929	777	0.105%	0.122%	0.000%	0.00104	0.00104		0.00137	0.00137		0.00165	0.00165		0.00165	0.00165	
MT	3,169	2,829	340	0.032%	0.000%	0.294%	0.002		0.002	0.002		0.002	0.002		0.002	0.002		0.002
NC	9,271	7,828	1,443	1.402%	1.405%	1.386%	0.00009	0.00009	0.0006	0.001	0.001	0.001	0.00225	0.0024	0.002	0.09	0.09	0.003
ND	345	303	42	0.000%	0.000%	0.000%												
NE	2,976	2,867	109	0.101%	0.105%	0.000%	0.0001	0.0001		0.0001	0.0001		0.001	0.001		0.001	0.001	
NH	2,928	2,764	164	0.376%	0.398%	0.000%	0.00007	0.00007		0.001	0.001		0.01	0.01		0.01	0.01	
NJ	6,591	5,867	724	0.804%	0.835%	0.552%	0.0001	0.0001	0.0007	0.002	0.002	0.0015	0.005	0.005	0.005	0.01	0.01	0.005
NM	3,520	3,194	326	26.932%	27.771%	18.712%	0.00003	0.00003	0.00003	0.0001	0.0001	0.0001	0.00051	0.00047	0.00078	0.01	0.01	0.00351
NV	2,109	1,536	573	0.901%	0.781%	1.222%	0.0001	0.0001	0.001	0.0011	0.001	0.002	0.0065	0.0028	0.0072	0.0072	0.0065	0.0072
NY	3,296	2,497	799	1.608%	1.482%	2.003%	0.00004	0.00004	0.00059	0.001	0.001	0.0013	0.003	0.002	0.005	0.01	0.01	0.009
OH	4,648	4,011	637	0.409%	0.374%	0.628%	0.0006	0.00064	0.0006	0.00145	0.0015	0.0007	0.0017	0.0017	0.0007	0.00181	0.00181	0.0007
OK	396	333	63	0.505%	0.300%	1.587%	0.0026	0.0026	0.01	0.0063	0.0026	0.01	0.01	0.0026	0.01	0.01	0.0026	0.01
OR	1,311	951	360	0.076%	0.000%	0.278%	0.002		0.002	0.002		0.002	0.002		0.002	0.002		0.002
RI	860	630	230	0.233%	0.000%	0.870%	0.0008		0.0008	0.0009		0.0009	0.001		0.001	0.001		0.001
SC	3,446	2,982	464	0.784%	0.704%	1.293%	0.001	0.001	0.001	0.002	0.002	0.002	0.003	0.003	0.003	0.01	0.01	0.003
SD	412	383	29	0.000%	0.000%	0.000%												
TN	1,838	644	1,194	6.910%	0.311%	10.469%	0.0007	0.0007	0.0009	0.0011	0.00115	0.0011	0.0017	0.0016	0.0017	0.002	0.0016	0.002
TX	14,759	12,179	2,580	0.285%	0.296%	0.233%	0.0004	0.0004	0.00049	0.00118	0.00118	0.00118	0.00276	0.0036	0.00234	0.02	0.02	0.00234
UT	6,998	5,459	1,539	3.844%	4.158%	2.729%	0.0002	0.0003	0.0002	0.0011	0.0011	0.001	0.002	0.002	0.0047	0.01	0.01	0.01
VA	2,800	2,192	608	0.286%	0.319%	0.164%	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
VT	2,107	1,763	344	0.285%	0.340%	0.000%	0.001	0.001		0.001	0.001		0.002	0.002		0.002	0.002	
WI	7,038	6,867	171	3.055%	3.087%	1.754%	0.00003	0.00003	0.0002	0.0006	0.0006	0.00041	0.0017	0.0017	0.0007	0.01	0.01	0.0007
WV	1,105	421	684	2.353%	3.563%	1.608%	0.00012	0.00012	0.00012	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
WY	1,123	874	249	0.623%	0.572%	0.803%	0.0004	0.0004	0.0012	0.0012	0.002	0.0012	0.01	0.01	0.0012	0.01	0.01	0.0012
Total	185,047	144,990	40,057	1.673%	1.728%	1.473%	0.00003	0.00003	0.00003	0.00067	0.00046	0.001	0.002	0.002	0.002	0.09	0.09	0.01

Table A59b. Thallium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	610	467	143	592,922	230,950	361,972	9.672%	9.850%	9.091%	42.961%	8.329%	65.058%
AL	352	279	73	4,701,100	1,463,066	3,238,034	1.420%	1.434%	1.370%	1.213%	2.015%	0.850%
AR	453	381	72	2,452,800	909,774	1,543,026	1.325%	1.312%	1.389%	0.815%	0.597%	0.944%
AZ	1,051	1,003	48	6,159,082	2,788,491	3,370,591	4.662%	4.088%	16.667%	16.807%	8.162%	23.958%
CA	3,744	3,227	517	36,250,792	13,502,653	22,748,139	2.751%	2.262%	5.803%	13.420%	10.810%	14.970%
CO	838	617	221	4,998,506	533,275	4,465,231	7.041%	5.835%	10.407%	6.727%	12.090%	6.087%
CT	1,170	1,131	39	2,716,176	382,254	2,333,922	1.795%	1.768%	2.564%	2.280%	0.850%	2.515%
DE	281	278	3	679,823	398,423	281,400	3.203%	3.237%	0.000%	5.163%	8.809%	0.000%
FL	1,333	1,307	26	17,371,132	15,125,090	2,246,042	6.302%	6.350%	3.846%	30.071%	32.629%	12.848%
GA	1,586	1,472	114	7,238,277	1,345,946	5,892,331	0.252%	0.272%	0.000%	0.227%	1.223%	0.000%
HI	107	95	12	1,303,767	1,249,139	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	963	930	33	2,495,648	1,387,022	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	923	874	49	1,078,374	833,464	244,910	2.384%	2.288%	4.082%	12.405%	14.262%	6.083%
IL	1,240	1,139	101	9,078,598	2,879,370	6,199,228	1.210%	1.229%	0.990%	1.291%	2.780%	0.600%
IN	1,622	1,573	49	4,980,032	2,619,577	2,360,455	2.404%	2.352%	4.082%	9.806%	7.919%	11.901%
KY	242	93	149	4,602,489	375,460	4,227,029	25.620%	10.753%	34.899%	25.309%	5.643%	27.055%
MA	676	558	118	8,525,575	1,718,151	6,807,424	5.473%	5.735%	4.237%	44.069%	4.237%	54.123%
MD	1,038	970	68	5,022,488	1,024,381	3,998,107	2.119%	1.753%	7.353%	36.598%	0.335%	45.890%
ME	802	748	54	727,134	291,530	435,604	0.374%	0.134%	3.704%	1.747%	0.055%	2.880%
MI	3,033	2,980	53	6,717,830	1,925,399	4,792,431	6.100%	6.107%	5.660%	6.871%	7.894%	6.461%
MN	1,593	1,564	29	4,265,162	3,015,521	1,249,641	1.067%	1.023%	3.448%	13.510%	3.667%	37.262%
MO	1,420	1,343	77	3,006,718	1,692,257	1,314,461	0.352%	0.372%	0.000%	0.553%	0.982%	0.000%
MT	849	789	60	757,930	365,261	392,669	0.118%	0.000%	1.667%	0.011%	0.000%	0.022%
NC	2,284	2,145	139	6,973,609	1,708,443	5,265,166	4.991%	4.569%	11.511%	14.929%	11.242%	16.125%
ND	217	190	27	563,069	257,844	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	743	732	11	1,450,223	673,743	776,480	0.269%	0.273%	0.000%	0.076%	0.163%	0.000%
NH	1,216	1,175	41	942,517	392,718	549,799	0.740%	0.766%	0.000%	0.196%	0.470%	0.000%
NJ	1,374	1,337	37	7,762,423	2,726,477	5,035,946	3.130%	2.917%	10.811%	9.266%	8.505%	9.679%
NM	725	686	39	1,668,123	1,401,575	266,548	42.759%	43.440%	30.769%	42.808%	40.152%	56.774%
NV	334	313	21	973,017	283,126	689,891	2.994%	2.875%	4.762%	6.911%	3.794%	8.190%
NY	1,552	1,316	236	4,383,193	1,213,289	3,169,904	3.028%	2.584%	5.508%	2.796%	5.962%	1.585%
OH	1,933	1,808	125	10,225,465	3,130,528	7,094,937	0.776%	0.774%	0.800%	16.690%	1.621%	23.340%
OK	184	168	16	680,015	269,060	410,955	1.087%	0.595%	6.250%	3.900%	1.507%	5.466%
OR	730	609	121	2,770,014	486,768	2,283,246	0.137%	0.000%	0.826%	5.998%	0.000%	7.277%
RI	143	134	9	913,584	173,606	739,978	1.399%	0.000%	22.222%	5.930%	0.000%	7.322%
SC	823	758	65	3,468,333	809,806	2,658,527	2.552%	2.375%	4.615%	2.700%	1.426%	3.087%
SD	234	223	11	339,259	247,298	91,961	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	1.140%	1.235%	1.058%	9.123%	3.109%	11.206%
TX	4,888	4,547	341	25,060,220	9,275,719	15,784,501	0.675%	0.638%	1.173%	3.626%	0.945%	5.202%
UT	507	457	50	2,543,652	1,686,017	857,635	14.990%	14.661%	18.000%	44.438%	33.023%	66.878%
VA	1,582	1,414	168	4,803,450	634,384	4,169,066	0.379%	0.354%	0.595%	0.113%	0.456%	0.061%
VT	601	558	43	490,989	227,021	263,968	0.832%	0.896%	0.000%	0.192%	0.415%	0.000%
WI	1,823	1,803	20	4,044,416	2,352,672	1,691,744	9.490%	9.429%	15.000%	10.374%	16.081%	2.438%
WV	451	290	161	1,415,477	234,687	1,180,790	4.878%	5.172%	4.348%	1.525%	1.053%	1.619%
WY	304	255	49	446,184	129,168	317,016	2.303%	1.961%	4.082%	1.178%	0.701%	1.372%
Total	48,925	44,898	4,027	223,324,845	85,832,905	137,491,940	3.493%	3.285%	5.811%	12.626%	11.410%	13.385%



Table A59c. Thallium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.002 mg/L			Percent of Systems with At Least One Detection > 0.002 mg/L			Population Served by Systems with At Least One Detection > 0.002 mg/L			Percent of Population Served with At Least One Detection > 0.002 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	1	0	0.164%	0.214%	0.000%	120	120	0	0.020%	0.052%	0.000%
AL	4	3	1	1.136%	1.075%	1.370%	53,723	26,189	27,534	1.143%	1.790%	0.850%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	2	1	1	0.190%	0.100%	2.083%	125,301	801	124,500	2.034%	0.029%	3.694%
CA	15	12	3	0.401%	0.372%	0.580%	663,501	12,953	650,548	1.830%	0.096%	2.860%
CO	7	5	2	0.835%	0.810%	0.905%	6,597	2,297	4,300	0.132%	0.431%	0.096%
CT	2	2	0	0.171%	0.177%	0.000%	225	225	0	0.008%	0.059%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	2	2	0	0.150%	0.153%	0.000%	11,069	11,069	0	0.064%	0.073%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	1	1	0	0.108%	0.114%	0.000%	46,500	46,500	0	4.312%	5.579%	0.000%
IL	1	1	0	0.081%	0.088%	0.000%	170	170	0	0.002%	0.006%	0.000%
IN	10	10	0	0.617%	0.636%	0.000%	3,518	3,518	0	0.071%	0.134%	0.000%
KY	3	0	3	1.240%	0.000%	2.013%	126,627	0	126,627	2.751%	0.000%	2.996%
MA	1	1	0	0.148%	0.179%	0.000%	200	200	0	0.002%	0.012%	0.000%
MD	6	5	1	0.578%	0.515%	1.471%	90,811	279	90,532	1.808%	0.027%	2.264%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	1	1	0	0.033%	0.034%	0.000%	27	27	0	0.000%	0.001%	0.000%
MN	1	1	0	0.063%	0.064%	0.000%	55,300	55,300	0	1.297%	1.834%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	12	11	1	0.525%	0.513%	0.719%	52,298	29,298	23,000	0.750%	1.715%	0.437%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	2	2	0	0.164%	0.170%	0.000%	283	283	0	0.030%	0.072%	0.000%
NJ	7	6	1	0.509%	0.449%	2.703%	9,351	720	8,631	0.120%	0.026%	0.171%
NM	7	6	1	0.966%	0.875%	2.564%	92,144	19,443	72,701	5.524%	1.387%	27.275%
NV	3	2	1	0.898%	0.639%	4.762%	65,960	9,460	56,500	6.779%	3.341%	8.190%
NY	6	3	3	0.387%	0.228%	1.271%	13,931	2,605	11,326	0.318%	0.215%	0.357%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	2	1	1	1.087%	0.595%	6.250%	26,519	4,056	22,463	3.900%	1.507%	5.466%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	5	4	1	0.608%	0.528%	1.538%	7,075	3,467	3,608	0.204%	0.428%	0.136%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	8	7	1	0.164%	0.154%	0.293%	46,891	39,687	7,204	0.187%	0.428%	0.046%
UT	8	5	3	1.578%	1.094%	6.000%	331,964	11,366	320,598	13.051%	0.674%	37.382%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	6	6	0	0.329%	0.333%	0.000%	1,455	1,455	0	0.036%	0.062%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	2	2	0	0.658%	0.784%	0.000%	241	241	0	0.054%	0.187%	0.000%
Total	125	101	24	0.255%	0.225%	0.596%	1,831,801	281,729	1,550,072	0.820%	0.328%	1.127%

Table A59d. Thallium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 0.001 mg/L			Percent of Systems with At Least One Detection ≥ 0.001 mg/L			Population Served by Systems with At Least One Detection ≥ 0.001 mg/L			Percent of Population Served with At Least One Detection ≥ 0.001 mg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	34	24	10	5.574%	5.139%	6.993%	239,006	6,812	232,194	40.310%	2.950%	64.147%
AL	5	4	1	1.420%	1.434%	1.370%	57,014	29,480	27,534	1.213%	2.015%	0.850%
AR	1	1	0	0.221%	0.262%	0.000%	1,834	1,834	0	0.075%	0.202%	0.000%
AZ	48	40	8	4.567%	3.988%	16.667%	998,818	191,275	807,543	16.217%	6.859%	23.958%
CA	86	63	23	2.297%	1.952%	4.449%	4,033,580	1,240,374	2,793,206	11.127%	9.186%	12.279%
CO	27	17	10	3.222%	2.755%	4.525%	244,095	24,275	219,820	4.883%	4.552%	4.923%
CT	19	19	0	1.624%	1.680%	0.000%	3,189	3,189	0	0.117%	0.834%	0.000%
DE	3	3	0	1.068%	1.079%	0.000%	967	967	0	0.142%	0.243%	0.000%
FL	27	27	0	2.026%	2.066%	0.000%	2,780,540	2,780,540	0	16.007%	18.384%	0.000%
GA	4	4	0	0.252%	0.272%	0.000%	16,464	16,464	0	0.227%	1.223%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	10	10	0	1.083%	1.144%	0.000%	54,466	54,466	0	5.051%	6.535%	0.000%
IL	14	13	1	1.129%	1.141%	0.990%	117,072	79,885	37,187	1.290%	2.774%	0.600%
IN	32	31	1	1.973%	1.971%	2.041%	293,716	30,196	263,520	5.898%	1.153%	11.164%
KY	37	5	32	15.289%	5.376%	21.477%	858,838	14,303	844,535	18.660%	3.809%	19.979%
MA	34	30	4	5.030%	5.376%	3.390%	3,708,067	67,460	3,640,607	43.493%	3.926%	53.480%
MD	17	15	2	1.638%	1.546%	2.941%	1,803,315	2,783	1,800,532	35.905%	0.272%	45.035%
ME	3	1	2	0.374%	0.134%	3.704%	12,705	160	12,545	1.747%	0.055%	2.880%
MI	3	3	0	0.099%	0.101%	0.000%	627	627	0	0.009%	0.033%	0.000%
MN	17	16	1	1.067%	1.023%	3.448%	576,207	110,567	465,640	13.510%	3.667%	37.262%
MO	5	5	0	0.352%	0.372%	0.000%	16,620	16,620	0	0.553%	0.982%	0.000%
MT	1	0	1	0.118%	0.000%	1.667%	85	0	85	0.011%	0.000%	0.022%
NC	108	94	14	4.729%	4.382%	10.072%	1,013,112	178,157	834,955	14.528%	10.428%	15.858%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	1	1	0	0.135%	0.137%	0.000%	43	43	0	0.003%	0.006%	0.000%
NH	8	8	0	0.658%	0.681%	0.000%	1,736	1,736	0	0.184%	0.442%	0.000%
NJ	37	34	3	2.693%	2.543%	8.108%	505,088	94,339	410,749	6.507%	3.460%	8.156%
NM	30	28	2	4.138%	4.082%	5.128%	207,584	134,733	72,851	12.444%	9.613%	27.331%
NV	6	5	1	1.796%	1.597%	4.762%	66,348	9,848	56,500	6.819%	3.478%	8.190%
NY	31	19	12	1.997%	1.444%	5.085%	88,507	38,346	50,161	2.019%	3.161%	1.582%
OH	11	11	0	0.569%	0.608%	0.000%	38,726	38,726	0	0.379%	1.237%	0.000%
OK	2	1	1	1.087%	0.595%	6.250%	26,519	4,056	22,463	3.900%	1.507%	5.466%
OR	1	0	1	0.137%	0.000%	0.826%	166,150	0	166,150	5.998%	0.000%	7.277%
RI	1	0	1	0.699%	0.000%	11.111%	51,000	0	51,000	5.582%	0.000%	6.892%
SC	21	18	3	2.552%	2.375%	4.615%	93,633	11,551	82,082	2.700%	1.426%	3.087%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	3	1	2	0.855%	0.617%	1.058%	513,986	40,773	473,213	9.041%	2.788%	11.206%
TX	25	22	3	0.511%	0.484%	0.880%	200,419	67,521	132,898	0.800%	0.728%	0.842%
UT	68	61	7	13.412%	13.348%	14.000%	821,427	330,244	491,183	32.293%	19.587%	57.272%
VA	6	5	1	0.379%	0.354%	0.595%	5,432	2,894	2,538	0.113%	0.456%	0.061%
VT	5	5	0	0.832%	0.896%	0.000%	942	942	0	0.192%	0.415%	0.000%
WI	42	42	0	2.304%	2.329%	0.000%	24,205	24,205	0	0.598%	1.029%	0.000%
WV	18	13	5	3.991%	4.483%	3.106%	14,193	2,221	11,972	1.003%	0.946%	1.014%
WY	6	4	2	1.974%	1.569%	4.082%	4,986	635	4,351	1.117%	0.492%	1.372%
Total	857	703	154	1.752%	1.566%	3.824%	19,661,261	5,653,247	14,008,014	8.804%	6.586%	10.188%

Table A60. Toluene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 1,000 µg/L	46,193	1	0.002%	86,403,546	500	0.001%
	≥ 600 µg/L	46,193	14	0.030%	86,403,546	15,689	0.018%
	≥ 500 µg/L	46,193	15	0.032%	86,403,546	15,757	0.018%
Surface Water	> 1,000 µg/L	4,258	0	0.000%	140,551,755	0	0.000%
	≥ 600 µg/L	4,258	1	0.023%	140,551,755	1,612	0.001%
	≥ 500 µg/L	4,258	3	0.070%	140,551,755	6,212	0.004%
Combined Ground & Surface Water	> 1,000 µg/L	50,451	1	0.002%	226,955,301	500	0.000%
	≥ 600 µg/L	50,451	15	0.030%	226,955,301	17,301	0.008%
	≥ 500 µg/L	50,451	18	0.036%	226,955,301	21,969	0.010%

Table A60a. Toluene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,388	2,222	1,166	6.346%	4.500%	9.863%	0.1	0.1	0.12	0.57	0.695	0.49	2.87	3.845	2.25	100	43.6	100
AL	846	614	232	4.019%	3.746%	4.741%	0.5	0.5	0.55	0.895	1	0.8	16	6.41	16	78	78	18
AR	2,393	1,926	467	1.295%	1.506%	0.428%	0.09	0.09	0.14	0.62	0.67	0.22	7.46	10	0.3	296	296	0.3
AZ	11,717	9,548	2,169	0.819%	0.880%	0.553%	0.4	0.4	0.5	0.9	0.99	0.6	6.4	6.7	2.5	24	24	3.1
CA	86,373	45,816	40,557	0.315%	0.404%	0.215%	0.38	0.38	0.5	1	1.1	1	6.8	11	4.52	390	390	77
CO	2,919	2,170	749	2.672%	2.995%	1.736%	0.13	0.13	0.2	0.735	0.64	1	2.8	3.2	2	830	830	2.3
CT	6,945	6,054	891	1.094%	1.255%	0.000%	0.51	0.51		2.35	2.35		18.2	18.2		530	530	
DE	1,051	1,021	30	2.664%	2.742%	0.000%	0.6	0.6		1.35	1.35		35.9	35.9		80.1	80.1	
FL	4,160	4,089	71	0.962%	0.954%	1.408%	0.05	0.05	0.09	0.5	0.5	0.09	8.15	8.4	0.09	11	11	0.09
GA	7,174	6,347	827	0.725%	0.788%	0.242%	0.5	0.5	0.96	1.1	1.1	1.08	4.1	4.25	1.2	18	18	1.2
HI	1,791	1,688	103	0.000%	0.000%	0.000%												
IA	1,997	1,832	165	2.754%	2.183%	9.091%	0.5	0.5	0.5	1.2	1.3	1	4	4.105	3.2	22.6	22.6	4.6
ID	3,742	3,281	461	1.015%	1.128%	0.217%	0.5	0.5	0.5	1.1	1.1	0.5	38	38	0.5	800	800	0.5
IL	7,035	6,462	573	0.597%	0.650%	0.000%	0.12	0.12		0.8	0.8		2.4	2.4		19.8	19.8	
IN	4,623	4,313	310	2.963%	3.107%	0.968%	0.5	0.5	0.86	1.3	1.3	2.2	4.7	4.7	3.4	39	39	3.4
KY	3,351	1,131	2,220	1.761%	0.973%	2.162%	0.002	0.3	0.002	0.7	0.9	0.7	2.4	19	2	40	40	18
MA	16,249	12,259	3,990	0.677%	0.808%	0.276%	0.5	0.5	0.5	1.1	1.2	0.99	6.6	7	1.6	44	44	1.68
MD	6,775	5,513	1,262	2.421%	2.721%	1.109%	0.1	0.2	0.1	1.45	1.6	0.65	8.9	8.95	1.5	24	24	2.1
ME	3,693	3,374	319	1.679%	1.423%	4.389%	0.5	0.5	0.5	1.45	1.5	1.45	11.5	19.3	5.5	55	55	6.7
MI	10,754	9,744	1,010	1.246%	1.293%	0.792%	0.08	0.08	0.5	0.8	0.8	1.2	4.6	4.9	3.4	5100	5100	3.4
MN	8,596	7,343	1,253	2.873%	2.492%	5.108%	0.2	0.2	0.2	0.4	0.5	0.3	1.6	2.2	0.7	46	46	5.2
MO	7,544	6,695	849	1.577%	1.449%	2.591%	0.5	0.5	0.5	1.01	1.1	0.9	7.5	11.3	1.8	149	149	4.8
MT	4,496	3,955	541	0.489%	0.506%	0.370%	0.21	0.21	3.8	3.1	2.65	3.9	730	840	4	1000	1000	4
NC	19,062	17,483	1,579	1.096%	1.161%	0.380%	0.5	0.5	0.5	1.2	1.2	0.675	5.6	5.6	1.8	170	170	1.8
ND	564	429	135	2.482%	3.030%	0.741%	0.5	0.5	2.02	0.67	0.67	2.02	2.02	1.43	2.02	5.39	5.39	2.02
NE	6,838	6,262	576	0.351%	0.383%	0.000%	0.14	0.14		0.735	0.735		1.8	1.8		3.6	3.6	
NH	9,614	9,136	478	2.517%	2.638%	0.209%	0.0077	0.0077	0.74	1.4	1.4	0.74	15	15	0.74	260	260	0.74
NJ	20,359	18,571	1,788	1.483%	1.556%	0.377%	0.07	0.07	0.1	0.67	0.69	0.5	3	3.2	1.4	820	820	1.7
NM	6,572	6,096	476	1.263%	1.312%	0.630%	0.1	0.1	0.77	0.69	0.6	1.3	5.26	5.3	2.4	180	180	2.4
NV	3,219	2,580	639	1.336%	1.318%	1.408%	0.52	0.55	0.52	1.22	1.445	0.66	3.4	3.8	1.4	4.9	4.9	1.4
NY	7,173	5,489	1,684	1.157%	1.221%	0.950%	0.12	0.5	0.12	1.3	1.3	1.15	12.4	12.4	500	800	800	567
OH	8,845	7,685	1,160	1.119%	1.262%	0.172%	0.5	0.5	0.7	1.2	1.3	0.8	3.65	3.65	0.9	17	17	0.9
OK	5,355	3,958	1,397	1.120%	1.061%	1.288%	0.1	0.1	0.43	0.8	0.765	0.94	3.6	3.9	3.3	45	45	4.62
OR	2,336	1,693	643	0.728%	0.886%	0.311%	0.2	0.2	1	1.3	1.6	1	48	48	1	54.8	54.8	1
RI	1,959	1,591	368	1.276%	1.257%	1.359%	0.2	0.2	0.5	1.4	1.8	0.63	25	30.5	4.8	110	110	4.8
SC	4,345	3,805	540	1.220%	1.340%	0.370%	0.51	0.51	0.71	0.77	0.78	0.725	2.18	2.18	0.74	18.8	18.8	0.74
SD	889	855	34	1.012%	1.053%	0.000%	0.51	0.51		0.65	0.65		37.2	37.2		37.2	37.2	
TN	2,943	1,165	1,778	0.102%	0.000%	0.169%	0.5		0.5	1.8		1.8	3.2		3.2	3.2		3.2
TX	34,177	27,069	7,108	1.911%	2.050%	1.379%	0.5	0.5	0.5	1.1	1.3	0.8	5.3	5.5	3.3	200	200	33
UT	8,980	7,559	1,421	0.445%	0.463%	0.352%	0.4	0.4	0.6	1.15	1.2	0.7	20.2	35.6	1.9	35.6	35.6	1.9
VA	4,933	4,060	873	2.352%	2.537%	1.489%	0.5	0.5	0.5	1	1.1	0.7	5	5	2	63	63	5
VT	4,358	3,964	394	2.685%	2.901%	0.508%	0.2	0.2	0.6	1	1.1	0.7	5.7	5.7	0.8	600	600	0.8
WI	11,303	11,178	125	2.636%	2.657%	0.800%	0.02	0.02	0.84	0.54	0.54	0.84	3.2	3.2	0.84	57	57	0.84
WV	1,150	449	701	2.261%	4.232%	0.999%	0.16	0.16	0.5	0.5	0.5	1	9	9	740	740	700	740
WY	1,664	1,161	503	1.983%	2.239%	1.392%	0.5	0.5	0.58	0.8	0.8	0.7	3.4	4.42	1.7	17	17	1.7
Total	374,250	289,635	84,615	1.245%	1.381%	0.779%	0.002	0.0077	0.002	0.94	1	0.7	5.4	6	2.9	5100	5100	740

Table A60b. Toluene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	16.129%	9.494%	37.671%	24.047%	36.289%	16.426%
AL	266	204	62	4,234,433	1,128,788	3,105,645	10.526%	10.294%	11.290%	10.957%	18.756%	8.123%
AR	454	382	72	2,453,348	910,322	1,543,026	4.185%	4.712%	1.389%	1.170%	2.738%	0.245%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	6.138%	5.638%	16.667%	12.077%	9.305%	14.376%
CA	3,662	3,145	517	35,830,167	13,517,706	22,312,461	4.588%	4.134%	7.350%	31.809%	11.181%	44.306%
CO	827	606	221	4,998,841	531,207	4,467,634	6.892%	7.591%	4.977%	6.067%	25.023%	3.813%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	3.977%	4.110%	0.000%	0.889%	6.217%	0.000%
DE	318	315	3	698,987	417,587	281,400	5.975%	6.032%	0.000%	13.325%	22.305%	0.000%
FL	1,510	1,484	26	17,495,564	15,249,522	2,246,042	2.185%	2.156%	3.846%	3.565%	2.502%	10.780%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	1.976%	1.993%	1.724%	0.482%	0.866%	0.379%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	3.504%	3.226%	12.121%	9.663%	4.997%	15.702%
ID	935	878	57	1,093,666	837,604	256,062	3.209%	3.303%	1.754%	18.179%	22.059%	5.488%
IL	1,429	1,325	104	9,217,431	3,017,034	6,200,397	2.099%	2.264%	0.000%	1.282%	3.918%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	4.953%	4.895%	6.818%	3.484%	1.721%	5.438%
KY	241	92	149	4,602,392	375,363	4,227,029	16.183%	9.783%	20.134%	14.212%	6.367%	14.909%
MA	718	600	118	8,557,325	1,749,901	6,807,424	9.610%	9.833%	8.475%	4.637%	10.931%	3.019%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	8.634%	8.418%	11.765%	42.344%	31.235%	45.193%
ME	810	757	53	728,347	292,773	435,574	5.679%	5.680%	5.660%	21.442%	5.430%	32.205%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	2.961%	2.851%	8.197%	6.152%	19.093%	1.211%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	10.367%	9.278%	66.667%	20.299%	19.472%	22.291%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	5.928%	5.522%	12.987%	9.654%	15.059%	2.706%
MT	848	788	60	757,949	365,280	392,669	2.241%	2.284%	1.667%	3.436%	5.059%	1.927%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	5.999%	6.104%	4.317%	16.641%	16.645%	16.639%
ND	210	183	27	562,397	257,172	305,225	5.238%	5.464%	3.704%	2.087%	4.505%	0.049%
NE	771	760	11	1,462,181	685,701	776,480	2.464%	2.500%	0.000%	3.906%	8.329%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	11.685%	11.997%	2.439%	6.215%	14.119%	0.478%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	11.445%	11.315%	16.216%	21.742%	17.870%	23.828%
NM	727	688	39	1,698,980	1,432,432	266,548	7.428%	7.413%	7.692%	14.923%	9.246%	45.431%
NV	338	317	21	973,592	283,701	689,891	7.988%	6.940%	23.810%	43.739%	6.970%	58.859%
NY	1,530	1,294	236	4,896,835	1,046,233	3,850,602	3.922%	3.555%	5.932%	1.747%	5.178%	0.815%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	2.829%	2.914%	1.600%	1.419%	2.264%	1.046%
OK	718	506	212	3,119,686	660,832	2,458,854	6.825%	7.312%	5.660%	4.681%	15.738%	1.709%
OR	1,097	945	152	2,940,119	574,689	2,365,430	1.550%	1.587%	1.316%	1.188%	2.229%	0.936%
RI	145	136	9	913,884	173,906	739,978	13.103%	11.029%	44.444%	25.730%	32.786%	24.071%
SC	819	757	62	3,356,831	732,879	2,623,952	2.930%	2.906%	3.226%	12.014%	1.373%	14.986%
SD	245	233	12	266,416	194,218	72,198	2.041%	2.146%	0.000%	1.528%	2.096%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.855%	0.000%	1.587%	1.774%	0.000%	2.388%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	7.817%	7.377%	13.743%	18.286%	10.607%	22.801%
UT	500	454	46	2,553,197	1,698,877	854,320	4.800%	4.405%	8.696%	7.681%	5.012%	12.989%
VA	1,601	1,430	171	5,274,208	631,625	4,642,583	4.310%	4.336%	4.094%	3.223%	12.636%	1.942%
VT	603	560	43	491,035	227,067	263,968	9.121%	9.464%	4.651%	6.363%	12.809%	0.818%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	10.650%	10.714%	5.000%	14.524%	24.937%	0.073%
WV	403	243	160	1,416,020	237,670	1,178,350	6.203%	7.407%	4.375%	2.743%	2.487%	2.794%
WY	304	256	48	446,177	129,229	316,948	7.566%	7.422%	8.333%	3.487%	5.782%	2.552%
Total	50,451	46,193	4,258	226,955,301	86,403,546	140,551,755	5.764%	5.535%	8.243%	13.215%	9.361%	15.584%

Table A60c. Toluene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 1,000 µg/L			Percent of Systems with At Least One Detection > 1,000 µg/L			Population Served by Systems with At Least One Detection > 1,000 µg/L			Percent of Population Served with At Least One Detection > 1,000 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	1	1	0	0.034%	0.034%	0.000%	500	500	0	0.007%	0.025%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	1	0	0.002%	0.002%	0.000%	500	500	0	0.0002%	0.001%	0.000%

Table A60d. Toluene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 600 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 600 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 600 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 600 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	1	1	0	0.121%	0.165%	0.000%	425	425	0	0.009%	0.080%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	2	2	0	0.214%	0.228%	0.000%	10,137	10,137	0	0.927%	1.210%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	4	4	0	0.135%	0.137%	0.000%	1,745	1,745	0	0.024%	0.088%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	2	2	0	0.236%	0.254%	0.000%	579	579	0	0.076%	0.159%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	1	1	0	0.072%	0.073%	0.000%	85	85	0	0.001%	0.003%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	2	2	0	0.131%	0.155%	0.000%	801	801	0	0.016%	0.077%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	1	1	0	0.166%	0.179%	0.000%	1,695	1,695	0	0.345%	0.746%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.496%	0.412%	0.625%	1,834	222	1,612	0.130%	0.093%	0.137%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	15	14	1	0.030%	0.030%	0.023%	17,301	15,689	1,612	0.008%	0.018%	0.001%

Table A60e. Toluene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 500 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 500 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 500 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 500 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	1	1	0	0.121%	0.165%	0.000%	425	425	0	0.009%	0.080%	0.000%
CT	1	1	0	0.083%	0.086%	0.000%	68	68	0	0.002%	0.017%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	2	2	0	0.214%	0.228%	0.000%	10,137	10,137	0	0.927%	1.210%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	4	4	0	0.135%	0.137%	0.000%	1,745	1,745	0	0.024%	0.088%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	2	2	0	0.236%	0.254%	0.000%	579	579	0	0.076%	0.159%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	1	1	0	0.072%	0.073%	0.000%	85	85	0	0.001%	0.003%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	4	2	2	0.261%	0.155%	0.847%	5,401	801	4,600	0.110%	0.077%	0.119%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	1	1	0	0.166%	0.179%	0.000%	1,695	1,695	0	0.345%	0.746%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	2	1	1	0.496%	0.412%	0.625%	1,834	222	1,612	0.130%	0.093%	0.137%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	18	15	3	0.036%	0.032%	0.070%	21,969	15,757	6,212	0.010%	0.018%	0.004%



Table A61. Toxaphene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 3 µg/L	27,718	5	0.018%	60,886,049	27,063	0.044%
	≥ 1.5 µg/L	27,718	7	0.025%	60,886,049	27,713	0.046%
	> 1 µg/L	27,718	7	0.025%	60,886,049	27,713	0.046%
Surface Water	> 3 µg/L	2,669	0	0.000%	99,126,085	0	0.000%
	≥ 1.5 µg/L	2,669	2	0.075%	99,126,085	257,737	0.260%
	> 1 µg/L	2,669	2	0.075%	99,126,085	257,737	0.260%
Combined Ground & Surface Water	> 3 µg/L	30,387	5	0.016%	160,012,134	27,063	0.017%
	≥ 1.5 µg/L	30,387	9	0.030%	160,012,134	285,450	0.178%
	> 1 µg/L	30,387	9	0.030%	160,012,134	285,450	0.178%

Table A61a. Toxaphene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	66	46	20	0.000%	0.000%	0.000%												
AL	499	370	129	0.000%	0.000%	0.000%												
AR	1,664	1,423	241	0.060%	0.070%	0.000%	0.2	0.2		0.2	0.2		0.2	0.2		0.2	0.2	
AZ	6,809	5,378	1,431	0.000%	0.000%	0.000%												
CA	12,542	7,285	5,257	0.000%	0.000%	0.000%												
CO	2,524	1,823	701	0.000%	0.000%	0.000%												
CT	1,774	1,184	590	0.451%	0.084%	1.186%	1	2	1	1	2	1	2	2	1	2	2	1
DE	275	257	18	0.000%	0.000%	0.000%												
FL	2,376	2,311	65	0.505%	0.519%	0.000%	0.04	0.04		0.04	0.04		0.1	0.1		0.9	0.9	
GA	1,429	1,350	79	0.280%	0.296%	0.000%	5	5		5	5		5	5		5	5	
HI	1,946	1,849	97	0.000%	0.000%	0.000%												
IA	42	29	13	0.000%	0.000%	0.000%												
ID	1,732	1,476	256	0.000%	0.000%	0.000%												
IL	4,676	3,944	732	0.000%	0.000%	0.000%												
IN	2,229	2,063	166	0.000%	0.000%	0.000%												
KY	1,713	439	1,274	0.350%	0.000%	0.471%	0.07		0.07	1.5		1.5	2.5		2.5	2.5		2.5
MA	2,966	2,189	777	0.135%	0.046%	0.386%	1	1	1	1	1	1	1	1	1	1	1	1
MD	428	76	352	0.000%	0.000%	0.000%												
ME	387	339	48	0.000%	0.000%	0.000%												
MI	6,875	6,423	452	0.000%	0.000%	0.000%												
MN	4,761	4,620	141	0.000%	0.000%	0.000%												
MO	5,237	4,499	738	0.000%	0.000%	0.000%												
MT	2,992	2,691	301	0.000%	0.000%	0.000%												
NC	13,219	12,111	1,108	0.227%	0.239%	0.090%	1	1	1.72	3.465	3.63	1.72	5.1	5.3	1.72	6.8	6.8	1.72
ND	409	341	68	0.000%	0.000%	0.000%												
NE	1,355	1,320	35	0.000%	0.000%	0.000%												
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	5	5	0	0.000%	0.000%	0.000%												
NM	4,335	4,086	249	0.046%	0.049%	0.000%	0.15	0.15		0.32	0.32		0.49	0.49		0.49	0.49	
NV	1,523	1,141	382	0.000%	0.000%	0.000%												
NY	2,879	2,169	710	0.035%	0.046%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
OH	192	75	117	0.000%	0.000%	0.000%												
OK																		
OR	2,052	1,569	483	0.000%	0.000%	0.000%												
RI	598	411	187	0.000%	0.000%	0.000%												
SC	2,920	2,527	393	0.000%	0.000%	0.000%												
SD	953	844	109	0.000%	0.000%	0.000%												
TN	65	12	53	0.000%	0.000%	0.000%												
TX	770	753	17	0.000%	0.000%	0.000%												
UT	7,110	5,922	1,188	0.000%	0.000%	0.000%												
VA	500	178	322	0.000%	0.000%	0.000%												
VT	1,283	1,095	188	0.078%	0.091%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
WI	3,177	3,082	95	0.000%	0.000%	0.000%												
WV	645	335	310	1.860%	2.090%	1.613%	0.1	0.24	0.1	0.34	0.24	0.34	0.5	0.34	1	1	0.34	1
WY	1,278	958	320	0.000%	0.000%	0.000%												
Total	115,403	94,872	20,531	0.070%	0.062%	0.107%	0.04	0.04	0.07	1	1.5	1	4.9	5	2.5	6.8	6.8	2.5

Table A61b. Toxaphene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	15	10	5	24,205	14,306	9,899	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	171	126	45	2,702,037	589,449	2,112,588	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	450	379	71	2,447,627	905,863	1,541,764	0.222%	0.264%	0.000%	0.201%	0.544%	0.000%
AZ	949	901	48	6,081,248	2,710,657	3,370,591	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CA	1,593	1,307	286	33,236,213	11,569,633	21,666,580	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CO	812	593	219	4,992,325	525,416	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	663	625	38	2,596,535	262,648	2,333,887	0.754%	0.160%	10.526%	17.142%	0.168%	19.052%
DE	115	112	3	480,758	199,358	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,309	1,288	21	16,785,212	14,546,036	2,239,176	0.458%	0.466%	0.000%	15.517%	17.905%	0.000%
GA	294	280	14	990,475	298,453	692,022	1.361%	1.429%	0.000%	2.702%	8.968%	0.000%
HI	100	88	12	1,256,886	1,202,258	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	4	3	1	162,197	27,580	134,617	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	716	670	46	978,793	742,327	236,466	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,371	1,267	104	9,186,700	2,986,303	6,200,397	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,401	1,357	44	4,866,641	2,546,905	2,319,736	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
KY	242	93	149	4,602,489	375,460	4,227,029	1.653%	0.000%	2.685%	8.236%	0.000%	8.967%
MA	644	527	117	8,485,078	1,682,696	6,802,382	0.466%	0.190%	1.709%	0.740%	0.351%	0.836%
MD	72	39	33	4,101,506	149,836	3,951,670	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ME	228	204	24	473,968	103,532	370,436	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,935	2,874	61	7,227,231	2,047,375	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,287	1,258	29	3,934,332	2,684,691	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,384	1,308	76	2,624,615	1,680,154	944,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	813	753	60	753,259	360,590	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.127%	0.090%	0.730%	0.055%	0.029%	0.064%
ND	209	182	27	559,198	253,973	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	692	681	11	1,442,549	666,069	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	2	2	0	6,121	6,121	0	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	694	658	36	1,662,842	1,399,944	262,898	0.288%	0.304%	0.000%	0.022%	0.026%	0.000%
NV	288	267	21	960,034	270,143	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,348	1,117	231	4,924,818	981,541	3,943,277	0.074%	0.090%	0.000%	0.001%	0.006%	0.000%
OH	46	36	10	3,527,456	136,924	3,390,532	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OK												
OR	1,084	934	150	2,937,104	572,354	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	85	76	9	901,461	161,483	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	775	716	59	3,436,445	809,662	2,626,783	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	261	240	21	622,272	263,101	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	13	6	7	675,214	145,112	530,102	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	617	609	8	508,429	469,714	38,715	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	427	390	37	2,500,736	1,667,550	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	182	71	111	2,391,215	30,317	2,360,898	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	438	405	33	436,614	185,450	251,164	0.228%	0.247%	0.000%	0.071%	0.166%	0.000%
WI	1,410	1,390	20	3,883,918	2,192,174	1,691,744	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
WV	342	196	146	1,368,270	204,156	1,164,114	2.924%	3.571%	2.055%	0.789%	0.640%	0.815%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	30,387	27,718	2,669	160,012,134	60,886,049	99,126,085	0.132%	0.094%	0.525%	2.211%	4.344%	0.901%

Table A61c. Toxaphene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 3 µg/L			Percent of Systems with At Least One Detection > 3 µg/L			Population Served by Systems with At Least One Detection > 3 µg/L			Percent of Population Served with At Least One Detection > 3 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	4	4	0	1.361%	1.429%	0.000%	26,765	26,765	0	2.702%	8.968%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	1	0	0.042%	0.045%	0.000%	298	298	0	0.004%	0.017%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	5	5	0	0.016%	0.018%	0.000%	27,063	27,063	0	0.017%	0.044%	0.000%

Table A61d. Toxaphene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.151%	0.160%	0.000%	440	440	0	0.017%	0.168%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	4	4	0	1.361%	1.429%	0.000%	26,765	26,765	0	2.702%	8.968%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	254,462	0	254,462	5.529%	0.000%	6.020%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	2	1	0.127%	0.090%	0.730%	3,783	508	3,275	0.055%	0.029%	0.064%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	9	7	2	0.030%	0.025%	0.075%	285,450	27,713	257,737	0.178%	0.046%	0.260%

Table A61e. Toxaphene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 1 µg/L			Percent of Systems with At Least One Detection > 1 µg/L			Population Served by Systems with At Least One Detection > 1 µg/L			Percent of Population Served with At Least One Detection > 1 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.151%	0.160%	0.000%	440	440	0	0.017%	0.168%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	4	4	0	1.361%	1.429%	0.000%	26,765	26,765	0	2.702%	8.968%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.413%	0.000%	0.671%	254,462	0	254,462	5.529%	0.000%	6.020%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	3	2	1	0.127%	0.090%	0.730%	3,783	508	3,275	0.055%	0.029%	0.064%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	9	7	2	0.030%	0.025%	0.075%	285,450	27,713	257,737	0.178%	0.046%	0.260%

Table A62. 1,2,4-Trichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 70 µg/L	45,887	0	0.000%	86,306,318	0	0.000%
	≥ 35 µg/L	45,887	2	0.004%	86,306,318	2,131	0.002%
Surface Water	> 70 µg/L	4,248	0	0.000%	140,535,784	0	0.000%
	≥ 35 µg/L	4,248	0	0.000%	140,535,784	0	0.000%
Combined Ground & Surface Water	> 70 µg/L	50,135	0	0.000%	226,842,102	0	0.000%
	≥ 35 µg/L	50,135	2	0.004%	226,842,102	2,131	0.001%

Table A62a. 1,2,4-Trichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,113	1,976	1,137	0.128%	0.152%	0.088%	0.25	0.38	0.25	0.61	0.84	0.25	2.9	2.9	0.25	2.9	2.9	0.25
AL	820	596	224	0.000%	0.000%	0.000%												
AR	2,383	1,915	468	0.504%	0.522%	0.427%	0.11	0.11	0.11	0.135	0.135	0.175	0.24	0.26	0.24	0.29	0.29	0.24
AZ	11,713	9,543	2,170	0.034%	0.010%	0.138%	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
CA	84,520	44,744	39,776	0.012%	0.011%	0.013%	0.53	0.6	0.53	1.3	0.84	1.4	6.1	2.2	10	10	2.2	10
CO	2,871	2,131	740	0.383%	0.469%	0.135%	0.04	0.04	0.05	0.08	0.08	0.05	0.52	0.61	0.05	0.7	0.7	0.05
CT	6,937	6,046	891	0.086%	0.099%	0.000%	0.7	0.7		1	1		1.1	1.1		1.1	1.1	
DE	1,047	1,017	30	0.000%	0.000%	0.000%												
FL	4,143	4,075	68	0.169%	0.172%	0.000%	0.09	0.09		0.12	0.12		0.5	0.5		0.5	0.5	
GA	7,176	6,349	827	0.000%	0.000%	0.000%												
HI	1,789	1,686	103	0.000%	0.000%	0.000%												
IA	1,762	1,637	125	0.000%	0.000%	0.000%												
ID	3,764	3,303	461	0.000%	0.000%	0.000%												
IL	6,523	5,969	554	0.015%	0.017%	0.000%	0.65	0.65		0.65	0.65		0.65	0.65		0.65	0.65	
IN	4,621	4,311	310	0.022%	0.023%	0.000%	6.5	6.5		6.5	6.5		6.5	6.5		6.5	6.5	
KY	3,312	1,125	2,187	0.332%	0.000%	0.503%	0.003		0.003	0.12		0.12	0.5		0.5	1		1
MA	16,249	12,259	3,990	0.006%	0.008%	0.000%	1	1		1	1		1	1		1	1	
MD	6,768	5,506	1,262	0.044%	0.054%	0.000%	0.6	0.6		1.8	1.8		1.9	1.9		1.9	1.9	
ME	3,696	3,381	315	0.000%	0.000%	0.000%												
MI	10,753	9,743	1,010	0.000%	0.000%	0.000%												
MN	8,581	7,332	1,249	0.000%	0.000%	0.000%												
MO	7,544	6,695	849	0.080%	0.090%	0.000%	0.5	0.5		0.725	0.725		1.22	1.22		1.22	1.22	
MT	4,493	3,953	540	0.000%	0.000%	0.000%												
NC	19,035	17,455	1,580	0.079%	0.086%	0.000%	0.5	0.5		1.2	1.2		70	70		70	70	
ND	543	411	132	0.000%	0.000%	0.000%												
NE	6,844	6,265	579	0.000%	0.000%	0.000%												
NH	9,581	9,103	478	0.073%	0.077%	0.000%	0.5	0.5		0.76	0.76		2.9	2.9		2.9	2.9	
NJ	20,349	18,561	1,788	0.074%	0.075%	0.056%	0.05	0.05	0.7	0.35	0.34	0.7	0.99	0.99	0.7	1	1	0.7
NM	6,577	6,101	476	0.046%	0.049%	0.000%	0.2	0.2		0.3	0.3		0.5	0.5		0.5	0.5	
NV	3,209	2,576	633	0.031%	0.039%	0.000%	5.5	5.5		5.5	5.5		5.5	5.5		5.5	5.5	
NY	7,099	5,429	1,670	0.099%	0.092%	0.120%	0.5	0.5	0.5	0.5	0.5	0.5	9.5	9.5	0.5	9.5	9.5	0.5
OH	8,828	7,672	1,156	0.068%	0.078%	0.000%	0.5	0.5		1.82	1.82		9.3	9.3		9.3	9.3	
OK	5,638	4,202	1,436	0.018%	0.000%	0.070%	0.91		0.91	0.91		0.91	0.91		0.91		0.91	
OR	2,324	1,682	642	0.043%	0.059%	0.000%	0.61	0.61		0.61	0.61		0.61	0.61		0.61	0.61	
RI	1,957	1,589	368	0.000%	0.000%	0.000%												
SC	4,324	3,787	537	0.023%	0.026%	0.000%	0.56	0.56		0.56	0.56		0.56	0.56		0.56	0.56	
SD	889	855	34	0.112%	0.117%	0.000%	0.66	0.66		0.66	0.66		0.66	0.66		0.66	0.66	
TN	2,946	1,166	1,780	0.000%	0.000%	0.000%												
TX	34,148	27,042	7,106	0.061%	0.055%	0.084%	0.5	0.5	0.6	0.7	0.6	0.8	2.74	2.82	0.9	2.82	2.82	0.9
UT	8,981	7,555	1,426	0.000%	0.000%	0.000%												
VA	4,928	4,055	873	0.264%	0.321%	0.000%	0.6	0.6		0.9	0.9		1.5	1.5		1.7	1.7	
VT	4,271	3,884	387	0.023%	0.026%	0.000%	0.95	0.95		0.95	0.95		0.95	0.95		0.95	0.95	
WI	11,293	11,168	125	0.027%	0.027%	0.000%	0.02	0.02		0.37	0.37		0.8	0.8		0.8	0.8	
WV	1,134	443	691	1.499%	2.709%	0.724%	0.24	0.24	0.4	0.5	0.5	0.5	1	0.5	1	4.97	4.97	1
WY	1,656	1,153	503	0.000%	0.000%	0.000%												
Total	371,132	287,446	83,686	0.051%	0.053%	0.045%	0.003	0.02	0.003	0.6	0.6	0.5	2.2	2.74	1.2	70	70	10



Table A62b. 1,2,4-Trichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.645%	0.633%	0.685%	0.175%	0.226%	0.143%
AL	263	202	61	4,218,278	1,123,190	3,095,088	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	2.643%	2.618%	2.778%	1.673%	3.769%	0.437%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.189%	0.099%	2.083%	4.877%	0.026%	8.901%
CA	3,595	3,083	512	35,819,126	13,507,460	22,311,666	0.250%	0.130%	0.977%	1.379%	0.967%	1.628%
CO	826	605	221	4,997,841	530,207	4,467,634	1.090%	1.322%	0.452%	0.145%	1.326%	0.005%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.083%	0.086%	0.000%	0.001%	0.007%	0.000%
DE	318	315	3	698,987	417,587	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,510	1,484	26	17,495,564	15,249,522	2,246,042	0.331%	0.337%	0.000%	1.824%	2.093%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,184	1,084	100	9,132,188	2,936,410	6,195,778	0.084%	0.092%	0.000%	0.005%	0.017%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.068%	0.070%	0.000%	0.001%	0.002%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	2.075%	0.000%	3.356%	7.905%	0.000%	8.607%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.139%	0.167%	0.000%	0.289%	1.413%	0.000%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.190%	0.203%	0.000%	0.000%	0.002%	0.000%
ME	810	757	53	728,347	292,773	435,574	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.423%	0.448%	0.000%	0.559%	0.993%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.634%	0.673%	0.000%	0.062%	0.249%	0.000%
ND	209	182	27	562,332	257,107	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	0.556%	0.575%	0.000%	0.372%	0.885%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	1.073%	1.029%	2.703%	1.789%	3.525%	0.854%
NM	727	688	39	1,698,980	1,432,432	266,548	0.413%	0.436%	0.000%	5.015%	5.948%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.296%	0.315%	0.000%	0.003%	0.009%	0.000%
NY	1,525	1,289	236	4,895,099	1,044,497	3,850,602	0.459%	0.388%	0.847%	0.097%	0.423%	0.008%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.309%	0.330%	0.000%	0.042%	0.138%	0.000%
OK	730	518	212	3,123,687	664,833	2,458,854	0.137%	0.000%	0.472%	0.063%	0.000%	0.080%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.091%	0.106%	0.000%	0.002%	0.011%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	817	755	62	3,356,049	732,097	2,623,952	0.122%	0.132%	0.000%	0.003%	0.016%	0.000%
SD	245	233	12	266,416	194,218	72,198	0.408%	0.429%	0.000%	0.176%	0.242%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.323%	0.260%	1.170%	0.647%	0.404%	0.790%
UT	500	454	46	2,553,197	1,698,877	854,320	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	1,600	1,429	171	5,273,258	630,675	4,642,583	0.563%	0.630%	0.000%	0.089%	0.742%	0.000%
VT	603	560	43	491,035	227,067	263,968	0.166%	0.179%	0.000%	0.018%	0.040%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	0.168%	0.170%	0.000%	0.034%	0.058%	0.000%
WV	400	240	160	1,415,792	237,442	1,178,350	4.000%	5.000%	2.500%	2.503%	1.177%	2.770%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,135	45,887	4,248	226,842,102	86,306,318	140,535,784	0.321%	0.292%	0.636%	0.889%	0.903%	0.880%

Table A62c. 1,2,4-Trichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 70 µg/L			Percent of Systems with At Least One Detection > 70 µg/L			Population Served by Systems with At Least One Detection > 70 µg/L			Percent of Population Served with At Least One Detection > 70 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A62d. 1,2,4-Trichlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 35 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 35 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 35 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 35 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	2	2	0	0.084%	0.090%	0.000%	2,131	2,131	0	0.030%	0.123%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	2	0	0.004%	0.004%	0.000%	2,131	2,131	0	0.001%	0.002%	0.000%

Table A63. 1,1,1-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 200 µg/L	46,183	2	0.004%	86,390,348	226	0.000%
	≥ 100 µg/L	46,183	2	0.004%	86,390,348	226	0.000%
Surface Water	> 200 µg/L	4,257	0	0.000%	140,541,198	0	0.000%
	≥ 100 µg/L	4,257	0	0.000%	140,541,198	0	0.000%
Combined Ground & Surface Water	> 200 µg/L	50,440	2	0.004%	226,931,546	226	0.000%
	≥ 100 µg/L	50,440	2	0.004%	226,931,546	226	0.000%

Table A63a. 1,1,1-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,105	1,968	1,137	1.127%	1.677%	0.176%	0.3	0.3	0.34	1.3	1.34	0.34	15.4	15.4	0.34	39.6	39.6	0.34
AL	850	626	224	4.235%	5.751%	0.000%	0.5	0.5		0.795	0.795		1.4	1.4		2.4	2.4	
AR	2,394	1,926	468	0.084%	0.104%	0.000%	0.2	0.2		0.825	0.825		1.45	1.45		1.45	1.45	
AZ	12,599	9,548	3,051	0.087%	0.063%	0.164%	0.5	0.6	0.5	0.7	0.75	0.5	2	2	4.2	4.2	2	4.2
CA	86,649	45,586	41,063	1.144%	0.847%	1.473%	0.5	0.5	0.5	1	1.2	0.99	4.7	7.5	4.1	92	14	92
CO	2,874	2,134	740	0.070%	0.094%	0.000%	0.51	0.51		0.555	0.555		0.6	0.6		0.6	0.6	
CT	6,938	6,047	891	2.681%	2.431%	4.377%	0.5	0.5	0.5	1.615	1.8	1.4	8.79	10.6	3.3	29.8	29.8	4.3
DE	1,048	1,019	29	0.286%	0.294%	0.000%	0.5	0.5		0.51	0.51		1.67	1.67		1.67	1.67	
FL	4,147	4,079	68	0.096%	0.098%	0.000%	0.08	0.08		0.21	0.21		0.42	0.42		0.42	0.42	
GA	7,176	6,349	827	0.111%	0.126%	0.000%	0.5	0.5		0.595	0.595		0.9	0.9		0.9	0.9	
HI	1,792	1,689	103	0.000%	0.000%	0.000%												
IA	1,789	1,660	129	1.062%	0.843%	3.876%	0.5	0.5	0.6	2.1	3.75	0.7	6.1	6.1	0.7	8.2	8.2	0.7
ID	3,764	3,303	461	0.213%	0.242%	0.000%	0.3	0.3		0.53	0.53		7.2	7.2		7.2	7.2	
IL	7,030	6,464	566	2.575%	2.800%	0.000%	0.5	0.5		1.4	1.4		5.3	5.3		1400	1400	
IN	4,621	4,311	310	1.536%	1.647%	0.000%	0.5	0.5		1.9	1.9		8.5	8.5		60	60	
KY	3,313	1,126	2,187	0.483%	1.066%	0.183%	0.1	0.1	0.5	0.5	0.45	0.5	3.2	3.2	1	3.3	3.3	1
MA	16,249	12,259	3,990	1.612%	1.746%	1.203%	0.4	0.4	0.5	1	1	1	11	14	6.3	63	63	14.9
MD	6,772	5,510	1,262	1.270%	1.053%	2.219%	0.2	0.4	0.2	1	0.9	3.5	5.6	2.8	6.4	38	38	17.6
ME	3,698	3,383	315	1.001%	1.094%	0.000%	0.48	0.48		0.9	0.9		16	16		31	31	
MI	10,754	9,744	1,010	0.567%	0.626%	0.000%	0.4	0.4		0.6	0.6		1.8	1.8		4.1	4.1	
MN	8,582	7,333	1,249	0.839%	0.955%	0.160%	0.2	0.2	0.2	0.5	0.5	0.25	2.4	2.4	0.3	4.7	4.7	0.3
MO	7,544	6,695	849	0.066%	0.075%	0.000%	0.6	0.6		0.8	0.8		0.9	0.9		0.9	0.9	
MT	4,495	3,956	539	0.311%	0.354%	0.000%	0.59	0.59		2.95	2.95		16	16		29	29	
NC	19,068	17,488	1,580	0.273%	0.280%	0.190%	0.5	0.5	0.57	1.215	1.26	0.6	11	12.8	0.6	44.6	44.6	0.6
ND	552	417	135	0.725%	0.959%	0.000%	1.22	1.22		3.9	3.9		9.17	9.17		9.17	9.17	
NE	6,844	6,265	579	0.687%	0.750%	0.000%	0.17	0.17		1.08	1.08		5.5	5.5		16	16	
NH	9,600	9,115	485	0.771%	0.669%	2.680%	0.009	0.009	0.57	1.2	1.29	1	2.38	2.3	9.2	9.5	8.1	9.5
NJ	20,364	18,576	1,788	2.932%	2.988%	2.349%	0.04	0.04	0.2	0.82	0.88	0.6	3.77	3.98	1	11.8	11.8	1.9
NM	6,577	6,101	476	0.334%	0.361%	0.000%	0.2	0.2		0.5	0.5		2.1	2.1		3	3	
NV	3,209	2,577	632	0.530%	0.660%	0.000%	0.1	0.1		0.67	0.67		1.4	1.4		6.01	6.01	
NY	7,092	5,424	1,668	0.874%	1.088%	0.180%	0.4	0.4	0.5	1.15	1.3	0.5	6.9	7.2	0.5	500	500	0.5
OH	8,856	7,694	1,162	0.926%	1.053%	0.086%	0.5	0.5	0.59	1.5	1.5	0.59	6.1	6.1	0.59	68.9	68.9	0.59
OK	5,636	4,201	1,435	0.035%	0.024%	0.070%	0.5	0.5	0.6	0.55	0.5	0.6	0.6	0.5	0.6	0.6	0.5	0.6
OR	2,327	1,685	642	1.031%	1.424%	0.000%	0.5	0.5		0.685	0.685		1	1		1.7	1.7	
RI	1,959	1,591	368	1.940%	2.388%	0.000%	0.4	0.4		0.8	0.8		2	2		6	6	
SC	4,342	3,803	539	0.184%	0.210%	0.000%	0.54	0.54		3.76	3.76		7	7		7	7	
SD	889	855	34	0.225%	0.234%	0.000%	0.51	0.51		1.335	1.335		2.16	2.16		2.16	2.16	
TN	2,946	1,166	1,780	0.170%	0.429%	0.000%	0.5	0.5		0.8	0.8		1.6	1.6		1.6	1.6	
TX	34,146	27,042	7,104	0.056%	0.067%	0.014%	0.5	0.5	7.8	0.8	0.77	7.8	2.7	2.6	7.8	7.8	2.7	7.8
UT	8,990	7,559	1,431	0.000%	0.000%	0.000%												
VA	4,930	4,057	873	0.385%	0.468%	0.000%	0.8	0.8		2.1	2.1		6.7	6.7		11	11	
VT	4,350	3,956	394	0.920%	1.011%	0.000%	0.3	0.3		0.855	0.855		2.9	2.9		4.3	4.3	
WI	11,292	11,167	125	2.993%	3.018%	0.800%	0.03	0.03	0.41	0.55	0.55	0.41	6.3	6.3	0.41	34	34	0.41
WV	1,140	444	696	4.035%	7.432%	1.868%	0.17	0.17	0.4	1.55	2.8	1	4.4	4.4	2	6	5.5	6
WY	1,658	1,155	503	0.181%	0.260%	0.000%	0.5	0.5		0.7	0.7		8.02	8.02		8.02	8.02	
Total	374,950	289,053	85,897	0.963%	0.967%	0.950%	0.009	0.009	0.2	1	1	0.97	5.2	5.6	4.3	1400	1400	92

Table A63b. 1,1,1-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	1.452%	1.688%	0.685%	8.233%	21.443%	0.009%
AL	263	202	61	4,218,278	1,123,190	3,095,088	1.521%	1.980%	0.000%	0.773%	2.904%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.441%	0.524%	0.000%	0.187%	0.503%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.567%	0.297%	6.250%	8.667%	1.938%	14.250%
CA	3,653	3,136	517	35,828,228	13,515,767	22,312,461	0.602%	0.415%	1.741%	19.948%	6.400%	28.155%
CO	826	605	221	4,997,841	530,207	4,467,634	0.242%	0.331%	0.000%	0.003%	0.024%	0.000%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	1.823%	1.627%	7.692%	6.306%	6.725%	6.236%
DE	318	315	3	698,987	417,587	281,400	0.314%	0.317%	0.000%	0.044%	0.073%	0.000%
FL	1,509	1,483	26	17,495,514	15,249,472	2,246,042	0.265%	0.270%	0.000%	0.753%	0.864%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.055%	0.059%	0.000%	0.001%	0.003%	0.000%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.473%	0.391%	3.030%	3.172%	5.292%	0.430%
ID	935	878	57	1,093,666	837,604	256,062	0.642%	0.683%	0.000%	0.126%	0.164%	0.000%
IL	1,430	1,326	104	9,217,581	3,017,184	6,200,397	0.909%	0.980%	0.000%	2.144%	6.551%	0.000%
IN	1,472	1,428	44	4,885,505	2,565,769	2,319,736	1.155%	1.190%	0.000%	4.710%	8.968%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	2.490%	2.174%	2.685%	2.477%	1.236%	2.587%
MA	718	600	118	8,557,325	1,749,901	6,807,424	4.596%	4.500%	5.085%	4.691%	17.877%	1.302%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	1.613%	1.217%	7.353%	35.327%	4.799%	43.156%
ME	810	757	53	728,347	292,773	435,574	0.988%	1.057%	0.000%	2.213%	5.506%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.538%	0.550%	0.000%	0.754%	2.730%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	1.454%	1.418%	3.333%	4.624%	6.185%	0.862%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.282%	0.299%	0.000%	0.201%	0.357%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.354%	0.381%	0.000%	0.074%	0.154%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	1.098%	1.032%	2.158%	0.873%	0.485%	1.001%
ND	210	183	27	562,397	257,172	305,225	0.952%	1.093%	0.000%	9.587%	20.966%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	1.038%	1.053%	0.000%	4.826%	10.290%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	1.908%	1.726%	7.317%	9.181%	6.543%	11.095%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	6.795%	6.539%	16.216%	30.649%	21.470%	35.594%
NM	727	688	39	1,698,980	1,432,432	266,548	0.963%	1.017%	0.000%	0.194%	0.230%	0.000%
NV	338	317	21	973,592	283,701	689,891	1.183%	1.262%	0.000%	2.770%	9.505%	0.000%
NY	1,524	1,288	236	4,894,939	1,044,337	3,850,602	1.444%	1.475%	1.271%	7.693%	10.081%	7.045%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.772%	0.770%	0.800%	0.393%	1.281%	0.001%
OK	730	518	212	3,123,687	664,833	2,458,854	0.274%	0.193%	0.472%	0.049%	0.024%	0.055%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.182%	0.212%	0.000%	1.041%	5.325%	0.000%
RI	145	136	9	913,884	173,906	739,978	4.828%	5.147%	0.000%	2.953%	15.519%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.244%	0.264%	0.000%	0.020%	0.093%	0.000%
SD	245	233	12	266,416	194,218	72,198	0.816%	0.858%	0.000%	0.349%	0.479%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.285%	0.617%	0.000%	0.027%	0.104%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.121%	0.108%	0.292%	0.033%	0.033%	0.032%
UT	500	454	46	2,553,197	1,698,877	854,320	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	1,599	1,428	171	5,273,058	630,475	4,642,583	0.250%	0.280%	0.000%	0.010%	0.085%	0.000%
VT	603	560	43	491,035	227,067	263,968	1.161%	1.250%	0.000%	1.081%	2.337%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	3.307%	3.288%	5.000%	12.784%	20.526%	2.039%
WV	403	243	160	1,416,020	237,670	1,178,350	4.963%	6.584%	2.500%	3.436%	2.033%	3.718%
WY	304	256	48	446,177	129,229	316,948	0.987%	1.172%	0.000%	0.334%	1.155%	0.000%
Total	50,440	46,183	4,257	226,931,546	86,390,348	140,541,198	1.075%	1.052%	1.315%	6.559%	4.369%	7.905%

Table A63c. 1,1,1-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 200 µg/L			Percent of Systems with At Least One Detection > 200 µg/L			Population Served by Systems with At Least One Detection > 200 µg/L			Percent of Population Served with At Least One Detection > 200 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	150	150	0	0.002%	0.005%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	76	76	0	0.002%	0.007%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	2	0	0.004%	0.004%	0.000%	226	226	0	0.0001%	0.000%	0.000%

Table A63d. 1,1,1-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 100 µg/L			Percent of Systems with At Least One Detection ≥ 100 µg/L			Population Served by Systems with At Least One Detection ≥ 100 µg/L			Percent of Population Served with At Least One Detection ≥ 100 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.070%	0.075%	0.000%	150	150	0	0.002%	0.005%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	76	76	0	0.002%	0.007%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	2	2	0	0.004%	0.004%	0.000%	226	226	0	0.0001%	0.000%	0.000%



Table A64. 1,1,2-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 µg/L	45,942	5	0.011%	86,314,890	20,910	0.024%
	≥ 3 µg/L	45,942	7	0.015%	86,314,890	31,838	0.037%
	≥ 2.5 µg/L	45,942	8	0.017%	86,314,890	31,882	0.037%
Surface Water	> 5 µg/L	4,253	2	0.047%	140,536,579	105,441	0.075%
	≥ 3 µg/L	4,253	5	0.118%	140,536,579	320,808	0.228%
	≥ 2.5 µg/L	4,253	5	0.118%	140,536,579	320,808	0.228%
Combined Ground & Surface Water	> 5 µg/L	50,195	7	0.014%	226,851,469	126,351	0.056%
	≥ 3 µg/L	50,195	12	0.024%	226,851,469	352,646	0.155%
	≥ 2.5 µg/L	50,195	13	0.026%	226,851,469	352,690	0.155%

Table A64a. 1,1,2-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,107	1,970	1,137	0.097%	0.102%	0.088%	0.12	0.12	1.31	0.55	0.335	1.31	1.31	0.55	1.31	1.31	0.55	1.31
AL	820	596	224	0.000%	0.000%	0.000%												
AR	2,394	1,926	468	0.084%	0.052%	0.214%	0.15	0.3	0.15	0.225	0.3	0.15	0.3	0.3	0.15	0.3	0.3	0.15
AZ	11,718	9,550	2,168	0.026%	0.000%	0.138%	0.5		0.5	0.5		0.5	0.5		0.5	0.5		0.5
CA	85,674	45,401	40,273	0.133%	0.004%	0.278%	0.5	1	0.5	0.7	4.9	0.7	3	8.8	2.9	40	8.8	40
CO	2,865	2,126	739	0.175%	0.047%	0.541%	0.1	0.2	0.1	0.2	0.2	0.25	0.8	0.2	0.8	0.8	0.2	0.8
CT	6,938	6,047	891	0.043%	0.050%	0.000%	0.74	0.74		2.3	2.3		4.3	4.3		4.3	4.3	
DE	1,048	1,018	30	0.000%	0.000%	0.000%												
FL	4,147	4,079	68	0.145%	0.147%	0.000%	0.08	0.08		0.265	0.265		0.89	0.89		0.89	0.89	
GA	7,176	6,349	827	0.042%	0.032%	0.121%	0.56	18	0.56	18	27	0.56	36	36	0.56	36	36	0.56
HI	1,789	1,686	103	0.000%	0.000%	0.000%												
IA	1,762	1,637	125	0.000%	0.000%	0.000%												
ID	3,765	3,304	461	0.000%	0.000%	0.000%												
IL	6,519	5,965	554	0.031%	0.034%	0.000%	0.52	0.52		3.06	3.06		5.6	5.6		5.6	5.6	
IN	4,621	4,311	310	0.022%	0.023%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
KY	3,312	1,125	2,187	0.211%	0.089%	0.274%	0.04	0.5	0.04	0.5	0.5	0.5	1	0.5	1	1	0.5	1
MA	16,249	12,259	3,990	0.006%	0.000%	0.025%	0.68		0.68	0.68		0.68	0.68		0.68	0.68		0.68
MD	6,770	5,509	1,261	0.074%	0.036%	0.238%	0.5	0.6	0.5	0.6	1.3	0.6	2	2	1.8	2	2	1.8
ME	3,698	3,383	315	0.027%	0.030%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
MI	10,753	9,743	1,010	0.000%	0.000%	0.000%												
MN	8,584	7,335	1,249	0.280%	0.286%	0.240%	0.2	0.2	0.2	0.6	0.6	0.2	1.1	1.1	0.2	1.2	1.2	0.2
MO	7,544	6,695	849	0.000%	0.000%	0.000%												
MT	4,491	3,952	539	0.022%	0.025%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
NC	19,065	17,486	1,579	0.016%	0.006%	0.127%	0.54	0.54	0.86	0.86	0.54	2	3.14	0.54	3.14	3.14	0.54	3.14
ND	552	417	135	0.000%	0.000%	0.000%												
NE	6,844	6,265	579	0.029%	0.032%	0.000%	0.55	0.55		0.675	0.675		0.8	0.8		0.8	0.8	
NH	9,581	9,103	478	0.000%	0.000%	0.000%												
NJ	20,362	18,574	1,788	0.108%	0.118%	0.000%	0.21	0.21		1.02	1.02		1.8	1.8		2.6	2.6	
NM	6,577	6,101	476	0.000%	0.000%	0.000%												
NV	3,207	2,574	633	0.000%	0.000%	0.000%												
NY	7,078	5,410	1,668	0.113%	0.111%	0.120%	0.5	0.5	0.5	0.5	0.65	0.5	10.1	10.1	0.5	10.1	10.1	0.5
OH	8,848	7,686	1,162	0.011%	0.013%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
OK	5,634	4,199	1,435	0.000%	0.000%	0.000%												
OR	2,324	1,682	642	0.000%	0.000%	0.000%												
RI	1,959	1,591	368	0.000%	0.000%	0.000%												
SC	4,344	3,805	539	0.000%	0.000%	0.000%												
SD	889	855	34	0.000%	0.000%	0.000%												
TN	2,937	1,165	1,772	0.000%	0.000%	0.000%												
TX	34,144	27,040	7,104	0.000%	0.000%	0.000%												
UT	8,979	7,555	1,424	0.011%	0.013%	0.000%	0.5	0.5		0.5	0.5		0.5	0.5		0.5	0.5	
VA	4,931	4,058	873	0.000%	0.000%	0.000%												
VT	4,349	3,955	394	0.046%	0.051%	0.000%	0.3	0.3		0.65	0.65		1	1		1	1	
WI	11,290	11,165	125	0.027%	0.027%	0.000%	0.01	0.01		3.2	3.2		15	15		15	15	
WV	1,141	445	696	1.227%	2.472%	0.431%	0.18	0.18	0.5	0.5	0.5	0.5	0.5	0.5	1	1	0.5	1
WY	1,607	1,121	486	0.000%	0.000%	0.000%												
Total	372,386	288,218	84,168	0.064%	0.033%	0.169%	0.01	0.01	0.04	0.6	0.54	0.7	2.4	2.3	2.4	40	36	40

Table A64b. 1,1,2-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.323%	0.211%	0.685%	0.254%	0.598%	0.040%
AL	263	202	61	4,218,278	1,123,190	3,095,088	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.441%	0.262%	1.389%	0.816%	0.437%	1.040%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	0.094%	0.000%	2.083%	4.865%	0.000%	8.901%
CA	3,651	3,134	517	35,827,628	13,515,167	22,312,461	0.192%	0.064%	0.967%	1.426%	1.474%	1.396%
CO	826	605	221	4,997,841	530,207	4,467,634	0.605%	0.165%	1.810%	0.024%	0.011%	0.026%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.249%	0.257%	0.000%	0.201%	1.403%	0.000%
DE	318	315	3	698,987	417,587	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,509	1,483	26	17,495,514	15,249,472	2,246,042	0.331%	0.337%	0.000%	2.554%	2.930%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.110%	0.059%	0.862%	0.091%	0.044%	0.104%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,184	1,084	100	9,132,188	2,936,410	6,195,778	0.169%	0.185%	0.000%	0.015%	0.048%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.068%	0.070%	0.000%	0.003%	0.006%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	2.490%	1.087%	3.356%	7.913%	0.091%	8.607%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.139%	0.000%	0.847%	0.274%	0.000%	0.344%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.380%	0.203%	2.941%	2.191%	0.528%	2.617%
ME	810	757	53	728,347	292,773	435,574	0.123%	0.132%	0.000%	0.030%	0.073%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.379%	0.193%	10.000%	0.974%	0.968%	0.990%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	848	788	60	757,949	365,280	392,669	0.118%	0.127%	0.000%	0.013%	0.026%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.127%	0.045%	1.439%	0.219%	0.010%	0.288%
ND	210	183	27	562,397	257,172	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.259%	0.263%	0.000%	0.470%	1.002%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	0.572%	0.588%	0.000%	0.475%	1.357%	0.000%
NM	727	688	39	1,698,980	1,432,432	266,548	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,524	1,288	236	4,894,939	1,044,337	3,850,602	0.459%	0.388%	0.847%	0.097%	0.425%	0.008%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.051%	0.055%	0.000%	0.000%	0.001%	0.000%
OK	730	518	212	3,123,687	664,833	2,458,854	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SD	245	233	12	266,416	194,218	72,198	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	500	454	46	2,553,197	1,698,877	854,320	0.200%	0.220%	0.000%	4.308%	6.475%	0.000%
VA	1,600	1,429	171	5,273,258	630,675	4,642,583	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	603	560	43	491,035	227,067	263,968	0.332%	0.357%	0.000%	0.967%	2.090%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	0.168%	0.170%	0.000%	0.428%	0.736%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.474%	4.527%	1.875%	2.193%	1.018%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,195	45,942	4,253	226,851,469	86,314,890	140,536,579	0.179%	0.128%	0.729%	0.908%	1.016%	0.842%

Table A64c. 1,1,2-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 µg/L			Percent of Systems with At Least One Detection > 5 µg/L			Population Served by Systems with At Least One Detection > 5 µg/L			Percent of Population Served with At Least One Detection > 5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	3	1	2	0.082%	0.032%	0.387%	114,542	9,101	105,441	0.320%	0.067%	0.473%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	700	700	0	0.009%	0.044%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.084%	0.092%	0.000%	1,059	1,059	0	0.012%	0.036%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.161%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.056%	0.057%	0.000%	8,365	8,365	0	0.207%	0.356%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	7	5	2	0.014%	0.011%	0.047%	126,351	20,910	105,441	0.056%	0.024%	0.075%

Table A64d. 1,1,2-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 3 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 3 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 3 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 3 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	5	1	4	0.137%	0.032%	0.774%	320,159	9,101	311,058	0.894%	0.067%	1.394%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.083%	0.086%	0.000%	2,800	2,800	0	0.103%	0.719%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	700	700	0	0.009%	0.044%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.084%	0.092%	0.000%	1,059	1,059	0	0.012%	0.036%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	0	1	0.042%	0.000%	0.719%	9,750	0	9,750	0.139%	0.000%	0.185%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.161%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	2	2	0	0.112%	0.113%	0.000%	16,493	16,493	0	0.408%	0.702%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	12	7	5	0.024%	0.015%	0.118%	352,646	31,838	320,808	0.155%	0.037%	0.228%

Table A64e. 1,1,2-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	5	1	4	0.137%	0.032%	0.774%	320,159	9,101	311,058	0.894%	0.067%	1.394%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	1	0	0.083%	0.086%	0.000%	2,800	2,800	0	0.103%	0.719%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	700	700	0	0.009%	0.044%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	1	1	0	0.084%	0.092%	0.000%	1,059	1,059	0	0.012%	0.036%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	1	0	1	0.042%	0.000%	0.719%	9,750	0	9,750	0.139%	0.000%	0.185%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	1	1	0	0.072%	0.073%	0.000%	44	44	0	0.001%	0.002%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.161%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	2	2	0	0.112%	0.113%	0.000%	16,493	16,493	0	0.408%	0.702%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	13	8	5	0.026%	0.017%	0.118%	352,690	31,882	320,808	0.155%	0.037%	0.228%

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 50 µg/L	29,954	0	0.000%	66,468,861	0	0.000%
	≥ 25 µg/L	29,954	1	0.003%	66,468,861	240	0.000%
Surface Water	> 50 µg/L	2,933	0	0.000%	116,531,907	0	0.000%
	≥ 25 µg/L	2,933	0	0.000%	116,531,907	0	0.000%
Combined Ground & Surface Water	> 50 µg/L	32,887	0	0.000%	183,000,768	0	0.000%
	≥ 25 µg/L	32,887	1	0.003%	183,000,768	240	0.000%

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	73	39	34	0.000%	0.000%	0.000%												
AL	541	396	145	0.000%	0.000%	0.000%												
AR	1,588	1,357	231	0.000%	0.000%	0.000%												
AZ	6,802	5,383	1,419	0.118%	0.130%	0.070%	0.2	0.2	0.2	0.2	0.2	0.2	0.26	0.26	0.2	0.26	0.26	0.2
CA	14,002	8,170	5,832	0.007%	0.012%	0.000%	0.23	0.23		0.23	0.23		0.23	0.23		0.23	0.23	
CO	2,527	1,850	677	0.000%	0.000%	0.000%												
CT	1,599	1,013	586	0.438%	0.000%	1.195%	0.24		0.24	0.44		0.44	0.44		0.44	0.44		0.44
DE	826	788	38	0.000%	0.000%	0.000%												
FL	2,388	2,321	67	0.461%	0.474%	0.000%	0.03	0.03		1	1		1	1		28	28	
GA	1,432	1,354	78	0.000%	0.000%	0.000%												
HI																		
IA	1,731	1,601	130	0.000%	0.000%	0.000%												
ID	2,075	1,795	280	0.000%	0.000%	0.000%												
IL	4,005	3,463	542	0.000%	0.000%	0.000%												
IN	2,280	2,109	171	0.132%	0.095%	0.585%	0.1	0.1	0.1	0.1	0.15	0.1	0.2	0.2	0.1	0.2	0.2	0.1
KY	1,750	441	1,309	0.457%	0.000%	0.611%	0.02		0.02	0.2		0.2	0.5		0.5	0.5		0.5
MA	2,975	2,183	792	0.235%	0.183%	0.379%	0.1	0.1	0.1	0.2	0.45	0.2	2	2	0.2	2	2	0.2
MD	2,494	1,699	795	0.922%	0.883%	1.006%	0.05	0.05	0.05	0.1	0.08	0.1	0.3	0.3	1.05	1.05	0.37	1.05
ME	378	317	61	0.000%	0.000%	0.000%												
MI	6,587	6,294	293	0.000%	0.000%	0.000%												
MN	4,627	4,495	132	0.000%	0.000%	0.000%												
MO	5,802	4,983	819	0.000%	0.000%	0.000%												
MT	3,183	2,901	282	0.000%	0.000%	0.000%												
NC	13,959	12,727	1,232	0.043%	0.047%	0.000%	0.14	0.14		0.235	0.235		0.6	0.6		0.6	0.6	
ND	404	341	63	0.000%	0.000%	0.000%												
NE	2,220	2,143	77	0.045%	0.047%	0.000%	0.62	0.62		0.62	0.62		0.62	0.62		0.62	0.62	
NH	4,193	3,874	319	0.000%	0.000%	0.000%												
NJ	162	144	18	0.000%	0.000%	0.000%												
NM	4,349	4,102	247	0.023%	0.024%	0.000%	2	2		2	2		2	2		2	2	
NV	1,568	1,158	410	0.000%	0.000%	0.000%												
NY	2,891	2,177	714	0.069%	0.092%	0.000%	0.9	0.9		1.25	1.25		1.6	1.6		1.6	1.6	
OH	137	53	84	0.730%	0.000%	1.190%	5		5	5		5	5		5	5		5
OK																		
OR	2,056	1,574	482	0.000%	0.000%	0.000%												
RI	740	498	242	0.000%	0.000%	0.000%												
SC	3,304	2,893	411	0.303%	0.311%	0.243%	0.04	0.04	0.06	0.4	0.4	0.06	0.4	0.4	0.06	0.4	0.4	0.06
SD	952	842	110	0.000%	0.000%	0.000%												
TN	56	12	44	0.000%	0.000%	0.000%												
TX	2,174	1,343	831	0.000%	0.000%	0.000%												
UT	7,085	5,897	1,188	0.000%	0.000%	0.000%												
VA	441	148	293	0.000%	0.000%	0.000%												
VT	1,298	1,104	194	0.154%	0.181%	0.000%	0.05	0.05		0.15	0.15		0.25	0.25		0.25	0.25	
WI	3,160	3,068	92	0.032%	0.033%	0.000%	0.1	0.1		0.1	0.1		0.1	0.1		0.1	0.1	
WV	645	338	307	1.860%	2.663%	0.977%	0.01	0.01	0.01	0.01	0.01	0.01	0.1	0.1	0.5	0.5	0.1	0.5
WY	1,254	941	313	0.000%	0.000%	0.000%												
Total	122,713	100,329	22,384	0.085%	0.071%	0.147%	0.01	0.01	0.01	0.2	0.2	0.2	1	1	0.5	28	28	5



State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
	AK	19	14	5	316,371	84,921	231,450	0.000%	0.000%	0.000%	0.000%	0.000%
AL	175	126	49	2,796,309	589,449	2,206,860	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AZ	918	870	48	6,045,047	2,674,456	3,370,591	0.545%	0.460%	2.083%	5.847%	1.998%	8.901%
CA	1,580	1,258	322	33,370,087	12,021,293	21,348,794	0.063%	0.079%	0.000%	0.000%	0.000%	0.000%
CO	814	595	219	4,993,697	526,788	4,466,909	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	655	617	38	2,595,127	261,240	2,333,887	0.611%	0.000%	10.526%	17.134%	0.000%	19.052%
DE	254	251	3	624,615	343,215	281,400	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
FL	1,318	1,296	22	16,796,064	14,554,059	2,242,005	0.455%	0.463%	0.000%	15.506%	17.894%	0.000%
GA	296	282	14	993,774	301,752	692,022	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
HI												
IA	1,055	1,022	33	2,542,641	1,434,015	1,108,626	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
ID	869	812	57	1,064,783	808,587	256,196	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IL	1,368	1,264	104	9,183,247	2,982,850	6,200,397	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IN	1,402	1,358	44	4,866,706	2,546,970	2,319,736	0.214%	0.147%	2.273%	5.417%	0.003%	11.360%
KY	242	93	149	4,602,489	375,460	4,227,029	2.479%	0.000%	4.027%	8.257%	0.000%	8.990%
MA	644	527	117	8,506,903	1,704,521	6,802,382	1.087%	0.759%	2.564%	1.472%	3.401%	0.989%
MD	863	795	68	4,906,061	907,954	3,998,107	2.202%	1.509%	10.294%	4.634%	0.739%	5.519%
ME	216	190	26	491,237	116,848	374,389	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MI	2,919	2,858	61	7,224,193	2,044,337	5,179,856	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MN	1,288	1,259	29	3,933,642	2,684,001	1,249,641	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MO	1,475	1,398	77	3,281,888	1,700,557	1,581,331	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
MT	846	786	60	757,811	365,142	392,669	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NC	2,365	2,228	137	6,885,177	1,733,551	5,151,626	0.254%	0.269%	0.000%	0.551%	2.190%	0.000%
ND	209	182	27	559,198	253,973	305,225	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NE	739	728	11	1,454,673	678,193	776,480	0.135%	0.137%	0.000%	0.556%	1.192%	0.000%
NH	1,237	1,196	41	945,754	395,955	549,799	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NJ	127	116	11	1,969,193	341,973	1,627,220	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NM	691	656	35	1,656,642	1,395,544	261,098	0.145%	0.152%	0.000%	0.490%	0.581%	0.000%
NV	287	266	21	960,268	270,377	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,348	1,117	231	4,925,666	982,389	3,943,277	0.074%	0.090%	0.000%	0.034%	0.172%	0.000%
OH	35	26	9	3,028,943	99,332	2,929,611	2.857%	0.000%	11.111%	7.115%	0.000%	7.357%
OK												
OR	1,087	937	150	2,937,439	572,689	2,364,750	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	89	80	9	900,695	160,717	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	785	725	60	3,448,394	820,701	2,627,693	0.510%	0.414%	1.667%	1.873%	2.931%	1.543%
SD	260	239	21	622,152	262,981	359,171	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	11	5	6	648,720	144,963	503,757	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TX	856	702	154	18,700,247	4,013,688	14,686,559	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
UT	426	389	37	2,500,671	1,667,485	833,186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VA	173	63	110	2,380,983	26,904	2,354,079	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
VT	440	407	33	432,449	181,285	251,164	0.455%	0.491%	0.000%	0.117%	0.280%	0.000%
WI	1,406	1,386	20	3,883,613	2,191,869	1,691,744	0.071%	0.072%	0.000%	0.360%	0.639%	0.000%
WV	342	197	145	1,367,674	206,326	1,161,348	2.924%	4.569%	0.690%	0.465%	0.961%	0.377%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	32,887	29,954	2,933	183,000,768	66,468,861	116,531,907	0.237%	0.177%	0.852%	2.599%	4.241%	1.662%

Table A65c. 2,4,5-Trichlorophenoxypropionic acid – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 50 µg/L			Percent of Systems with At Least One Detection > 50 µg/L			Population Served by Systems with At Least One Detection > 50 µg/L			Percent of Population Served with At Least One Detection > 50 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

State	Number of Systems with At Least One Detection ≥ 25 µg/L			Percent of Systems with At Least One Detection ≥ 25 µg/L			Population Served by Systems with At Least One Detection ≥ 25 µg/L			Percent of Population Served with At Least One Detection ≥ 25 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.076%	0.077%	0.000%	240	240	0	0.001%	0.002%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	1	1	0	0.003%	0.003%	0.000%	240	240	0	0.0001%	0.0004%	0.000%

Table A66. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 5 µg/L	46,177	157	0.340%	86,393,209	2,241,272	2.594%
	≥ 2.5 µg/L	46,177	283	0.613%	86,393,209	4,817,431	5.576%
	≥ 1 µg/L	46,177	490	1.061%	86,393,209	7,008,143	8.112%
	> 0.5 µg/L	46,177	682	1.477%	86,393,209	8,714,465	10.087%
Surface Water	> 5 µg/L	4,255	38	0.893%	140,514,477	9,703,812	6.906%
	≥ 2.5 µg/L	4,255	55	1.293%	140,514,477	11,131,487	7.922%
	≥ 1 µg/L	4,255	93	2.186%	140,514,477	16,021,388	11.402%
	> 0.5 µg/L	4,255	122	2.867%	140,514,477	17,384,229	12.372%
Combined Ground & Surface Water	> 5 µg/L	50,432	195	0.387%	226,907,686	11,945,084	5.264%
	≥ 2.5 µg/L	50,432	338	0.670%	226,907,686	15,948,918	7.029%
	≥ 1 µg/L	50,432	583	1.156%	226,907,686	23,029,531	10.149%
	> 0.5 µg/L	50,432	804	1.594%	226,907,686	26,098,694	11.502%

Table A66a. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,114	1,976	1,138	0.578%	0.759%	0.264%	0.44	0.5	0.44	0.705	0.78	0.51	0.9	0.9	0.71	1.3	1.3	0.71
AL	1,002	672	330	22.056%	14.137%	38.182%	0.17	0.17	0.51	1.6	1	2.59	3.6	2.9	4	13.1	10.9	13.1
AR	2,382	1,915	467	1.931%	2.402%	0.000%	0.16	0.16		1.53	1.53		4.78	4.78		6.1	6.1	
AZ	12,598	9,545	3,053	1.603%	1.697%	1.310%	0.18	0.18	0.5	1.5	2.5	0.73	4.2	4.3	1.15	6.3	6.3	1.3
CA	114,988	61,095	53,893	20.308%	15.613%	25.630%	0.007	0.007	0.5	1.7	1.6	1.85	12	8.8	14.8	159	159	50
CO	2,866	2,126	740	0.314%	0.376%	0.135%	0.09	0.09	0.87	0.6	0.6	0.87	1.2	1.2	0.87	1.2	1.2	0.87
CT	6,934	6,042	892	5.076%	4.138%	11.435%	0.1	0.26	0.1	1.6	2	1.2	8.7	11.5	2.9	90.9	90.9	20.2
DE	1,066	1,037	29	2.251%	2.314%	0.000%	0.51	0.51		0.785	0.785		74.1	74.1		93.6	93.6	
FL	4,173	4,105	68	2.876%	2.899%	1.471%	0.02	0.02	0.95	0.25	0.24	0.95	1.12	1.13	0.95	8.9	8.9	0.95
GA	7,174	6,347	827	0.502%	0.425%	1.088%	0.5	0.5	0.55	2.4	2.2	14	15	6.9	18	18	8.4	18
HI	1,792	1,689	103	0.000%	0.000%	0.000%												
IA	1,846	1,719	127	2.817%	2.909%	1.575%	0.5	0.5	1.1	1	1	1.55	3.2	3.65	2	10.4	10.4	2
ID	3,769	3,308	461	6.129%	6.862%	0.868%	0.1	0.1	0.5	1.5	1.5	0.5	7.3	7.6	0.9	15.7	15.7	0.9
IL	7,057	6,492	565	2.848%	3.096%	0.000%	0.4	0.4		1.2	1.2		2.96	2.96		7.34	7.34	
IN	4,630	4,320	310	1.663%	1.782%	0.000%	0.22	0.22		1.2	1.2		5.5	5.5		13	13	
KY	3,313	1,129	2,184	1.720%	4.074%	0.504%	0.001	0.1	0.001	1	1.4	0.5	4	4.1	1	8	8	1.7
MA	16,225	12,259	3,966	4.222%	3.442%	6.631%	0.2	0.2	0.34	1.2	1	1.4	11	7.1	38	50	31.7	50
MD	6,774	5,512	1,262	1.845%	1.941%	1.426%	0.5	0.5	0.5	1.2	1.3	0.75	4.3	5.4	4.1	22.4	19.2	22.4
ME	3,692	3,377	315	0.948%	0.888%	1.587%	0.5	0.5	1	0.7	0.61	1.3	1.9	1.75	50	50	3	50
MI	10,752	9,742	1,010	1.888%	2.084%	0.000%	0.4	0.4		0.7	0.7		3.2	3.2		6.5	6.5	
MN	8,596	7,346	1,250	3.327%	3.784%	0.640%	0.1	0.1	0.1	0.55	0.6	0.15	2.3	2.3	0.4	7.5	7.5	0.4
MO	7,544	6,695	849	2.717%	3.032%	0.236%	0.5	0.5	0.6	1.1	1.1	1.17	4.7	4.7	1.74	44	44	1.74
MT	4,480	3,946	534	0.201%	0.228%	0.000%	0.55	0.55		1.03	1.03		2.31	2.31		2.31	2.31	
NC	19,067	17,488	1,579	1.301%	1.395%	0.253%	0.5	0.5	1.04	1.4	1.4	2.05	4.91	4.91	2.9	16.8	16.8	2.9
ND	558	417	141	1.971%	0.719%	5.674%	0.89	0.89	1.52	1.81	0.96	2.18	2.69	1.52	3.62	3.62	1.52	3.62
NE	6,838	6,262	576	2.135%	2.332%	0.000%	0.15	0.15		1.1	1.1		4.4	4.4		7.9	7.9	
NH	9,589	9,111	478	1.126%	1.163%	0.418%	0.5	0.5	1	1	0.985	1.45	3.14	3.14	1.9	23.53	23.53	1.9
NJ	20,355	18,567	1,788	3.468%	3.307%	5.145%	0.09	0.09	0.1	0.54	0.55	0.51	1.7	1.72	0.9	71.64	71.64	6.4
NM	6,576	6,100	476	1.521%	1.541%	1.261%	0.1	0.1	0.2	1	1.055	0.4	4.55	4.6	0.5	18	18	0.5
NV	3,255	2,586	669	3.164%	0.193%	14.649%	0.2	0.5	0.2	1.3	0.75	1.315	2.2	2	2.4	3.84	2	3.84
NY	7,127	5,455	1,672	3.367%	2.511%	6.160%	0.3	0.3	0.5	1.55	1.4	1.7	9.35	10.5	8.4	23	23	15.2
OH	8,846	7,688	1,158	1.933%	2.198%	0.173%	0.31	0.5	0.31	1.03	1.07	0.32	2.75	2.9	0.33	15.8	15.8	0.33
OK	5,634	4,199	1,435	1.367%	1.834%	0.000%	0.3	0.3		1.2	1.2		43.9	43.9		58.7	58.7	
OR	2,327	1,682	645	0.430%	0.535%	0.155%	0.5	0.5	1.2	0.7	0.7	1.2	2.2	3.2	1.2	3.2	3.2	1.2
RI	1,959	1,591	368	1.991%	2.263%	0.815%	0.3	0.3	0.5	0.8	0.9	0.6	3	3	0.6	4.6	4.6	0.6
SC	4,340	3,801	539	1.290%	1.342%	0.928%	0.4	0.4	0.4	1.54	1.56	0.4	4.09	4.09	0.4	21.2	21.2	0.4
SD	889	855	34	0.900%	0.936%	0.000%	0.53	0.53		0.68	0.68		0.93	0.93		0.93	0.93	
TN	2,945	1,165	1,780	0.441%	1.116%	0.000%	0.5	0.5		0.85	0.85		1.1	1.1		1.2	1.2	
TX	34,145	27,040	7,105	0.255%	0.288%	0.127%	0.5	0.5	0.5	1.02	1.065	0.8	7.3	7.4	1.1	21	21	1.1
UT	8,995	7,564	1,431	0.278%	0.331%	0.000%	0.7	0.7		1	1		3.7	3.7		4.2	4.2	
VA	4,895	4,026	869	1.144%	1.341%	0.230%	0.5	0.5	0.6	1.2	1.25	0.6	3.1	3.1	0.6	4.6	4.6	0.6
VT	4,345	3,954	391	0.230%	0.253%	0.000%	0.2	0.2		0.55	0.55		1.05	1.05		1.1	1.1	
WI	11,296	11,171	125	6.232%	6.266%	3.200%	0.01	0.01	0.11	0.725	0.735	0.18	13	13	0.23	38	38	0.23
WV	1,190	492	698	6.639%	13.415%	1.862%	0.0018	0.0018	0.5	2.1	2	4.4	7	6.6	12.2	27	27	12.6
WY	1,671	1,168	503	0.838%	1.199%	0.000%	0.5	0.5		2.6	2.6		5.6	5.6		5.8	5.8	
Total	403,609	304,776	98,833	7.323%	4.855%	14.934%	0.001	0.0018	0.001	1.5	1.3	1.8	10.5	7.5	14.2	159	159	50

Table A66b. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	0.968%	0.844%	1.370%	0.507%	0.921%	0.250%
AL	264	203	61	4,218,673	1,123,585	3,095,088	7.576%	5.911%	13.115%	19.683%	17.588%	20.444%
AR	454	382	72	2,453,348	910,322	1,543,026	1.982%	2.356%	0.000%	1.335%	3.599%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	1.416%	1.187%	6.250%	23.105%	28.061%	18.994%
CA	3,656	3,140	516	35,803,350	13,516,462	22,286,888	4.349%	3.599%	8.915%	40.706%	26.679%	49.213%
CO	826	605	221	4,997,841	530,207	4,467,634	0.847%	0.992%	0.452%	0.020%	0.125%	0.008%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	3.728%	3.339%	15.385%	25.688%	11.664%	28.028%
DE	319	316	3	699,172	417,772	281,400	1.254%	1.266%	0.000%	0.760%	1.272%	0.000%
FL	1,509	1,483	26	17,495,514	15,249,472	2,246,042	0.994%	0.944%	3.846%	5.443%	6.182%	0.423%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.329%	0.234%	1.724%	0.684%	0.138%	0.831%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	1.231%	1.173%	3.030%	9.767%	11.388%	7.670%
ID	935	878	57	1,093,666	837,604	256,062	1.390%	1.367%	1.754%	27.323%	13.469%	72.639%
IL	1,430	1,326	104	9,217,581	3,017,184	6,200,397	1.049%	1.131%	0.000%	3.256%	9.947%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	1.357%	1.399%	0.000%	4.481%	8.523%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	6.639%	5.435%	7.383%	9.416%	6.441%	9.680%
MA	718	600	118	8,557,325	1,749,901	6,807,424	7.521%	6.000%	15.254%	8.427%	18.811%	5.757%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	2.372%	2.130%	5.882%	3.039%	3.901%	2.818%
ME	810	757	53	728,347	292,773	435,574	0.988%	0.925%	1.887%	6.049%	7.362%	5.166%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.841%	0.859%	0.000%	3.820%	13.823%	0.000%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	3.919%	3.737%	13.333%	23.430%	16.179%	40.902%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	0.988%	0.896%	2.597%	0.662%	0.963%	0.277%
MT	848	788	60	757,949	365,280	392,669	0.472%	0.508%	0.000%	0.098%	0.203%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	1.986%	1.930%	2.878%	11.706%	5.189%	13.851%
ND	210	183	27	562,397	257,172	305,225	0.952%	0.546%	3.704%	1.919%	1.543%	2.236%
NE	771	760	11	1,462,181	685,701	776,480	2.205%	2.237%	0.000%	6.175%	13.168%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	2.067%	1.972%	4.878%	21.901%	5.569%	33.753%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	7.225%	6.980%	16.216%	27.093%	26.430%	27.450%
NM	727	688	39	1,698,980	1,432,432	266,548	2.338%	2.180%	5.128%	38.532%	45.132%	3.064%
NV	338	317	21	973,592	283,701	689,891	0.888%	0.631%	4.762%	34.564%	0.754%	48.467%
NY	1,520	1,284	236	4,893,045	1,042,443	3,850,602	2.237%	2.103%	2.966%	11.222%	18.742%	9.186%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	1.080%	1.100%	0.800%	2.653%	1.783%	3.038%
OK	730	518	212	3,123,687	664,833	2,458,854	1.781%	2.510%	0.000%	2.588%	12.157%	0.000%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.365%	0.317%	0.658%	1.048%	5.325%	0.008%
RI	145	136	9	913,884	173,906	739,978	5.517%	5.147%	11.111%	12.037%	3.498%	14.043%
SC	819	757	62	3,356,831	732,879	2,623,952	2.198%	1.717%	8.065%	3.508%	4.149%	3.329%
SD	245	233	12	266,416	194,218	72,198	0.816%	0.858%	0.000%	7.748%	10.628%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.855%	1.852%	0.000%	0.150%	0.582%	0.000%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.485%	0.499%	0.292%	3.987%	3.366%	4.352%
UT	500	454	46	2,553,197	1,698,877	854,320	0.600%	0.661%	0.000%	0.815%	1.224%	0.000%
VA	1,588	1,418	170	5,269,674	628,239	4,641,435	0.819%	0.776%	1.176%	2.612%	0.333%	2.920%
VT	603	560	43	491,035	227,067	263,968	1.161%	1.250%	0.000%	1.765%	3.816%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	3.756%	3.685%	10.000%	14.656%	23.694%	2.113%
WV	403	243	160	1,416,020	237,670	1,178,350	5.955%	8.230%	2.500%	5.995%	18.091%	3.556%
WY	304	256	48	446,177	129,229	316,948	1.316%	1.563%	0.000%	0.072%	0.248%	0.000%
Total	50,432	46,177	4,255	226,907,686	86,393,209	140,514,477	2.009%	1.867%	3.549%	13.018%	12.214%	13.512%

Table A66c. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 5 µg/L			Percent of Systems with At Least One Detection > 5 µg/L			Population Served by Systems with At Least One Detection > 5 µg/L			Percent of Population Served with At Least One Detection > 5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	5	3	2	1.894%	1.478%	3.279%	291,136	48,827	242,309	6.901%	4.346%	7.829%
AR	2	2	0	0.441%	0.524%	0.000%	19,740	19,740	0	0.805%	2.168%	0.000%
AZ	2	2	0	0.189%	0.198%	0.000%	47,273	47,273	0	0.767%	1.691%	0.000%
CA	65	43	22	1.778%	1.369%	4.264%	9,313,108	1,542,488	7,770,620	26.012%	11.412%	34.866%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	13	10	3	1.077%	0.856%	7.692%	483,768	5,757	478,011	17.764%	1.478%	20.481%
DE	2	2	0	0.627%	0.633%	0.000%	4,510	4,510	0	0.645%	1.080%	0.000%
FL	1	1	0	0.066%	0.067%	0.000%	32,680	32,680	0	0.187%	0.214%	0.000%
GA	3	2	1	0.165%	0.117%	0.862%	48,011	1,150	46,861	0.641%	0.072%	0.795%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	1	1	0	0.095%	0.098%	0.000%	73,051	73,051	0	2.872%	5.092%	0.000%
ID	3	3	0	0.321%	0.342%	0.000%	59,816	59,816	0	5.469%	7.141%	0.000%
IL	4	4	0	0.280%	0.302%	0.000%	21,912	21,912	0	0.238%	0.726%	0.000%
IN	5	5	0	0.339%	0.350%	0.000%	4,680	4,680	0	0.096%	0.182%	0.000%
KY	1	1	0	0.415%	1.087%	0.000%	1,930	1,930	0	0.042%	0.514%	0.000%
MA	11	7	4	1.532%	1.167%	3.390%	182,089	91,001	91,088	2.128%	5.200%	1.338%
MD	4	3	1	0.380%	0.304%	1.471%	19,918	13,818	6,100	0.397%	1.348%	0.153%
ME	1	0	1	0.123%	0.000%	1.887%	22,500	0	22,500	3.089%	0.000%	5.166%
MI	1	1	0	0.034%	0.034%	0.000%	5,840	5,840	0	0.082%	0.295%	0.000%
MN	3	3	0	0.190%	0.193%	0.000%	3,261	3,261	0	0.077%	0.108%	0.000%
MO	3	3	0	0.212%	0.224%	0.000%	8,588	8,588	0	0.286%	0.508%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	6	6	0	0.253%	0.269%	0.000%	12,676	12,676	0	0.181%	0.731%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	4	4	0	0.519%	0.526%	0.000%	3,849	3,849	0	0.263%	0.561%	0.000%
NH	4	4	0	0.318%	0.329%	0.000%	527	527	0	0.056%	0.132%	0.000%
NJ	16	14	2	1.144%	1.029%	5.405%	848,739	95,828	752,911	10.954%	3.533%	14.951%
NM	3	3	0	0.413%	0.436%	0.000%	10,025	10,025	0	0.590%	0.700%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	7	6	1	0.461%	0.467%	0.424%	288,775	17,825	270,950	5.902%	1.710%	7.037%
OH	2	2	0	0.103%	0.110%	0.000%	348	348	0	0.003%	0.011%	0.000%
OK	1	1	0	0.137%	0.193%	0.000%	2,086	2,086	0	0.067%	0.314%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	3	3	0	0.366%	0.396%	0.000%	5,874	5,874	0	0.175%	0.801%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	5	5	0	0.101%	0.108%	0.000%	6,911	6,911	0	0.028%	0.074%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	8	8	0	0.448%	0.454%	0.000%	70,219	70,219	0	1.738%	2.991%	0.000%
WV	5	4	1	1.241%	1.646%	0.625%	51,144	28,682	22,462	3.612%	12.068%	1.906%
WY	1	1	0	0.329%	0.391%	0.000%	100	100	0	0.022%	0.077%	0.000%
Total	195	157	38	0.387%	0.340%	0.893%	11,945,084	2,241,272	9,703,812	5.264%	2.594%	6.906%

Table A66d. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 2.5 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 2.5 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	12	7	5	4.545%	3.448%	8.197%	721,003	148,629	572,374	17.091%	13.228%	18.493%
AR	2	2	0	0.441%	0.524%	0.000%	19,740	19,740	0	0.805%	2.168%	0.000%
AZ	5	5	0	0.472%	0.495%	0.000%	767,312	767,312	0	12.442%	27.440%	0.000%
CA	86	59	27	2.352%	1.879%	5.233%	10,835,974	2,465,720	8,370,254	30.265%	18.242%	37.557%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	19	16	3	1.574%	1.370%	7.692%	484,017	6,006	478,011	17.773%	1.542%	20.481%
DE	2	2	0	0.627%	0.633%	0.000%	4,510	4,510	0	0.645%	1.080%	0.000%
FL	1	1	0	0.066%	0.067%	0.000%	32,680	32,680	0	0.187%	0.214%	0.000%
GA	4	3	1	0.220%	0.176%	0.862%	48,079	1,218	46,861	0.642%	0.076%	0.795%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	2	2	0	0.189%	0.196%	0.000%	78,597	78,597	0	3.091%	5.479%	0.000%
ID	5	5	0	0.535%	0.569%	0.000%	102,496	102,496	0	9.372%	12.237%	0.000%
IL	10	10	0	0.699%	0.754%	0.000%	247,753	247,753	0	2.688%	8.211%	0.000%
IN	7	7	0	0.475%	0.490%	0.000%	10,230	10,230	0	0.209%	0.398%	0.000%
KY	3	3	0	1.245%	3.261%	0.000%	5,239	5,239	0	0.114%	1.396%	0.000%
MA	21	13	8	2.925%	2.167%	6.780%	409,702	179,187	230,515	4.788%	10.240%	3.386%
MD	11	9	2	1.044%	0.913%	2.941%	38,090	31,920	6,170	0.758%	3.113%	0.154%
ME	2	1	1	0.247%	0.132%	1.887%	22,630	130	22,500	3.107%	0.044%	5.166%
MI	8	8	0	0.269%	0.275%	0.000%	38,329	38,329	0	0.535%	1.938%	0.000%
MN	7	7	0	0.442%	0.451%	0.000%	71,935	71,935	0	1.688%	2.389%	0.000%
MO	5	5	0	0.353%	0.373%	0.000%	9,008	9,008	0	0.300%	0.533%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	10	9	1	0.422%	0.404%	0.719%	19,308	15,286	4,022	0.276%	0.882%	0.076%
ND	1	0	1	0.476%	0.000%	3.704%	6,826	0	6,826	1.214%	0.000%	2.236%
NE	8	8	0	1.038%	1.053%	0.000%	49,646	49,646	0	3.395%	7.240%	0.000%
NH	9	9	0	0.715%	0.740%	0.000%	17,391	17,391	0	1.833%	4.359%	0.000%
NJ	29	27	2	2.074%	1.984%	5.405%	942,587	189,676	752,911	12.165%	6.993%	14.951%
NM	4	4	0	0.550%	0.581%	0.000%	59,050	59,050	0	3.476%	4.122%	0.000%
NV	1	0	1	0.296%	0.000%	4.762%	334,370	0	334,370	34.344%	0.000%	48.467%
NY	11	10	1	0.724%	0.779%	0.424%	294,565	23,615	270,950	6.020%	2.265%	7.037%
OH	6	6	0	0.309%	0.330%	0.000%	7,725	7,725	0	0.076%	0.247%	0.000%
OK	2	2	0	0.274%	0.386%	0.000%	2,444	2,444	0	0.078%	0.368%	0.000%
OR	1	1	0	0.091%	0.106%	0.000%	65	65	0	0.002%	0.011%	0.000%
RI	1	1	0	0.690%	0.735%	0.000%	1,200	1,200	0	0.131%	0.690%	0.000%
SC	6	6	0	0.733%	0.793%	0.000%	6,415	6,415	0	0.191%	0.875%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	8	8	0	0.162%	0.174%	0.000%	10,121	10,121	0	0.040%	0.109%	0.000%
UT	2	2	0	0.400%	0.441%	0.000%	19,500	19,500	0	0.764%	1.148%	0.000%
VA	3	3	0	0.189%	0.212%	0.000%	786	786	0	0.015%	0.125%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	15	15	0	0.841%	0.850%	0.000%	161,431	161,431	0	3.996%	6.876%	0.000%
WV	7	5	2	1.737%	2.058%	1.250%	68,039	32,316	35,723	4.805%	13.597%	3.032%
WY	2	2	0	0.658%	0.781%	0.000%	125	125	0	0.028%	0.097%	0.000%
Total	338	283	55	0.670%	0.613%	1.293%	15,948,918	4,817,431	11,131,487	7.029%	5.576%	7.922%



Table A66e. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	1	1	0	0.161%	0.211%	0.000%	500	500	0	0.082%	0.215%	0.000%
AL	17	10	7	6.439%	4.926%	11.475%	759,097	165,389	593,708	17.994%	14.720%	19.182%
AR	2	2	0	0.441%	0.524%	0.000%	19,740	19,740	0	0.805%	2.168%	0.000%
AZ	10	9	1	0.944%	0.890%	2.083%	944,098	784,098	160,000	15.309%	28.041%	4.747%
CA	132	93	39	3.611%	2.962%	7.558%	14,006,721	3,239,696	10,767,025	39.121%	23.969%	48.311%
CO	1	1	0	0.121%	0.165%	0.000%	65	65	0	0.001%	0.012%	0.000%
CT	37	31	6	3.065%	2.654%	15.385%	680,737	26,577	654,160	24.996%	6.824%	28.028%
DE	3	3	0	0.940%	0.949%	0.000%	4,560	4,560	0	0.652%	1.092%	0.000%
FL	3	3	0	0.199%	0.202%	0.000%	348,225	348,225	0	1.990%	2.284%	0.000%
GA	4	3	1	0.220%	0.176%	0.862%	48,079	1,218	46,861	0.642%	0.076%	0.795%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	7	6	1	0.663%	0.587%	3.030%	243,985	158,957	85,028	9.594%	11.081%	7.670%
ID	10	10	0	1.070%	1.139%	0.000%	105,471	105,471	0	9.644%	12.592%	0.000%
IL	12	12	0	0.839%	0.905%	0.000%	258,591	258,591	0	2.805%	8.571%	0.000%
IN	13	13	0	0.882%	0.909%	0.000%	104,920	104,920	0	2.145%	4.080%	0.000%
KY	5	3	2	2.075%	3.261%	1.342%	65,951	5,239	60,712	1.433%	1.396%	1.436%
MA	33	20	13	4.596%	3.333%	11.017%	513,503	209,423	304,080	6.001%	11.968%	4.467%
MD	19	16	3	1.803%	1.623%	4.412%	46,172	38,081	8,091	0.919%	3.714%	0.202%
ME	3	2	1	0.370%	0.264%	1.887%	22,755	255	22,500	3.124%	0.087%	5.166%
MI	12	12	0	0.404%	0.412%	0.000%	45,373	45,373	0	0.634%	2.294%	0.000%
MN	16	16	0	1.011%	1.031%	0.000%	194,561	194,561	0	4.567%	6.462%	0.000%
MO	10	9	1	0.706%	0.672%	1.299%	13,629	12,455	1,174	0.454%	0.737%	0.089%
MT	2	2	0	0.236%	0.254%	0.000%	235	235	0	0.031%	0.064%	0.000%
NC	26	22	4	1.098%	0.987%	2.878%	773,293	44,038	729,255	11.050%	2.541%	13.851%
ND	2	1	1	0.952%	0.546%	3.704%	10,793	3,967	6,826	1.919%	1.543%	2.236%
NE	10	10	0	1.297%	1.316%	0.000%	53,516	53,516	0	3.660%	7.805%	0.000%
NH	18	16	2	1.431%	1.315%	4.878%	207,032	21,459	185,573	21.821%	5.378%	33.753%
NJ	49	46	3	3.505%	3.380%	8.108%	1,508,724	443,937	1,064,787	19.471%	16.366%	21.144%
NM	7	7	0	0.963%	1.017%	0.000%	67,954	67,954	0	4.000%	4.744%	0.000%
NV	2	1	1	0.592%	0.315%	4.762%	334,410	40	334,370	34.348%	0.014%	48.467%
NY	16	14	2	1.053%	1.090%	0.847%	350,940	79,670	271,270	7.172%	7.643%	7.045%
OH	14	14	0	0.720%	0.770%	0.000%	41,573	41,573	0	0.406%	1.327%	0.000%
OK	7	7	0	0.959%	1.351%	0.000%	34,522	34,522	0	1.105%	5.193%	0.000%
OR	2	1	1	0.182%	0.106%	0.658%	265	65	200	0.009%	0.011%	0.008%
RI	4	4	0	2.759%	2.941%	0.000%	5,870	5,870	0	0.642%	3.375%	0.000%
SC	9	9	0	1.099%	1.189%	0.000%	29,714	29,714	0	0.885%	4.054%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	1	0	0.285%	0.617%	0.000%	1,541	1,541	0	0.027%	0.105%	0.000%
TX	16	15	1	0.323%	0.325%	0.292%	708,693	20,448	688,245	2.822%	0.220%	4.352%
UT	3	3	0	0.600%	0.661%	0.000%	20,800	20,800	0	0.815%	1.224%	0.000%
VA	9	9	0	0.567%	0.635%	0.000%	1,738	1,738	0	0.033%	0.277%	0.000%
VT	3	3	0	0.498%	0.536%	0.000%	2,290	2,290	0	0.466%	1.009%	0.000%
WI	20	20	0	1.121%	1.134%	0.000%	377,456	377,456	0	9.344%	16.077%	0.000%
WV	10	7	3	2.481%	2.881%	1.875%	71,159	33,636	37,523	5.025%	14.152%	3.184%
WY	3	3	0	0.987%	1.172%	0.000%	280	280	0	0.063%	0.217%	0.000%
Total	583	490	93	1.156%	1.061%	2.186%	23,029,531	7,008,143	16,021,388	10.149%	8.112%	11.402%

Table A66f. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	6	4	2	0.968%	0.844%	1.370%	3,075	2,141	934	0.507%	0.921%	0.250%
AL	20	12	8	7.576%	5.911%	13.115%	830,371	197,612	632,759	19.683%	17.588%	20.444%
AR	3	3	0	0.661%	0.785%	0.000%	23,718	23,718	0	0.967%	2.605%	0.000%
AZ	14	12	2	1.322%	1.187%	4.167%	1,124,883	784,658	340,225	18.241%	28.061%	10.094%
CA	151	107	44	4.130%	3.408%	8.527%	14,484,081	3,569,344	10,914,737	40.455%	26.407%	48.974%
CO	5	4	1	0.605%	0.661%	0.452%	646	290	356	0.013%	0.055%	0.008%
CT	45	39	6	3.728%	3.339%	15.385%	699,584	45,424	654,160	25.688%	11.664%	28.028%
DE	4	4	0	1.254%	1.266%	0.000%	5,316	5,316	0	0.760%	1.272%	0.000%
FL	6	5	1	0.398%	0.337%	3.846%	434,952	425,452	9,500	2.486%	2.790%	0.423%
GA	5	3	2	0.274%	0.176%	1.724%	50,199	1,218	48,981	0.671%	0.076%	0.831%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	12	11	1	1.136%	1.075%	3.030%	247,113	162,085	85,028	9.717%	11.299%	7.670%
ID	12	11	1	1.283%	1.253%	1.754%	294,221	108,221	186,000	26.902%	12.920%	72.639%
IL	14	14	0	0.979%	1.056%	0.000%	298,970	298,970	0	3.243%	9.909%	0.000%
IN	20	20	0	1.357%	1.399%	0.000%	219,162	219,162	0	4.481%	8.523%	0.000%
KY	9	5	4	3.734%	5.435%	2.685%	95,046	24,176	70,870	2.065%	6.441%	1.677%
MA	47	31	16	6.546%	5.167%	13.559%	650,392	305,761	344,631	7.600%	17.473%	5.063%
MD	25	21	4	2.372%	2.130%	5.882%	152,654	39,996	112,658	3.039%	3.901%	2.818%
ME	8	7	1	0.988%	0.925%	1.887%	44,055	21,555	22,500	6.049%	7.362%	5.166%
MI	19	19	0	0.639%	0.653%	0.000%	223,474	223,474	0	3.122%	11.299%	0.000%
MN	25	25	0	1.580%	1.611%	0.000%	226,879	226,879	0	5.325%	7.535%	0.000%
MO	14	12	2	0.988%	0.896%	2.597%	19,902	16,265	3,637	0.662%	0.963%	0.277%
MT	4	4	0	0.472%	0.508%	0.000%	740	740	0	0.098%	0.203%	0.000%
NC	42	38	4	1.774%	1.706%	2.878%	779,057	49,802	729,255	11.132%	2.874%	13.851%
ND	2	1	1	0.952%	0.546%	3.704%	10,793	3,967	6,826	1.919%	1.543%	2.236%
NE	14	14	0	1.816%	1.842%	0.000%	79,820	79,820	0	5.459%	11.641%	0.000%
NH	24	22	2	1.908%	1.808%	4.878%	207,599	22,026	185,573	21.880%	5.520%	33.753%
NJ	79	73	6	5.651%	5.364%	16.216%	1,987,792	605,404	1,382,388	25.654%	22.319%	27.450%
NM	8	8	0	1.100%	1.163%	0.000%	149,117	149,117	0	8.777%	10.410%	0.000%
NV	3	2	1	0.888%	0.631%	4.762%	336,510	2,140	334,370	34.564%	0.754%	48.467%
NY	26	21	5	1.711%	1.636%	2.119%	484,035	130,627	353,408	9.892%	12.531%	9.178%
OH	20	20	0	1.029%	1.100%	0.000%	55,869	55,869	0	0.546%	1.783%	0.000%
OK	9	9	0	1.233%	1.737%	0.000%	37,044	37,044	0	1.186%	5.572%	0.000%
OR	3	2	1	0.273%	0.212%	0.658%	30,765	30,565	200	1.046%	5.319%	0.008%
RI	7	6	1	4.828%	4.412%	11.111%	109,891	5,975	103,916	12.025%	3.436%	14.043%
SC	11	11	0	1.343%	1.453%	0.000%	30,353	30,353	0	0.904%	4.142%	0.000%
SD	2	2	0	0.816%	0.858%	0.000%	20,641	20,641	0	7.748%	10.628%	0.000%
TN	2	2	0	0.570%	1.235%	0.000%	6,835	6,835	0	0.120%	0.467%	0.000%
TX	22	21	1	0.444%	0.456%	0.292%	1,000,446	312,201	688,245	3.984%	3.358%	4.352%
UT	3	3	0	0.600%	0.661%	0.000%	20,800	20,800	0	0.815%	1.224%	0.000%
VA	13	11	2	0.819%	0.776%	1.176%	137,640	2,091	135,549	2.612%	0.333%	2.920%
VT	4	4	0	0.663%	0.714%	0.000%	3,790	3,790	0	0.772%	1.669%	0.000%
WI	28	28	0	1.570%	1.587%	0.000%	408,984	408,984	0	10.125%	17.420%	0.000%
WV	10	7	3	2.481%	2.881%	1.875%	71,159	33,636	37,523	5.025%	14.152%	3.184%
WY	4	4	0	1.316%	1.563%	0.000%	321	321	0	0.072%	0.248%	0.000%
Total	804	682	122	1.594%	1.477%	2.867%	26,098,694	8,714,465	17,384,229	11.502%	10.087%	12.372%

Table A67. Uranium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 30 µg/L	5,191	413	7.956%	23,338,623	1,240,188	5.314%
	≥ 15 µg/L	5,191	846	16.297%	23,338,623	5,684,077	24.355%
Surface Water	> 30 µg/L	730	35	4.795%	47,292,769	7,153,925	15.127%
	≥ 15 µg/L	730	77	10.548%	47,292,769	13,809,436	29.200%
Combined Ground & Surface Water	> 30 µg/L	5,921	448	7.566%	70,631,392	8,394,113	11.884%
	≥ 15 µg/L	5,921	923	15.589%	70,631,392	19,493,513	27.599%

Table A67a. Uranium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	530	462	68	50.755%	57.143%	7.353%	0.1	0.1	0.2	0.3	0.3	0.2	1.2	1.2	0.2	11.64	11.64	0.2
AL																		
AR																		
AZ	1,077	830	247	86.815%	90.120%	75.709%	0.29	0.29	0.83	4.17	4.47	3.2	13.11	14.75	7.45	69	69	24.3
CA	21,582	13,666	7,916	80.145%	80.214%	80.028%	0.00299	0.01	0.00299	8.44	8.82	7.76	30.74	32.98	25.37	425.37	425.37	244.77
CO	1,166	971	195	60.034%	60.659%	56.923%	0.00075	0.00075	0.00149	10	11	7	46	46.26	32.83	268.65	268.65	160
CT	1,505	1,383	122	66.844%	70.644%	23.770%	0.01	0.01	1	2.38	2.45	2.24	19.89	20	5.72	343.87	343.87	6.79
DE																		
FL	146	131	15	40.411%	41.221%	33.333%	0.00149	0.00149	0.44	1.19	1.19	0.74	6.41	6.41	1.64	21.94	21.94	1.64
GA																		
HI																		
IA	46	46	0	95.652%	95.652%	0.000%	1.04	1.04		4.025	4.025		16.26	16.26		32.23	32.23	
ID	767	725	42	74.837%	74.345%	83.333%	0.00015	0.00015	0.00448	11.94	11.94	13.43	74.02	77.61	61.19	191.04	191.04	77.61
IL	1,659	1,658	1	83.665%	83.655%	100.000%	1.4E-05	1.4E-05	2.53	0.38	0.38	2.53	3.28	3.28	2.53	18.35	18.35	2.53
IN																		
KY																		
MA	375	317	58	89.333%	91.798%	75.862%	0.14	0.14	2	24.77	25	22.115	83.58	86.56	45	183	183	101
MD	98	81	17	76.531%	71.605%	100.000%	1.04	1.04	2.38	5.67	4.245	15.37	20.89	19.1	24.62	27.46	26.11	27.46
ME	87	87	0	100.000%	100.000%	0.000%	0.02	0.02		44	44		140	140		469	469	
MI																		
MN	463	463	0	72.138%	72.138%	0.000%	0.16	0.16		1	1		4.02	4.02		28.95	28.95	
MO	271	271	0	65.314%	65.314%	0.000%	1.3	1.3		4.17	4.17		8.5	8.5		23.28	23.28	
MT	88	81	7	87.500%	87.654%	85.714%	0.00448	0.00448	1.54	15	16	8.7	65	65	23	79	79	23
NC	2,285	2,030	255	40.044%	44.483%	4.706%	0.4	0.4	0.44	17.31	17.77	3.13	76.71	76.71	4.17	298.5	298.5	5.67
ND	180	164	16	100.000%	100.000%	100.000%	0.00001	0.00001	0.04	1.55	1.62	0.8	6.445	6.6	4.36	23.5	23.5	4.63
NE	659	631	28	85.736%	85.261%	96.429%	0.29	0.29	9.55	32.68	33.805	14.47	74.02	76.56	30.44	252.23	252.23	37.91
NH																		
NJ	1,637	1,257	380	17.043%	18.218%	13.158%	0.00299	0.00299	0.02	1.04	1.13	0.31	35.37	41.79	19.4	380.59	380.59	25.37
NM	855	808	47	90.760%	91.708%	74.468%	0.002	0.002	0.98	5.7	6	3.8	38	39.93	7.53	164.17	164.17	11
NV	901	806	95	87.458%	87.841%	84.211%	0.00015	0.00015	0.00358	5.96	5.745	8.65	33	33	32	294.02	294.02	53.73
NY	946	814	132	83.404%	86.855%	62.121%	0.0009	0.0009	0.01	2.71	2.98	1.335	11.34	11.7	9	150	150	16.86
OH	5	0	5	40.000%		40.000%	1.49		1.49	1.49		1.49	1.49		1.49	1.49		1.49
OK																		
OR	1,013	805	208	59.131%	63.230%	43.269%	1.5E-06	1.5E-06	0.002	0.11	0.12	0.03	2.43	2.83	1	36	36	8.04
RI	20	20	0	90.000%	90.000%	0.000%	5.85	5.85		14.79	14.79		42.35	42.35		89.01	89.01	
SC	1,808	1,662	146	3.319%	3.550%	0.685%	1.49	1.49	31.49	24.395	24.32	31.49	81.34	85.07	31.49	127.31	127.31	31.49
SD	26	25	1	92.308%	92.000%	100.000%	8.5	8.5	16.1	15.55	15	16.1	24.17	24.17	16.1	28.35	28.35	16.1
TN																		
TX	549	506	43	66.120%	67.589%	48.837%	2	2	2.1	12.4	12.5	10.5	40.2	40.7	17.1	175.4	175.4	26.5
UT																		
VA	88	79	9	80.682%	84.810%	44.444%	0.14	0.14	1.2	21.6	23.1	1.6	41.34	43.13	2.4	67.76	67.76	2.4
VT	175	164	11	68.571%	72.561%	9.091%	0.15	0.15	0.15	2.09	2.1	0.15	63.39	69.2	0.15	87	87	0.15
WI	464	434	30	81.250%	80.184%	96.667%	0.03	0.03	0.23	2.23	2.08	4.17	6.86	6.56	7.16	104.47	104.47	7.91
WV	50	38	12	2.000%	2.632%	0.000%	27.61	27.61		27.61	27.61		27.61	27.61		27.61	27.61	
WY	60	46	14	80.000%	78.261%	85.714%	0.00027	0.00027	0.6	6.5	11.9	2.85	24.2	27.5	4.3	35.2	35.2	5.5
Total	41,581	31,461	10,120	70.542%	70.227%	71.522%	1.5E-06	1.5E-06	0.00149	6.8	6.57	7.31	32.83	35	25.07	469	469	244.77

Table A67b. Uranium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	145	122	23	94,606	72,713	21,893	51.724%	59.836%	8.696%	42.400%	53.444%	5.719%
AL												
AR												
AZ	160	151	9	4,008,876	1,106,562	2,902,314	99.375%	99.338%	100.000%	99.994%	99.978%	100.000%
CA	1,063	860	203	30,756,273	10,686,347	20,069,926	88.241%	89.302%	83.744%	92.263%	89.017%	93.991%
CO	254	198	56	2,980,899	248,509	2,732,390	61.024%	62.121%	57.143%	84.537%	73.823%	85.511%
CT	287	269	18	1,466,952	142,622	1,324,330	82.578%	84.758%	50.000%	27.917%	80.565%	22.247%
DE												
FL	38	32	6	3,503,799	2,366,772	1,137,027	71.053%	68.750%	83.333%	87.091%	80.891%	99.998%
GA												
HI												
IA	19	19	0	28,641	28,641	0	94.737%	94.737%	0.000%	98.129%	98.129%	0.000%
ID	301	292	9	682,916	491,248	191,668	73.754%	73.288%	88.889%	89.333%	85.222%	99.870%
IL	121	120	1	766,197	764,361	1,836	83.471%	83.333%	100.000%	93.472%	93.457%	100.000%
IN												
KY												
MA	38	33	5	118,830	21,517	97,313	68.421%	72.727%	40.000%	9.855%	21.476%	7.286%
MD	19	18	1	328,268	323,168	5,100	73.684%	72.222%	100.000%	23.612%	22.406%	100.000%
ME	27	27	0	5,703	5,703	0	100.000%	100.000%	0.000%	100.000%	100.000%	0.000%
MI												
MN	112	112	0	730,523	730,523	0	87.500%	87.500%	0.000%	72.171%	72.171%	0.000%
MO	80	80	0	88,067	88,067	0	60.000%	60.000%	0.000%	87.439%	87.439%	0.000%
MT	43	38	5	20,290	17,127	3,163	83.721%	84.211%	80.000%	85.397%	93.577%	41.100%
NC	385	328	57	3,636,665	359,874	3,276,791	35.065%	39.329%	10.526%	41.533%	23.731%	43.488%
ND	171	155	16	533,303	237,120	296,183	100.000%	100.000%	100.000%	100.000%	100.000%	100.000%
NE	171	169	2	302,725	277,273	25,452	62.573%	62.130%	100.000%	79.409%	77.519%	100.000%
NH												
NJ	146	117	29	6,379,628	1,457,687	4,921,941	49.315%	54.701%	27.586%	34.390%	52.635%	28.987%
NM	327	302	25	1,427,921	1,186,373	241,548	91.743%	94.371%	60.000%	96.200%	97.292%	90.835%
NV	165	155	10	532,264	207,214	325,050	90.303%	92.258%	60.000%	97.133%	94.766%	98.643%
NY	249	206	43	559,318	88,875	470,443	86.747%	92.718%	58.140%	91.436%	92.421%	91.250%
OH	1	0	1	215,517	0	215,517	100.000%	0.000%	100.000%	100.000%	0.000%	100.000%
OK												
OR	634	504	130	2,604,897	445,931	2,158,966	59.306%	64.484%	39.231%	60.548%	72.928%	57.991%
RI	5	5	0	4,217	4,217	0	60.000%	60.000%	0.000%	47.830%	47.830%	0.000%
SC	452	405	47	3,021,859	525,705	2,496,154	4.425%	4.691%	2.128%	0.824%	3.142%	0.336%
SD	17	16	1	137,188	9,062	128,126	88.235%	87.500%	100.000%	99.632%	94.427%	100.000%
TN												
TX	205	200	5	3,472,887	512,883	2,960,004	80.488%	80.000%	100.000%	96.791%	78.272%	100.000%
UT												
VA	30	28	2	155,849	16,465	139,384	73.333%	75.000%	50.000%	11.486%	45.363%	7.484%
VT	87	78	9	81,508	44,981	36,527	52.874%	57.692%	11.111%	36.928%	63.580%	4.107%
WI	114	112	2	1,783,743	826,968	956,775	84.211%	83.929%	100.000%	96.214%	91.834%	100.000%
WV	27	17	10	38,980	5,783	33,197	3.704%	5.882%	0.000%	0.231%	1.556%	0.000%
WY	28	23	5	162,083	38,332	123,751	89.286%	91.304%	80.000%	78.455%	99.251%	72.014%
Total	5,921	5,191	730	70,631,392	23,338,623	47,292,769	69.262%	71.528%	53.151%	77.256%	81.666%	75.079%

Table A67c. Uranium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 30 µg/L			Percent of Systems with At Least One Detection > 30 µg/L			Population Served by Systems with At Least One Detection > 30 µg/L			Percent of Population Served with At Least One Detection > 30 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL												
AR												
AZ	6	6	0	3.750%	3.974%	0.000%	16,123	16,123	0	0.402%	1.457%	0.000%
CA	129	105	24	12.135%	12.209%	11.823%	7,453,544	602,391	6,851,153	24.234%	5.637%	34.136%
CO	34	30	4	13.386%	15.152%	7.143%	120,267	100,917	19,350	4.035%	40.609%	0.708%
CT	18	18	0	6.272%	6.691%	0.000%	3,273	3,273	0	0.223%	2.295%	0.000%
DE												
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA												
HI												
IA	1	1	0	5.263%	5.263%	0.000%	863	863	0	3.013%	3.013%	0.000%
ID	28	27	1	9.302%	9.247%	11.111%	252,364	66,364	186,000	36.954%	13.509%	97.043%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN												
KY												
MA	13	11	2	34.211%	33.333%	40.000%	9,977	2,887	7,090	8.396%	13.417%	7.286%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	14	14	0	51.852%	51.852%	0.000%	2,364	2,364	0	41.452%	41.452%	0.000%
MI												
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	3	3	0	6.977%	7.895%	0.000%	472	472	0	2.326%	2.756%	0.000%
NC	38	38	0	9.870%	11.585%	0.000%	18,284	18,284	0	0.503%	5.081%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	43	41	2	25.146%	24.260%	100.000%	178,042	152,590	25,452	58.813%	55.032%	100.000%
NH												
NJ	9	9	0	6.164%	7.692%	0.000%	18,580	18,580	0	0.291%	1.275%	0.000%
NM	33	33	0	10.092%	10.927%	0.000%	130,515	130,515	0	9.140%	11.001%	0.000%
NV	17	16	1	10.303%	10.323%	10.000%	104,230	47,730	56,500	19.582%	23.034%	17.382%
NY	4	4	0	1.606%	1.942%	0.000%	3,322	3,322	0	0.594%	3.738%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	2	2	0	0.315%	0.397%	0.000%	578	578	0	0.022%	0.130%	0.000%
RI	3	3	0	60.000%	60.000%	0.000%	2,017	2,017	0	47.830%	47.830%	0.000%
SC	7	6	1	1.549%	1.481%	2.128%	10,945	2,565	8,380	0.362%	0.488%	0.336%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN												
TX	29	29	0	14.146%	14.500%	0.000%	40,152	40,152	0	1.156%	7.829%	0.000%
UT												
VA	8	8	0	26.667%	28.571%	0.000%	3,422	3,422	0	2.196%	20.783%	0.000%
VT	2	2	0	2.299%	2.564%	0.000%	489	489	0	0.600%	1.087%	0.000%
WI	4	4	0	3.509%	3.571%	0.000%	23,973	23,973	0	1.344%	2.899%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	3	3	0	10.714%	13.043%	0.000%	317	317	0	0.196%	0.827%	0.000%
Total	448	413	35	7.566%	7.956%	4.795%	8,394,113	1,240,188	7,153,925	11.884%	5.314%	15.127%

Table A67d. Uranium – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 15 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 15 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 15 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 15 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL												
AR												
AZ	28	27	1	17.500%	17.881%	11.111%	842,488	702,488	140,000	21.016%	63.484%	4.824%
CA	299	246	53	28.128%	28.605%	26.108%	13,899,989	3,888,485	10,011,504	45.194%	36.387%	49.883%
CO	56	50	6	22.047%	25.253%	10.714%	183,520	117,370	66,150	6.157%	47.230%	2.421%
CT	37	37	0	12.892%	13.755%	0.000%	8,797	8,797	0	0.600%	6.168%	0.000%
DE												
FL	1	1	0	2.632%	3.125%	0.000%	37,227	37,227	0	1.062%	1.573%	0.000%
GA												
HI												
IA	1	1	0	5.263%	5.263%	0.000%	863	863	0	3.013%	3.013%	0.000%
ID	56	55	1	18.605%	18.836%	11.111%	384,679	198,679	186,000	56.329%	40.444%	97.043%
IL	2	2	0	1.653%	1.667%	0.000%	25,850	25,850	0	3.374%	3.382%	0.000%
IN												
KY												
MA	20	18	2	52.632%	54.545%	40.000%	10,456	3,366	7,090	8.799%	15.643%	7.286%
MD	4	3	1	21.053%	16.667%	100.000%	17,305	12,205	5,100	5.272%	3.777%	100.000%
ME	19	19	0	70.370%	70.370%	0.000%	2,606	2,606	0	45.695%	45.695%	0.000%
MI												
MN	8	8	0	7.143%	7.143%	0.000%	25,428	25,428	0	3.481%	3.481%	0.000%
MO	1	1	0	1.250%	1.250%	0.000%	11,224	11,224	0	12.745%	12.745%	0.000%
MT	12	10	2	27.907%	26.316%	40.000%	5,436	4,506	930	26.792%	26.309%	29.402%
NC	64	64	0	16.623%	19.512%	0.000%	23,297	23,297	0	0.641%	6.474%	0.000%
ND	3	3	0	1.754%	1.935%	0.000%	2,684	2,684	0	0.503%	1.132%	0.000%
NE	64	62	2	37.427%	36.686%	100.000%	205,629	180,177	25,452	67.926%	64.982%	100.000%
NH												
NJ	15	13	2	10.274%	11.111%	6.897%	354,726	22,850	331,876	5.560%	1.568%	6.743%
NM	55	55	0	16.820%	18.212%	0.000%	140,273	140,273	0	9.824%	11.824%	0.000%
NV	35	33	2	21.212%	21.290%	20.000%	128,503	71,703	56,800	24.143%	34.603%	17.474%
NY	13	12	1	5.221%	5.825%	2.326%	16,837	7,237	9,600	3.010%	8.143%	2.041%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK												
OR	3	3	0	0.473%	0.595%	0.000%	723	723	0	0.028%	0.162%	0.000%
RI	3	3	0	60.000%	60.000%	0.000%	2,017	2,017	0	47.830%	47.830%	0.000%
SC	10	9	1	2.212%	2.222%	2.128%	11,975	3,595	8,380	0.396%	0.684%	0.336%
SD	10	9	1	58.824%	56.250%	100.000%	133,595	5,469	128,126	97.381%	60.351%	100.000%
TN												
TX	75	73	2	36.585%	36.500%	40.000%	2,955,865	123,437	2,832,428	85.113%	24.067%	95.690%
UT												
VA	10	10	0	33.333%	35.714%	0.000%	4,172	4,172	0	2.677%	25.339%	0.000%
VT	3	3	0	3.448%	3.846%	0.000%	909	909	0	1.115%	2.021%	0.000%
WI	7	7	0	6.140%	6.250%	0.000%	52,475	52,475	0	2.942%	6.345%	0.000%
WV	1	1	0	3.704%	5.882%	0.000%	90	90	0	0.231%	1.556%	0.000%
WY	8	8	0	28.571%	34.783%	0.000%	3,875	3,875	0	2.391%	10.109%	0.000%
Total	923	846	77	15.589%	16.297%	10.548%	19,493,513	5,684,077	13,809,436	27.599%	24.355%	29.200%

Table A68. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 2 µg/L	46,158	31	0.067%	86,057,502	334,543	0.389%
	≥ 1 µg/L	46,158	63	0.136%	86,057,502	427,229	0.496%
	> 0.5 µg/L	46,158	113	0.245%	86,057,502	825,343	0.959%
Surface Water	> 2 µg/L	4,253	10	0.235%	140,406,921	147,536	0.105%
	≥ 1 µg/L	4,253	21	0.494%	140,406,921	468,912	0.334%
	> 0.5 µg/L	4,253	33	0.776%	140,406,921	1,621,211	1.155%
Combined Ground & Surface Water	> 2 µg/L	50,411	41	0.081%	226,464,423	482,079	0.213%
	≥ 1 µg/L	50,411	84	0.167%	226,464,423	896,141	0.396%
	> 0.5 µg/L	50,411	146	0.290%	226,464,423	2,446,554	1.080%



Table A68a. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,107	1,969	1,138	0.000%	0.000%	0.000%												
AL	820	596	224	0.122%	0.168%	0.000%	0.54	0.54		0.54	0.54		0.54	0.54		0.54	0.54	
AR	2,393	1,926	467	0.084%	0.104%	0.000%	0.32	0.32		0.69	0.69		1.06	1.06		1.06	1.06	
AZ	11,697	9,539	2,158	0.274%	0.199%	0.602%	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.3	0.5	0.9	0.9	0.5
CA	86,043	45,407	40,636	0.078%	0.024%	0.138%	0.5	0.6	0.5	1	0.73	1	1.5	1.6	1.5	5.6	5.6	2
CO	2,892	2,151	741	0.000%	0.000%	0.000%												
CT	6,939	6,048	891	0.058%	0.050%	0.112%	0.52	0.52	1	0.635	0.57	1	1	0.7	1	1	0.7	1
DE	1,048	1,018	30	0.095%	0.098%	0.000%	1.44	1.44		1.44	1.44		1.44	1.44		1.44	1.44	
FL	4,151	4,083	68	0.337%	0.343%	0.000%	0.17	0.17		0.88	0.88		4.6	4.6		4.98	4.98	
GA	7,174	6,347	827	0.070%	0.079%	0.000%	0.51	0.51		0.86	0.86		20	20		20	20	
HI	1,794	1,691	103	0.000%	0.000%	0.000%												
IA	1,995	1,846	149	0.301%	0.325%	0.000%	0.5	0.5		6.9	6.9		15	15		15	15	
ID	3,771	3,310	461	0.027%	0.030%	0.000%	0.6	0.6		0.6	0.6		0.6	0.6		0.6	0.6	
IL	6,671	6,185	486	0.270%	0.291%	0.000%	0.5	0.5		0.92	0.92		4	4		6.2	6.2	
IN	4,621	4,311	310	0.216%	0.232%	0.000%	0.2	0.2		0.5	0.5		0.95	0.95		1.2	1.2	
KY	3,309	1,126	2,183	0.151%	0.000%	0.229%	0.5		0.5	0.5		0.5	6		6	6		6
MA	16,249	12,259	3,990	0.080%	0.049%	0.175%	0.3	0.5	0.3	0.6	0.605	0.59	1.6	5	0.62	5	5	0.62
MD	6,773	5,511	1,262	0.354%	0.435%	0.000%	0.5	0.5		1.3	1.3		3.3	3.3		3.8	3.8	
ME	3,689	3,374	315	0.054%	0.059%	0.000%	0.1	0.1		0.55	0.55		1	1		1	1	
MI	10,753	9,743	1,010	0.046%	0.021%	0.297%	0.5	0.5	0.5	0.6	0.7	0.6	0.9	0.9	0.8	0.9	0.9	0.8
MN	8,583	7,336	1,247	0.489%	0.573%	0.000%	0.4	0.4		0.9	0.9		1.6	1.6		3.1	3.1	
MO	7,544	6,695	849	0.318%	0.239%	0.942%	0.5	0.5	0.57	1.09	1.015	1.12	1.88	1.88	2.48	2.64	2.64	2.48
MT	4,455	3,916	539	0.022%	0.026%	0.000%	2.26	2.26		2.26	2.26		2.26	2.26		2.26	2.26	
NC	19,058	17,478	1,580	0.084%	0.092%	0.000%	0.5	0.5		0.8	0.8		2.41	2.41		2.57	2.57	
ND	551	416	135	0.181%	0.240%	0.000%	0.66	0.66		0.66	0.66		0.66	0.66		0.66	0.66	
NE	6,838	6,262	576	0.058%	0.064%	0.000%	0.43	0.43		0.89	0.89		1.6	1.6		1.6	1.6	
NH	9,581	9,103	478	0.021%	0.022%	0.000%	0.71	0.71		1.255	1.255		1.8	1.8		1.8	1.8	
NJ	20,361	18,574	1,787	0.157%	0.162%	0.112%	0.23	0.23	0.5	1.195	1.31	0.55	15.43	19.04	0.6	46.5	46.5	0.6
NM	6,572	6,096	476	0.000%	0.000%	0.000%												
NV	3,209	2,577	632	0.000%	0.000%	0.000%												
NY	7,074	5,411	1,663	0.085%	0.074%	0.120%	0.5	0.5	0.5	0.5	0.5	0.5	13.6	13.6	0.5	13.6	13.6	0.5
OH	8,844	7,683	1,161	0.294%	0.338%	0.000%	0.3	0.3		0.77	0.77		9.3	9.3		9.7	9.7	
OK	5,634	4,199	1,435	0.266%	0.357%	0.000%	0.6	0.6		3.11	3.11		6.3	6.3		20.6	20.6	
OR	2,325	1,683	642	0.000%	0.000%	0.000%												
RI	1,959	1,591	368	0.000%	0.000%	0.000%												
SC	4,342	3,803	539	0.230%	0.237%	0.186%	0.4	0.53	0.4	2.35	4.05	0.4	13.25	17	0.4	17	17	0.4
SD	889	855	34	0.000%	0.000%	0.000%												
TN	2,944	1,166	1,778	0.102%	0.000%	0.169%	0.6		0.6	0.8		0.8	1.8		1.8	1.8		1.8
TX	34,146	27,044	7,102	0.196%	0.111%	0.521%	0.5	0.5	0.6	1.6	0.95	2.1	3.4	6.05	3.4	20	20	3.6
UT	8,988	7,557	1,431	0.078%	0.093%	0.000%	0.7	0.7		0.7	0.7		0.8	0.8		0.8	0.8	
VA	4,930	4,058	872	0.183%	0.123%	0.459%	0.6	0.8	0.6	1.1	1.2	1	4.7	4.7	1.8	4.7	4.7	1.8
VT	4,348	3,955	393	0.046%	0.025%	0.254%	1.1	1.1	37.7	19.4	1.1	37.7	37.7	1.1	37.7	37.7	1.1	37.7
WI	11,295	11,170	125	0.443%	0.448%	0.000%	0.01	0.01		0.5	0.5		0.9	0.9		3.59	3.59	
WV	1,141	445	696	2.016%	2.472%	1.724%	0.23	0.23	0.4	0.5	0.5	1.46	2.4	0.5	2.6	3	0.5	3
WY	1,661	1,158	503	0.000%	0.000%	0.000%												
Total	373,161	288,671	84,490	0.147%	0.137%	0.183%	0.01	0.01	0.3	0.89	0.8	1	3.545	4.6	2.48	46.5	46.5	37.7

Table A68b. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	619	473	146	606,053	232,450	373,603	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
AL	263	202	61	4,218,278	1,123,190	3,095,088	0.380%	0.495%	0.000%	0.011%	0.041%	0.000%
AR	454	382	72	2,453,348	910,322	1,543,026	0.441%	0.524%	0.000%	0.062%	0.167%	0.000%
AZ	1,059	1,011	48	6,166,873	2,796,282	3,370,591	1.605%	1.286%	8.333%	10.149%	1.477%	17.342%
CA	3,651	3,134	517	35,828,298	13,515,837	22,312,461	0.219%	0.191%	0.387%	0.983%	0.074%	1.533%
CO	827	606	221	4,998,841	531,207	4,467,634	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
CT	1,207	1,168	39	2,723,376	389,454	2,333,922	0.249%	0.171%	2.564%	1.224%	0.046%	1.420%
DE	318	315	3	698,987	417,587	281,400	0.314%	0.317%	0.000%	0.109%	0.182%	0.000%
FL	1,509	1,483	26	17,416,591	15,170,549	2,246,042	0.398%	0.405%	0.000%	1.986%	2.280%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	0.165%	0.176%	0.000%	0.030%	0.139%	0.000%
HI	106	94	12	1,293,745	1,239,117	54,628	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
IA	1,056	1,023	33	2,543,141	1,434,515	1,108,626	0.284%	0.293%	0.000%	0.443%	0.785%	0.000%
ID	935	878	57	1,093,666	837,604	256,062	0.107%	0.114%	0.000%	0.004%	0.005%	0.000%
IL	1,401	1,301	100	8,824,185	2,758,065	6,066,120	0.642%	0.692%	0.000%	0.073%	0.233%	0.000%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	0.204%	0.210%	0.000%	0.217%	0.413%	0.000%
KY	241	92	149	4,602,392	375,363	4,227,029	2.075%	0.000%	3.356%	2.411%	0.000%	2.626%
MA	718	600	118	8,557,325	1,749,901	6,807,424	0.975%	0.667%	2.542%	1.446%	1.535%	1.423%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	0.474%	0.507%	0.000%	0.065%	0.316%	0.000%
ME	810	757	53	728,347	292,773	435,574	0.247%	0.264%	0.000%	0.036%	0.089%	0.000%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	0.168%	0.069%	4.918%	2.468%	0.168%	3.346%
MN	1,582	1,552	30	4,260,523	3,010,848	1,249,675	0.442%	0.451%	0.000%	5.316%	7.522%	0.000%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	1.553%	1.194%	7.792%	19.775%	12.281%	29.409%
MT	848	788	60	757,949	365,280	392,669	0.118%	0.127%	0.000%	0.009%	0.019%	0.000%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	0.338%	0.359%	0.000%	0.225%	0.909%	0.000%
ND	210	183	27	562,397	257,172	305,225	0.476%	0.546%	0.000%	0.252%	0.551%	0.000%
NE	771	760	11	1,462,181	685,701	776,480	0.389%	0.395%	0.000%	0.232%	0.494%	0.000%
NH	1,258	1,217	41	948,788	398,989	549,799	0.079%	0.082%	0.000%	0.003%	0.008%	0.000%
NJ	1,398	1,361	37	7,748,495	2,712,549	5,035,946	0.572%	0.514%	2.703%	5.357%	5.809%	5.114%
NM	727	688	39	1,698,980	1,432,432	266,548	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NV	338	317	21	973,592	283,701	689,891	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
NY	1,523	1,287	236	4,893,289	1,042,687	3,850,602	0.394%	0.311%	0.847%	0.096%	0.421%	0.008%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	0.206%	0.220%	0.000%	0.031%	0.100%	0.000%
OK	730	518	212	3,123,687	664,833	2,458,854	0.548%	0.772%	0.000%	0.048%	0.226%	0.000%
OR	1,097	945	152	2,940,119	574,689	2,365,430	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
RI	145	136	9	913,884	173,906	739,978	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
SC	819	757	62	3,356,831	732,879	2,623,952	0.488%	0.396%	1.613%	0.320%	0.137%	0.371%
SD	245	233	12	266,416	194,218	72,198	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	0.855%	0.000%	1.587%	1.810%	0.000%	2.437%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	0.424%	0.304%	2.047%	0.657%	0.481%	0.760%
UT	500	454	46	2,553,197	1,698,877	854,320	0.400%	0.441%	0.000%	0.042%	0.063%	0.000%
VA	1,600	1,429	171	5,273,258	630,675	4,642,583	0.500%	0.280%	2.339%	1.713%	0.626%	1.860%
VT	603	560	43	491,035	227,067	263,968	0.332%	0.179%	2.326%	0.296%	0.040%	0.517%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	0.392%	0.397%	0.000%	1.370%	2.358%	0.000%
WV	403	243	160	1,416,020	237,670	1,178,350	3.474%	4.527%	1.875%	2.193%	1.018%	2.430%
WY	304	256	48	446,177	129,229	316,948	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
Total	50,411	46,158	4,253	226,464,423	86,057,502	140,406,921	0.411%	0.349%	1.082%	1.558%	1.388%	1.663%

Table A68c. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 2 µg/L			Percent of Systems with At Least One Detection > 2 µg/L			Population Served by Systems with At Least One Detection > 2 µg/L			Percent of Population Served with At Least One Detection > 2 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	1	1	0	0.027%	0.032%	0.000%	45	45	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	2	2	0	0.133%	0.135%	0.000%	197,826	197,826	0	1.136%	1.304%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	700	700	0	0.009%	0.044%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	2	2	0	0.189%	0.196%	0.000%	9,987	9,987	0	0.393%	0.696%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	3	3	0	0.214%	0.231%	0.000%	745	745	0	0.008%	0.027%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	1	0	1	0.415%	0.000%	0.671%	1,617	0	1,617	0.035%	0.000%	0.038%
MA	1	1	0	0.139%	0.167%	0.000%	2,500	2,500	0	0.029%	0.143%	0.000%
MD	1	1	0	0.095%	0.101%	0.000%	150	150	0	0.003%	0.015%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	2	2	0	0.126%	0.129%	0.000%	92,282	92,282	0	2.166%	3.065%	0.000%
MO	2	1	1	0.141%	0.075%	1.299%	2,272	272	2,000	0.076%	0.016%	0.152%
MT	1	1	0	0.118%	0.127%	0.000%	71	71	0	0.009%	0.019%	0.000%
NC	2	2	0	0.084%	0.090%	0.000%	14,356	14,356	0	0.205%	0.828%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	2	2	0	0.143%	0.147%	0.000%	80	80	0	0.001%	0.003%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.162%	0.000%
OH	2	2	0	0.103%	0.110%	0.000%	1,763	1,763	0	0.017%	0.056%	0.000%
OK	1	1	0	0.137%	0.193%	0.000%	250	250	0	0.008%	0.038%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	1	0	0.122%	0.132%	0.000%	281	281	0	0.008%	0.038%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	11	5	6	0.222%	0.108%	1.754%	131,567	11,475	120,092	0.524%	0.123%	0.759%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	1	1	0	0.063%	0.070%	0.000%	50	50	0	0.001%	0.008%	0.000%
VT	1	0	1	0.166%	0.000%	2.326%	1,365	0	1,365	0.278%	0.000%	0.517%
WI	1	1	0	0.056%	0.057%	0.000%	25	25	0	0.001%	0.001%	0.000%
WV	1	0	1	0.248%	0.000%	0.625%	22,462	0	22,462	1.586%	0.000%	1.906%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	41	31	10	0.081%	0.067%	0.235%	482,079	334,543	147,536	0.213%	0.389%	0.105%

Table A68d. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	1	1	0	0.220%	0.262%	0.000%	357	357	0	0.015%	0.039%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	4	3	1	0.110%	0.096%	0.193%	208,600	8,600	200,000	0.582%	0.064%	0.896%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	1	0	1	0.083%	0.000%	2.564%	33,143	0	33,143	1.217%	0.000%	1.420%
DE	1	1	0	0.314%	0.317%	0.000%	760	760	0	0.109%	0.182%	0.000%
FL	2	2	0	0.133%	0.135%	0.000%	197,826	197,826	0	1.136%	1.304%	0.000%
GA	1	1	0	0.055%	0.059%	0.000%	700	700	0	0.009%	0.044%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	2	2	0	0.189%	0.196%	0.000%	9,987	9,987	0	0.393%	0.696%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	5	5	0	0.357%	0.384%	0.000%	1,538	1,538	0	0.017%	0.056%	0.000%
IN	1	1	0	0.068%	0.070%	0.000%	10,452	10,452	0	0.214%	0.406%	0.000%
KY	2	0	2	0.830%	0.000%	1.342%	50,417	0	50,417	1.095%	0.000%	1.193%
MA	2	2	0	0.279%	0.333%	0.000%	2,545	2,545	0	0.030%	0.145%	0.000%
MD	4	4	0	0.380%	0.406%	0.000%	2,190	2,190	0	0.044%	0.214%	0.000%
ME	1	1	0	0.123%	0.132%	0.000%	215	215	0	0.030%	0.073%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	2	2	0	0.126%	0.129%	0.000%	92,282	92,282	0	2.166%	3.065%	0.000%
MO	12	8	4	0.847%	0.597%	5.195%	41,197	26,064	15,133	1.371%	1.543%	1.151%
MT	1	1	0	0.118%	0.127%	0.000%	71	71	0	0.009%	0.019%	0.000%
NC	4	4	0	0.169%	0.180%	0.000%	14,522	14,522	0	0.208%	0.838%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	2	2	0	0.259%	0.263%	0.000%	163	163	0	0.011%	0.024%	0.000%
NH	1	1	0	0.079%	0.082%	0.000%	30	30	0	0.003%	0.008%	0.000%
NJ	3	3	0	0.215%	0.220%	0.000%	20,080	20,080	0	0.259%	0.740%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.162%	0.000%
OH	2	2	0	0.103%	0.110%	0.000%	1,763	1,763	0	0.017%	0.056%	0.000%
OK	2	2	0	0.274%	0.386%	0.000%	390	390	0	0.012%	0.059%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	1	1	0	0.122%	0.132%	0.000%	281	281	0	0.008%	0.038%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	1	0	1	0.285%	0.000%	0.529%	2,900	0	2,900	0.051%	0.000%	0.069%
TX	15	8	7	0.303%	0.174%	2.047%	152,355	32,163	120,192	0.607%	0.346%	0.760%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	5	3	2	0.313%	0.210%	1.170%	23,950	2,450	21,500	0.454%	0.388%	0.463%
VT	2	1	1	0.332%	0.179%	2.326%	1,455	90	1,365	0.296%	0.040%	0.517%
WI	1	1	0	0.056%	0.057%	0.000%	25	25	0	0.001%	0.001%	0.000%
WV	2	0	2	0.496%	0.000%	1.250%	24,262	0	24,262	1.713%	0.000%	2.059%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	84	63	21	0.167%	0.136%	0.494%	896,141	427,229	468,912	0.396%	0.496%	0.334%

Table A68e. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 0.5 µg/L			Percent of Systems with At Least One Detection > 0.5 µg/L			Population Served by Systems with At Least One Detection > 0.5 µg/L			Percent of Population Served with At Least One Detection > 0.5 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	1	1	0	0.380%	0.495%	0.000%	456	456	0	0.011%	0.041%	0.000%
AR	1	1	0	0.220%	0.262%	0.000%	357	357	0	0.015%	0.039%	0.000%
AZ	1	1	0	0.094%	0.099%	0.000%	66	66	0	0.001%	0.002%	0.000%
CA	8	6	2	0.219%	0.191%	0.387%	352,030	10,030	342,000	0.983%	0.074%	1.533%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	3	2	1	0.249%	0.171%	2.564%	33,323	180	33,143	1.224%	0.046%	1.420%
DE	1	1	0	0.314%	0.317%	0.000%	760	760	0	0.109%	0.182%	0.000%
FL	3	3	0	0.199%	0.202%	0.000%	214,626	214,626	0	1.232%	1.415%	0.000%
GA	3	3	0	0.165%	0.176%	0.000%	2,220	2,220	0	0.030%	0.139%	0.000%
HI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IA	2	2	0	0.189%	0.196%	0.000%	9,987	9,987	0	0.393%	0.696%	0.000%
ID	1	1	0	0.107%	0.114%	0.000%	40	40	0	0.004%	0.005%	0.000%
IL	8	8	0	0.571%	0.615%	0.000%	3,439	3,439	0	0.039%	0.125%	0.000%
IN	2	2	0	0.136%	0.140%	0.000%	10,562	10,562	0	0.216%	0.411%	0.000%
KY	2	0	2	0.830%	0.000%	1.342%	50,417	0	50,417	1.095%	0.000%	1.193%
MA	5	3	2	0.696%	0.500%	1.695%	72,530	26,464	46,066	0.848%	1.512%	0.677%
MD	4	4	0	0.380%	0.406%	0.000%	2,190	2,190	0	0.044%	0.214%	0.000%
ME	1	1	0	0.123%	0.132%	0.000%	215	215	0	0.030%	0.073%	0.000%
MI	3	1	2	0.101%	0.034%	3.279%	173,554	3,173	170,381	2.425%	0.160%	3.289%
MN	4	4	0	0.253%	0.258%	0.000%	221,734	221,734	0	5.204%	7.365%	0.000%
MO	19	13	6	1.341%	0.970%	7.792%	503,012	116,439	386,573	16.744%	6.891%	29.409%
MT	1	1	0	0.118%	0.127%	0.000%	71	71	0	0.009%	0.019%	0.000%
NC	8	8	0	0.338%	0.359%	0.000%	15,754	15,754	0	0.225%	0.909%	0.000%
ND	1	1	0	0.476%	0.546%	0.000%	1,417	1,417	0	0.252%	0.551%	0.000%
NE	3	3	0	0.389%	0.395%	0.000%	3,389	3,389	0	0.232%	0.494%	0.000%
NH	1	1	0	0.079%	0.082%	0.000%	30	30	0	0.003%	0.008%	0.000%
NJ	5	4	1	0.358%	0.294%	2.703%	327,620	70,080	257,540	4.228%	2.584%	5.114%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	1	1	0	0.066%	0.078%	0.000%	1,685	1,685	0	0.034%	0.162%	0.000%
OH	3	3	0	0.154%	0.165%	0.000%	3,103	3,103	0	0.030%	0.099%	0.000%
OK	4	4	0	0.548%	0.772%	0.000%	1,501	1,501	0	0.048%	0.226%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	3	3	0	0.366%	0.396%	0.000%	1,006	1,006	0	0.030%	0.137%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	3	0	3	0.855%	0.000%	1.587%	102,900	0	102,900	1.810%	0.000%	2.437%
TX	21	14	7	0.424%	0.304%	2.047%	164,899	44,707	120,192	0.657%	0.481%	0.760%
UT	2	2	0	0.400%	0.441%	0.000%	1,070	1,070	0	0.042%	0.063%	0.000%
VA	8	4	4	0.500%	0.280%	2.339%	90,322	3,950	86,372	1.713%	0.626%	1.860%
VT	2	1	1	0.332%	0.179%	2.326%	1,455	90	1,365	0.296%	0.040%	0.517%
WI	6	6	0	0.336%	0.340%	0.000%	54,552	54,552	0	1.350%	2.324%	0.000%
WV	2	0	2	0.496%	0.000%	1.250%	24,262	0	24,262	1.713%	0.000%	2.059%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	146	113	33	0.290%	0.245%	0.776%	2,446,554	825,343	1,621,211	1.080%	0.959%	1.155%

Table A69. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Concentration or Threshold of Interest	Total # Systems Reporting	# Systems Exceeding Threshold of Interest	% Systems Exceeding Threshold of Interest	Total Pop. Served by Systems Reporting	Total Pop. Served by Systems Exceeding Threshold of Interest	% Pop. Served by Systems Exceeding Threshold of Interest
Ground Water	> 10,000 µg/L	43,726	0	0.000%	83,748,512	0	0.000%
	≥ 5,000 µg/L	43,726	0	0.000%	83,748,512	0	0.000%
	≥ 1,000 µg/L	43,726	9	0.021%	83,748,512	2,344	0.003%
Surface Water	> 10,000 µg/L	3,972	0	0.000%	134,323,023	0	0.000%
	≥ 5,000 µg/L	3,972	0	0.000%	134,323,023	0	0.000%
	≥ 1,000 µg/L	3,972	1	0.025%	134,323,023	1,785	0.001%
Combined Ground & Surface Water	> 10,000 µg/L	47,698	0	0.000%	218,071,535	0	0.000%
	≥ 5,000 µg/L	47,698	0	0.000%	218,071,535	0	0.000%
	≥ 1,000 µg/L	47,698	10	0.021%	218,071,535	4,129	0.002%

Table A69a. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Records			Percent of Samples with Detections			Minimum Detect Concentration (µg/L)			Median Detect Concentration (µg/L)			90th Percentile Detect Concentration (µg/L)			Maximum Detect Concentration (µg/L)		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	3,385	2,220	1,165	6.204%	2.883%	12.532%	0.18	0.18	0.2	2.285	1.38	2.93	80.5	4.98	167	506	73	506
AL	904	669	235	12.168%	14.499%	5.532%	0.51	0.52	0.51	1.385	1.51	0.7	15.575	16.27	2.9	194.9	194.9	20
AR	2,393	1,926	467	6.143%	7.113%	2.141%	0.21	0.21	0.5	1.26	1.26	1.465	6.49	6.53	3.51	34.6	34.6	3.93
AZ	11,736	9,562	2,174	3.391%	3.639%	2.300%	0.5	0.5	0.5	2	2	1.5	10	9.1	25	480	191	480
CA	83,594	43,873	39,721	0.206%	0.157%	0.259%	0.25	0.25	0.5	1.2	1.4	1	8.3	6.9	13.2	79	62	79
CO	2,975	2,213	762	5.849%	6.055%	5.249%	0.06	0.06	0.3	1.7	1.4	2.5	10.5	10	11.5	2800	2800	17.9
CT	146	144	2	2.055%	2.083%	0.000%	0.78	0.78		2.2	2.2		9.1	9.1		9.1	9.1	
DE	1,056	1,026	30	2.652%	2.729%	0.000%	0.56	0.56		3.44	3.44		83.5	83.5		259	259	
FL	4,241	4,173	68	4.150%	4.218%	0.000%	0.08	0.08		1.45	1.45		8.4	8.4		1300	1300	
GA	7,172	6,346	826	6.762%	7.501%	1.090%	0.5	0.5	0.5	1.6	1.6	1.7	6	6	5.6	58	58	5.6
HI																		
IA	2,217	2,058	159	11.412%	11.224%	13.836%	0.1	0.1	0.5	1	1	1	6.1	6.1	4.3	4000	4000	37
ID	3,741	3,280	461	0.508%	0.549%	0.217%	0.3	0.3	11.6	1.1	1.1	11.6	600	600	11.6	2100	2100	11.6
IL	7,194	6,601	593	7.034%	7.514%	1.686%	0.5	0.5	0.6	1.175	1.185	0.835	5.4	5.5	1.845	800	800	2.29
IN	4,622	4,312	310	1.125%	1.020%	2.581%	0.5	0.5	0.55	1.45	1.3	2.095	6.1	6.1	13.8	43	43	13.8
KY	2,988	1,000	1,988	2.644%	2.000%	2.968%	0.002	0.3	0.002	1	2.55	0.8	11	20.75	4	66	66	20.7
MA	16,249	12,259	3,990	0.769%	0.710%	0.952%	0.5	0.5	0.52	1.56	1.5	1.825	6.6	5.6	15.6	53	30	53
MD	6,763	5,509	1,254	2.455%	2.868%	0.638%	0.3	0.5	0.3	2.95	3.1	1.55	12.8	13	5.6	39.9	39.9	5.6
ME	3,362	3,079	283	0.684%	0.390%	3.887%	0.9	1	0.9	2.2	1.95	2.8	9.2	10.2	6.7	16.5	16.5	9.2
MI	19,359	17,522	1,837	1.612%	0.965%	7.784%	0.06	0.06	0.5	1	1	0.8	5.5	6.4	4.8	800	800	23.2
MN	8,693	7,423	1,270	7.765%	6.588%	14.646%	0.2	0.2	0.2	0.7	0.7	0.8	3.2	3.3	3	199	199	61
MO	7,543	6,694	849	3.301%	3.257%	3.651%	0.5	0.5	0.5	1.89	2.1	1	10.3	11.1	2	239	239	18.6
MT	4,494	3,952	542	1.090%	0.987%	1.845%	0.44	0.44	1.1	4	4	4.95	27	30	7.3	2400	2400	7.6
NC	19,072	17,491	1,581	8.054%	8.684%	1.075%	0.5	0.5	0.57	2.2	2.2	1.3	14.8	15	5.3	2220	2220	15.2
ND	570	434	136	9.123%	10.599%	4.412%	0.5	0.5	0.61	1.02	1.075	0.79	5.77	9.8	1.2	242	242	1.2
NE	6,838	6,262	576	0.775%	0.671%	1.910%	0.33	0.33	0.34	1.3	1.765	0.75	11.6	12.8	1.76	30.1	30.1	2.33
NH	9,584	9,106	478	0.355%	0.373%	0.000%	0.5	0.5		1.765	1.765		19.3	19.3		71	71	
NJ	19,767	18,015	1,752	0.890%	0.916%	0.628%	0.12	0.12	0.3	1.35	1.25	1.9	6.8	6.6	11.4	300	300	25
NM	6,547	6,071	476	1.466%	1.417%	2.101%	0.14	0.14	0.2	1.2	1.35	0.93	7.4	8.07	2.385	104	104	2.7
NV	3,139	2,508	631	0.828%	0.797%	0.951%	0.74	0.74	0.9	2.7	2.7	4.2	36.9	60.3	10.8	1400	1400	10.8
NY	25	22	3	24.000%	27.273%	0.000%	0.5	0.5		1.31	1.31		7.6	7.6		7.6	7.6	
OH	8,832	7,676	1,156	2.638%	2.619%	2.768%	0.01	0.01	0.5	1.7	2.1	0.9	16.6	22	2.3	327	327	6.8
OK	5,636	4,200	1,436	4.418%	4.500%	4.178%	0.34	0.5	0.34	1.7	1.9	1.46	12.4	14.6	7.51	117.9	117.9	38.5
OR	2,344	1,689	655	1.280%	0.414%	3.511%	0.6	1	0.6	2	2.9	1.4	305	600	10	1860	600	1860
RI	1,953	1,585	368	0.819%	0.505%	2.174%	0.7	0.7	0.95	5.3	3.8	6.925	14	14	35.1	35.1	14	35.1
SC	4,333	3,800	533	40.157%	40.289%	39.212%	0.3	0.3	1	1	1	1	1	1	1	600	600	6.06
SD	886	852	34	1.580%	1.643%	0.000%	1.28	1.28		2.415	2.415		3.7	3.7		5.25	5.25	
TN	2,945	1,164	1,781	0.340%	0.601%	0.168%	0.55	0.76	0.55	1.05	1.1	1	3.85	5.2	2.5	5.2	5.2	2.5
TX	34,162	27,058	7,104	0.266%	0.288%	0.183%	1.88	1.88	2.23	4.85	5.415	3.55	15.76	19.54	5.42	318.56	318.56	14.52
UT	8,981	7,550	1,431	0.557%	0.503%	0.839%	0.3	0.3	0.7	1.8	1.8	4.3	68.3	69.5	15.3	490	140	490
VA	4,918	4,045	873	4.107%	4.598%	1.833%	0.5	0.5	0.5	3.25	3.2	3.75	19	18	28	320	320	47
VT	3,995	3,633	362	0.125%	0.138%	0.000%	0.2	0.2		3.1	3.1		29.6	29.6		29.6	29.6	
WI	11,300	11,176	124	1.522%	1.539%	0.000%	0.02	0.02		0.88	0.88		4.8	4.8		1420	1420	
WV	1,143	444	699	2.800%	4.730%	1.574%	0.25	0.25	0.5	0.82	0.6	1.3	4	3.11	4	10.1	4.1	10.1
WY	1,669	1,165	504	2.217%	2.747%	0.992%	0.5	0.5	0.56	1.7	2.05	1.03	13	13	2.3	41	41	2.3
Total	363,466	281,787	81,679	2.551%	2.811%	1.654%	0.002	0.01	0.002	1.1	1.1	1	8.1	8.1	8.3	4000	4000	1860

Table A69b. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Total Number of Systems Reporting			Total Population Served by Systems Reporting			Percent of Systems with At Least One Detection			Percent of Population Served with At Least One Detection		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	620	474	146	606,193	232,590	373,603	11.129%	6.118%	27.397%	7.842%	6.903%	8.427%
AL	266	204	62	4,230,338	1,124,693	3,105,645	21.053%	23.529%	12.903%	18.185%	27.024%	14.984%
AR	454	382	72	2,453,348	910,322	1,543,026	11.233%	12.565%	4.167%	4.089%	9.243%	1.049%
AZ	1,058	1,010	48	6,166,773	2,796,182	3,370,591	12.382%	11.584%	29.167%	32.122%	42.836%	23.233%
CA	3,626	3,111	515	35,825,523	13,513,182	22,312,341	2.206%	1.446%	6.796%	31.037%	7.723%	45.156%
CO	829	608	221	5,000,031	532,397	4,467,634	10.374%	11.513%	7.240%	4.132%	23.437%	1.831%
CT	110	109	1	30,258	23,638	6,620	1.818%	1.835%	0.000%	0.687%	0.880%	0.000%
DE	318	315	3	698,987	417,587	281,400	5.660%	5.714%	0.000%	18.897%	31.631%	0.000%
FL	1,520	1,494	26	17,504,412	15,258,370	2,246,042	5.000%	5.087%	0.000%	4.071%	4.670%	0.000%
GA	1,822	1,706	116	7,485,298	1,592,517	5,892,781	8.123%	8.499%	2.586%	6.656%	24.580%	1.812%
HI												
IA	1,057	1,024	33	2,543,315	1,434,689	1,108,626	14.191%	13.574%	33.333%	16.461%	17.157%	15.559%
ID	935	878	57	1,093,666	837,604	256,062	1.070%	1.025%	1.754%	4.892%	6.325%	0.205%
IL	1,428	1,324	104	9,214,766	3,014,309	6,200,397	10.784%	11.329%	3.846%	5.133%	15.334%	0.174%
IN	1,474	1,430	44	4,891,221	2,571,485	2,319,736	1.696%	1.608%	4.545%	3.380%	6.390%	0.042%
KY	241	92	149	4,602,392	375,363	4,227,029	20.332%	14.130%	24.161%	21.628%	9.444%	22.710%
MA	718	600	118	8,557,325	1,749,901	6,807,424	8.078%	6.833%	14.407%	6.905%	14.424%	4.972%
MD	1,054	986	68	5,023,402	1,025,295	3,998,107	6.072%	6.085%	5.882%	36.067%	7.908%	43.288%
ME	807	754	53	728,215	292,641	435,574	1.611%	1.459%	3.774%	19.511%	1.141%	31.853%
MI	2,972	2,911	61	7,157,738	1,977,882	5,179,856	2.927%	2.267%	34.426%	57.568%	22.311%	71.030%
MN	1,584	1,554	30	4,260,894	3,011,219	1,249,675	17.992%	16.988%	70.000%	48.687%	45.335%	56.762%
MO	1,417	1,340	77	3,004,094	1,689,633	1,314,461	10.092%	9.254%	24.675%	13.389%	18.111%	7.320%
MT	848	788	60	757,949	365,280	392,669	2.123%	1.650%	8.333%	4.375%	4.781%	3.998%
NC	2,367	2,228	139	6,998,123	1,732,957	5,265,166	20.110%	20.826%	8.633%	24.297%	37.518%	19.946%
ND	210	183	27	562,397	257,172	305,225	19.048%	19.126%	18.519%	6.209%	11.612%	1.656%
NE	771	760	11	1,462,181	685,701	776,480	4.280%	3.816%	36.364%	4.928%	8.617%	1.670%
NH	1,258	1,217	41	948,788	398,989	549,799	1.908%	1.972%	0.000%	0.633%	1.504%	0.000%
NJ	1,392	1,355	37	7,746,465	2,710,519	5,035,946	6.250%	6.125%	10.811%	17.118%	20.126%	15.499%
NM	724	685	39	1,690,690	1,424,142	266,548	7.320%	7.007%	12.821%	43.697%	50.692%	6.323%
NV	338	317	21	973,592	283,701	689,891	4.438%	3.785%	14.286%	27.034%	5.191%	36.016%
NY	12	10	2	8,865	4,945	3,920	41.667%	50.000%	0.000%	5.753%	10.313%	0.000%
OH	1,944	1,819	125	10,227,597	3,132,660	7,094,937	5.350%	4.728%	14.400%	20.719%	2.928%	28.575%
OK	730	518	212	3,123,687	664,833	2,458,854	10.685%	11.004%	9.906%	3.884%	9.590%	2.341%
OR	1,097	945	152	2,940,119	574,689	2,365,430	1.550%	0.741%	6.579%	1.317%	0.602%	1.490%
RI	145	136	9	913,884	173,906	739,978	6.207%	4.412%	33.333%	23.796%	41.287%	19.685%
SC	819	757	62	3,356,831	732,879	2,623,952	72.772%	71.731%	85.484%	93.601%	80.116%	97.367%
SD	245	233	12	266,416	194,218	72,198	2.041%	2.146%	0.000%	2.048%	2.809%	0.000%
TN	351	162	189	5,685,258	1,462,502	4,222,756	1.994%	2.469%	1.587%	2.278%	0.909%	2.752%
TX	4,951	4,609	342	25,111,902	9,297,171	15,814,731	1.232%	1.085%	3.216%	1.412%	1.701%	1.243%
UT	500	454	46	2,553,197	1,698,877	854,320	3.200%	3.084%	4.348%	8.735%	3.781%	18.586%
VA	1,596	1,425	171	5,272,971	630,388	4,642,583	5.639%	5.684%	5.263%	4.252%	12.464%	3.137%
VT	600	557	43	490,811	226,843	263,968	0.667%	0.718%	0.000%	0.273%	0.591%	0.000%
WI	1,784	1,764	20	4,039,526	2,347,782	1,691,744	4.484%	4.535%	0.000%	11.234%	19.330%	0.000%
WV	402	242	160	1,415,980	237,630	1,178,350	6.468%	6.612%	6.250%	3.297%	3.387%	3.279%
WY	304	256	48	446,177	129,229	316,948	7.237%	6.641%	10.417%	11.470%	7.933%	12.912%
Total	47,698	43,726	3,972	218,071,535	83,748,512	134,323,023	7.592%	7.275%	11.078%	17.480%	13.222%	20.134%



Table A69c. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection > 10,000 µg/L			Percent of Systems with At Least One Detection > 10,000 µg/L			Population Served by Systems with At Least One Detection > 10,000 µg/L			Percent of Population Served with At Least One Detection > 10,000 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A69d. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection ≥ 5,000 µg/L			Percent of Systems with At Least One Detection ≥ 5,000 µg/L			Population Served by Systems with At Least One Detection ≥ 5,000 µg/L			Percent of Population Served with At Least One Detection ≥ 5,000 µg/L		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ID	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%

Table A69e. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

State	Number of Systems with At Least One Detection $\geq 1,000 \mu\text{g/L}$			Percent of Systems with At Least One Detection $\geq 1,000 \mu\text{g/L}$			Population Served by Systems with At Least One Detection $\geq 1,000 \mu\text{g/L}$			Percent of Population Served with At Least One Detection $\geq 1,000 \mu\text{g/L}$		
	Total	GW	SW	Total	GW	SW	Total	GW	SW	Total	GW	SW
AK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AR	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
AZ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
CO	1	1	0	0.121%	0.164%	0.000%	320	320	0	0.006%	0.060%	0.000%
CT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
DE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
FL	1	1	0	0.066%	0.067%	0.000%	100	100	0	0.001%	0.001%	0.000%
GA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
HI												
IA	1	1	0	0.095%	0.098%	0.000%	1,074	1,074	0	0.042%	0.075%	0.000%
ID	1	1	0	0.107%	0.114%	0.000%	200	200	0	0.018%	0.024%	0.000%
IL	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
IN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
KY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
ME	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MO	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
MT	1	1	0	0.118%	0.127%	0.000%	165	165	0	0.022%	0.045%	0.000%
NC	2	2	0	0.084%	0.090%	0.000%	317	317	0	0.005%	0.018%	0.000%
ND	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NE	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NJ	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NM	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
NV	1	1	0	0.296%	0.315%	0.000%	100	100	0	0.010%	0.035%	0.000%
NY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OH	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OK	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
OR	1	0	1	0.091%	0.000%	0.658%	1,785	0	1,785	0.061%	0.000%	0.075%
RI	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SC	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
SD	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TN	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
TX	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
UT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VA	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
VT	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WI	1	1	0	0.056%	0.057%	0.000%	68	68	0	0.002%	0.003%	0.000%
WV	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
WY	0	0	0	0.000%	0.000%	0.000%	0	0	0	0.000%	0.000%	0.000%
Total	10	9	1	0.021%	0.021%	0.025%	4,129	2,344	1,785	0.002%	0.003%	0.001%

Table B1. Benzene - Summary of the Stage 2 Analyses

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	46,177	9	9	9	0.019%	0.019%	0.019%
	≥ 2.5 µg/L	46,177	15	13	13	0.032%	0.028%	0.028%
	≥ 1 µg/L	46,177	67	55	49	0.145%	0.119%	0.106%
	> 0.5 µg/L	46,177	264	114	90	0.572%	0.247%	0.195%
Surface Water	> 5 µg/L	4,258	1	1	1	0.023%	0.023%	0.023%
	≥ 2.5 µg/L	4,258	1	1	1	0.023%	0.023%	0.023%
	≥ 1 µg/L	4,258	3	3	3	0.070%	0.070%	0.070%
	> 0.5 µg/L	4,258	37	9	5	0.869%	0.211%	0.117%
Combined Ground & Surface Water	> 5 µg/L	50,435	10	10	10	0.020%	0.020%	0.020%
	≥ 2.5 µg/L	50,435	16	14	14	0.032%	0.028%	0.028%
	≥ 1 µg/L	50,435	70	58	52	0.139%	0.115%	0.103%
	> 0.5 µg/L	50,435	301	123	95	0.597%	0.244%	0.188%

Table B1. Benzene - Summary of the Stage 2 Analyses

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	86,395,538	14,152	14,152	14,152	0.016%	0.016%	0.016%
	≥ 2.5 µg/L	86,395,538	110,807	109,663	109,663	0.128%	0.127%	0.127%
	≥ 1 µg/L	86,395,538	169,570	148,699	147,729	0.196%	0.172%	0.171%
	> 0.5 µg/L	86,395,538	1,364,591	398,783	282,886	1.579%	0.462%	0.327%
Surface Water	> 5 µg/L	140,551,755	50	50	50	0.00004%	0.00004%	0.00004%
	≥ 2.5 µg/L	140,551,755	50	50	50	0.00004%	0.00004%	0.00004%
	≥ 1 µg/L	140,551,755	10,625	10,625	10,625	0.008%	0.008%	0.008%
	> 0.5 µg/L	140,551,755	7,318,292	86,052	21,533	5.207%	0.061%	0.015%
Combined Ground & Surface Water	> 5 µg/L	226,947,293	14,202	14,202	14,202	0.006%	0.006%	0.006%
	≥ 2.5 µg/L	226,947,293	110,857	109,713	109,713	0.049%	0.048%	0.048%
	≥ 1 µg/L	226,947,293	180,195	159,324	158,354	0.079%	0.070%	0.070%
	> 0.5 µg/L	226,947,293	8,682,883	484,835	304,419	3.826%	0.214%	0.134%

Table B2. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 40 µg/L	28,289	0	0	0	0.000%	0.000%	0.000%
	≥ 20 µg/L	28,289	0	0	0	0.000%	0.000%	0.000%
	≥ 7 µg/L	28,289	0	0	0	0.000%	0.000%	0.000%
	> 0.9 µg/L	28,289	30	1	0	0.106%	0.004%	0.000%
Surface Water	> 40 µg/L	2,808	0	0	0	0.000%	0.000%	0.000%
	≥ 20 µg/L	2,808	0	0	0	0.000%	0.000%	0.000%
	≥ 7 µg/L	2,808	1	1	1	0.036%	0.036%	0.036%
	> 0.9 µg/L	2,808	25	1	1	0.890%	0.036%	0.036%
Combined Ground & Surface Water	> 40 µg/L	31,097	0	0	0	0.000%	0.000%	0.000%
	≥ 20 µg/L	31,097	0	0	0	0.000%	0.000%	0.000%
	≥ 7 µg/L	31,097	1	1	1	0.003%	0.003%	0.003%
	> 0.9 µg/L	31,097	55	2	1	0.177%	0.006%	0.003%

Table B2. Carbofuran – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 40 µg/L	61,793,025	0	0	0	0.000%	0.000%	0.000%
	≥ 20 µg/L	61,793,025	0	0	0	0.000%	0.000%	0.000%
	≥ 7 µg/L	61,793,025	0	0	0	0.000%	0.000%	0.000%
	> 0.9 µg/L	61,793,025	1,138,494	220	0	1.842%	0.0004%	0.000%
Surface Water	> 40 µg/L	106,180,317	0	0	0	0.000%	0.000%	0.000%
	≥ 20 µg/L	106,180,317	0	0	0	0.000%	0.000%	0.000%
	≥ 7 µg/L	106,180,317	3,186	3,186	3,186	0.003%	0.003%	0.003%
	> 0.9 µg/L	106,180,317	7,701,631	3,186	3,186	7.253%	0.003%	0.003%
Combined Ground & Surface Water	> 40 µg/L	167,973,342	0	0	0	0.000%	0.000%	0.000%
	≥ 20 µg/L	167,973,342	0	0	0	0.000%	0.000%	0.000%
	≥ 7 µg/L	167,973,342	3,186	3,186	3,186	0.002%	0.002%	0.002%
	> 0.9 µg/L	167,973,342	8,840,125	3,406	3,186	5.263%	0.002%	0.002%

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	46,190	5	5	5	0.011%	0.011%	0.011%
	≥ 2.5 µg/L	46,190	13	12	12	0.028%	0.026%	0.026%
	≥ 1 µg/L	46,190	54	46	36	0.117%	0.100%	0.078%
	> 0.5 µg/L	46,190	293	101	76	0.634%	0.219%	0.165%
Surface Water	> 5 µg/L	4,256	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	4,256	0	0	0	0.000%	0.000%	0.000%
	≥ 1 µg/L	4,256	5	4	4	0.117%	0.094%	0.094%
	> 0.5 µg/L	4,256	133	17	8	3.125%	0.399%	0.188%
Combined Ground & Surface Water	> 5 µg/L	50,446	5	5	5	0.010%	0.010%	0.010%
	≥ 2.5 µg/L	50,446	13	12	12	0.026%	0.024%	0.024%
	≥ 1 µg/L	50,446	59	50	40	0.117%	0.099%	0.079%
	> 0.5 µg/L	50,446	426	118	84	0.844%	0.234%	0.167%



Table B3. Carbon tetrachloride								
Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	86,397,574	1,746	1,746	1,746	0.002%	0.002%	0.002%
	≥ 2.5 µg/L	86,397,574	5,808	5,508	5,508	0.007%	0.006%	0.006%
	≥ 1 µg/L	86,397,574	60,156	58,138	35,883	0.070%	0.067%	0.042%
	> 0.5 µg/L	86,397,574	1,638,978	159,018	131,766	1.897%	0.184%	0.153%
Surface Water	> 5 µg/L	140,537,213	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	140,537,213	0	0	0	0.000%	0.000%	0.000%
	≥ 1 µg/L	140,537,213	204,708	153,958	153,958	0.146%	0.110%	0.110%
	> 0.5 µg/L	140,537,213	9,450,131	590,725	236,026	6.724%	0.420%	0.168%
Combined Ground & Surface Water	> 5 µg/L	226,934,787	1,746	1,746	1,746	0.001%	0.001%	0.001%
	≥ 2.5 µg/L	226,934,787	5,808	5,508	5,508	0.003%	0.002%	0.002%
	≥ 1 µg/L	226,934,787	264,864	212,096	189,841	0.117%	0.093%	0.084%
	> 0.5 µg/L	226,934,787	11,089,109	749,743	367,792	4.886%	0.330%	0.162%

Table B4. Chlordane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 2 µg/L	28,808	1	1	1	0.003%	0.003%	0.003%
	≥ 1 µg/L	28,808	2	2	1	0.007%	0.007%	0.003%
Surface Water	> 2 µg/L	3,033	0	0	0	0.000%	0.000%	0.000%
	≥ 1 µg/L	3,033	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 2 µg/L	31,841	1	1	1	0.003%	0.003%	0.003%
	≥ 1 µg/L	31,841	2	2	1	0.006%	0.006%	0.003%

Table B4. Chlordane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 2 µg/L	66,936,780	80	80	80	0.0001%	0.0001%	0.0001%
	≥ 1 µg/L	66,936,780	116	116	80	0.0002%	0.0002%	0.0001%
Surface Water	> 2 µg/L	115,100,195	0	0	0	0.000%	0.000%	0.000%
	≥ 1 µg/L	115,100,195	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 2 µg/L	182,036,975	80	80	80	0.00004%	0.00004%	0.00004%
	≥ 1 µg/L	182,036,975	116	116	80	0.0001%	0.0001%	0.0000%

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 0.2 µg/L	34,602	38	38	38	0.110%	0.110%	0.110%
	≥ 0.1 µg/L	34,602	85	82	81	0.246%	0.237%	0.234%
Surface Water	> 0.2 µg/L	3,016	4	4	4	0.133%	0.133%	0.133%
	≥ 0.1 µg/L	3,016	12	11	11	0.398%	0.365%	0.365%
Combined Ground & Surface Water	> 0.2 µg/L	37,618	42	42	42	0.112%	0.112%	0.112%
	≥ 0.1 µg/L	37,618	97	93	92	0.258%	0.247%	0.245%

Table B5. 1,2-Dibromo-3-chloropropane								
Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 0.2 µg/L	73,552,992	15,947	15,947	15,947	0.022%	0.022%	0.022%
	≥ 0.1 µg/L	73,552,992	391,923	385,285	195,179	0.533%	0.524%	0.265%
Surface Water	> 0.2 µg/L	120,196,347	9,246	9,246	9,246	0.008%	0.008%	0.008%
	≥ 0.1 µg/L	120,196,347	990,387	986,013	986,013	0.824%	0.820%	0.820%
Combined Ground & Surface Water	> 0.2 µg/L	193,749,339	25,193	25,193	25,193	0.013%	0.013%	0.013%
	≥ 0.1 µg/L	193,749,339	1,382,310	1,371,298	1,181,192	0.713%	0.708%	0.610%

Table B6. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	46,185	3	3	3	0.006%	0.006%	0.006%
	≥ 2.5 µg/L	46,185	9	9	8	0.019%	0.019%	0.017%
	≥ 1 µg/L	46,185	43	35	29	0.093%	0.076%	0.063%
	> 0.5 µg/L	46,185	190	77	60	0.411%	0.167%	0.130%
Surface Water	> 5 µg/L	4,257	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	4,257	0	0	0	0.000%	0.000%	0.000%
	≥ 1 µg/L	4,257	3	2	1	0.070%	0.047%	0.023%
	> 0.5 µg/L	4,257	38	5	3	0.893%	0.117%	0.070%
Combined Ground & Surface Water	> 5 µg/L	50,442	3	3	3	0.006%	0.006%	0.006%
	≥ 2.5 µg/L	50,442	9	9	8	0.018%	0.018%	0.016%
	≥ 1 µg/L	50,442	46	37	30	0.091%	0.073%	0.059%
	> 0.5 µg/L	50,442	228	82	63	0.452%	0.163%	0.125%

Table B6. 1,2-Dichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	86,392,793	151	151	151	0.0002%	0.0002%	0.0002%
	≥ 2.5 µg/L	86,392,793	873	873	833	0.001%	0.001%	0.001%
	≥ 1 µg/L	86,392,793	99,274	90,942	82,396	0.115%	0.105%	0.095%
	> 0.5 µg/L	86,392,793	963,134	135,637	119,232	1.115%	0.157%	0.138%
Surface Water	> 5 µg/L	140,541,198	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	140,541,198	0	0	0	0.000%	0.000%	0.000%
	≥ 1 µg/L	140,541,198	90,390	54,260	4,750	0.064%	0.039%	0.003%
	> 0.5 µg/L	140,541,198	7,359,474	141,310	90,390	5.237%	0.101%	0.064%
Combined Ground & Surface Water	> 5 µg/L	226,933,991	151	151	151	0.0001%	0.0001%	0.0001%
	≥ 2.5 µg/L	226,933,991	873	873	833	0.0004%	0.0004%	0.0004%
	≥ 1 µg/L	226,933,991	189,664	145,202	87,146	0.084%	0.064%	0.038%
	> 0.5 µg/L	226,933,991	8,322,608	276,947	209,622	3.667%	0.122%	0.092%

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	45,918	16	15	12	0.035%	0.033%	0.026%
	≥ 2.5 µg/L	45,918	48	46	42	0.105%	0.100%	0.091%
	≥ 1 µg/L	45,918	240	181	151	0.523%	0.394%	0.329%
	> 0.5 µg/L	45,918	1,251	494	329	2.724%	1.076%	0.716%
Surface Water	> 5 µg/L	4,251	1	1	1	0.024%	0.024%	0.024%
	≥ 2.5 µg/L	4,251	5	5	4	0.118%	0.118%	0.094%
	≥ 1 µg/L	4,251	36	27	18	0.847%	0.635%	0.423%
	> 0.5 µg/L	4,251	306	85	54	7.198%	2.000%	1.270%
Combined Ground & Surface Water	> 5 µg/L	50,169	17	16	13	0.034%	0.032%	0.026%
	≥ 2.5 µg/L	50,169	53	51	46	0.106%	0.102%	0.092%
	≥ 1 µg/L	50,169	276	208	169	0.550%	0.415%	0.337%
	> 0.5 µg/L	50,169	1,557	579	383	3.104%	1.154%	0.763%



Table B7. Dichloromethane								
Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	86,307,048	10,219	10,119	9,148	0.012%	0.012%	0.011%
	≥ 2.5 µg/L	86,307,048	36,518	33,009	31,607	0.042%	0.038%	0.037%
	≥ 1 µg/L	86,307,048	1,273,387	1,152,919	791,105	1.475%	1.336%	0.917%
	> 0.5 µg/L	86,307,048	6,645,442	1,910,810	1,385,316	7.700%	2.214%	1.605%
Surface Water	> 5 µg/L	140,537,012	1,800	1,800	1,800	0.001%	0.001%	0.001%
	≥ 2.5 µg/L	140,537,012	7,435	7,435	7,350	0.005%	0.005%	0.005%
	≥ 1 µg/L	140,537,012	243,772	232,890	154,950	0.173%	0.166%	0.110%
	> 0.5 µg/L	140,537,012	25,125,784	1,586,371	458,789	17.878%	1.129%	0.326%
Combined Ground & Surface Water	> 5 µg/L	226,844,060	12,019	11,919	10,948	0.005%	0.005%	0.005%
	≥ 2.5 µg/L	226,844,060	43,953	40,444	38,957	0.019%	0.018%	0.017%
	≥ 1 µg/L	226,844,060	1,517,159	1,385,809	946,055	0.669%	0.611%	0.417%
	> 0.5 µg/L	226,844,060	31,771,226	3,497,181	1,844,105	14.006%	1.542%	0.813%

Table B8. 2,4-Dichlorophenoxyacetic Acid (2,4-D) – Summary of the Stage 1 (Peak) Analyses (Single detections > threshold of interest are not necessarily MCL violations)								
Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 70 µg/L	30,172	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	30,172	0	0	0	0.000%	0.000%	0.000%
	≥ 35 µg/L	30,172	0	0	0	0.000%	0.000%	0.000%
Surface Water	> 70 µg/L	3,015	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	3,015	0	0	0	0.000%	0.000%	0.000%
	≥ 35 µg/L	3,015	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 70 µg/L	33,187	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	33,187	0	0	0	0.000%	0.000%	0.000%
	≥ 35 µg/L	33,187	0	0	0	0.000%	0.000%	0.000%

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 70 µg/L	67,200,878	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	67,200,878	0	0	0	0.000%	0.000%	0.000%
	≥ 35 µg/L	67,200,878	0	0	0	0.000%	0.000%	0.000%
Surface Water	> 70 µg/L	120,250,305	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	120,250,305	0	0	0	0.000%	0.000%	0.000%
	≥ 35 µg/L	120,250,305	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 70 µg/L	187,451,183	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	187,451,183	0	0	0	0.0000%	0.0000%	0.0000%
	≥ 35 µg/L	187,451,183	0	0	0	0.000%	0.000%	0.000%

Table B9. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	46,180	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	46,180	2	2	2	0.004%	0.004%	0.004%
	≥ 1 µg/L	46,180	26	23	20	0.056%	0.050%	0.043%
	> 0.5 µg/L	46,180	138	59	46	0.299%	0.128%	0.100%
Surface Water	> 5 µg/L	4,257	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	4,257	0	0	0	0.000%	0.000%	0.000%
	≥ 1 µg/L	4,257	1	1	1	0.023%	0.023%	0.023%
	> 0.5 µg/L	4,257	14	2	1	0.329%	0.047%	0.023%
Combined Ground & Surface Water	> 5 µg/L	50,437	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	50,437	2	2	2	0.004%	0.004%	0.004%
	≥ 1 µg/L	50,437	27	24	21	0.054%	0.048%	0.042%
	> 0.5 µg/L	50,437	152	61	47	0.301%	0.121%	0.093%

Table B9. 1,2-Dichloropropane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	86,395,709	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	86,395,709	120	120	120	0.0001%	0.0001%	0.0001%
	≥ 1 µg/L	86,395,709	20,445	20,057	18,656	0.024%	0.023%	0.022%
	> 0.5 µg/L	86,395,709	647,056	86,764	30,337	0.749%	0.100%	0.035%
Surface Water	> 5 µg/L	140,516,425	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	140,516,425	0	0	0	0.000%	0.000%	0.000%
	≥ 1 µg/L	140,516,425	265,696	265,696	265,696	0.189%	0.189%	0.189%
	> 0.5 µg/L	140,516,425	7,377,671	407,696	265,696	5.250%	0.290%	0.189%
Combined Ground & Surface Water	> 5 µg/L	226,912,134	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	226,912,134	120	120	120	0.0001%	0.0001%	0.0001%
	≥ 1 µg/L	226,912,134	286,141	285,753	284,352	0.126%	0.126%	0.125%
	> 0.5 µg/L	226,912,134	8,024,727	494,460	296,033	3.536%	0.218%	0.130%

Table B10. Endothall – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 100 µg/L	12,632	0	0	0	0.000%	0.000%	0.000%
	≥ 50 µg/L	12,632	0	0	0	0.000%	0.000%	0.000%
Surface Water	> 100 µg/L	1,524	0	0	0	0.000%	0.000%	0.000%
	≥ 50 µg/L	1,524	1	1	1	0.066%	0.066%	0.066%
Combined Ground & Surface Water	> 100 µg/L	14,156	0	0	0	0.000%	0.000%	0.000%
	≥ 50 µg/L	14,156	1	1	1	0.007%	0.007%	0.007%

Table B10. Endothall – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 100 µg/L	44,124,258	0	0	0	0.000%	0.000%	0.000%
	≥ 50 µg/L	44,124,258	0	0	0	0.000%	0.000%	0.000%
Surface Water	> 100 µg/L	74,412,543	0	0	0	0.000%	0.000%	0.000%
	≥ 50 µg/L	74,412,543	10,000	10,000	10,000	0.013%	0.013%	0.013%
Combined Ground & Surface Water	> 100 µg/L	118,536,801	0	0	0	0.000%	0.000%	0.000%
	≥ 50 µg/L	118,536,801	10,000	10,000	10,000	0.008%	0.008%	0.008%

Table B11. Heptachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 0.4 µg/L	29,965	1	1	1	0.003%	0.003%	0.003%
	≥ 0.2 µg/L	29,965	1	1	1	0.003%	0.003%	0.003%
	≥ 0.1 µg/L	29,965	41	41	41	0.137%	0.137%	0.137%
Surface Water	> 0.4 µg/L	3,055	0	0	0	0.000%	0.000%	0.000%
	≥ 0.2 µg/L	3,055	0	0	0	0.000%	0.000%	0.000%
	≥ 0.1 µg/L	3,055	1	1	1	0.033%	0.033%	0.033%
Combined Ground & Surface Water	> 0.4 µg/L	33,020	1	1	1	0.003%	0.003%	0.003%
	≥ 0.2 µg/L	33,020	1	1	1	0.003%	0.003%	0.003%
	≥ 0.1 µg/L	33,020	42	42	42	0.127%	0.127%	0.127%



Table B11. Heptachlor – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 0.4 µg/L	67,922,151	325	325	325	0.0005%	0.0005%	0.0005%
	≥ 0.2 µg/L	67,922,151	325	325	325	0.0005%	0.0005%	0.0005%
	≥ 0.1 µg/L	67,922,151	23,112	23,112	23,112	0.034%	0.034%	0.034%
Surface Water	> 0.4 µg/L	116,521,633	0	0	0	0.000%	0.000%	0.000%
	≥ 0.2 µg/L	116,521,633	0	0	0	0.000%	0.000%	0.000%
	≥ 0.1 µg/L	116,521,633	8,380	8,380	8,380	0.007%	0.007%	0.007%
Combined Ground & Surface Water	> 0.4 µg/L	184,443,784	325	325	325	0.0002%	0.0002%	0.0002%
	≥ 0.2 µg/L	184,443,784	325	325	325	0.0002%	0.0002%	0.0002%
	≥ 0.1 µg/L	184,443,784	31,492	31,492	31,492	0.017%	0.017%	0.017%

Table B12. Heptachlor Epoxide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 0.2 µg/L	29,961	1	1	1	0.003%	0.003%	0.003%
	≥ 0.1 µg/L	29,961	3	3	3	0.010%	0.010%	0.010%
Surface Water	> 0.2 µg/L	3,054	0	0	0	0.000%	0.000%	0.000%
	≥ 0.1 µg/L	3,054	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 0.2 µg/L	33,015	1	1	1	0.003%	0.003%	0.003%
	≥ 0.1 µg/L	33,015	3	3	3	0.009%	0.009%	0.009%

Table B12. Heptachlor Epoxide – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 0.2 µg/L	67,983,066	325	325	325	0.0005%	0.0005%	0.0005%
	≥ 0.1 µg/L	67,983,066	14,419	14,419	14,419	0.021%	0.021%	0.021%
Surface Water	> 0.2 µg/L	116,494,709	0	0	0	0.000%	0.000%	0.000%
	≥ 0.1 µg/L	116,494,709	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 0.2 µg/L	184,477,775	325	325	325	0.0002%	0.0002%	0.0002%
	≥ 0.1 µg/L	184,477,775	14,419	14,419	14,419	0.008%	0.008%	0.008%

Table B13. Hexachlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 1 µg/L	29,793	3	3	3	0.010%	0.010%	0.010%
	≥ 0.5 µg/L	29,793	3	3	3	0.010%	0.010%	0.010%
	> 0.1 µg/L	29,793	20	8	8	0.067%	0.027%	0.027%
Surface Water	> 1 µg/L	3,033	0	0	0	0.000%	0.000%	0.000%
	≥ 0.5 µg/L	3,033	1	1	1	0.033%	0.033%	0.033%
	> 0.1 µg/L	3,033	39	8	1	1.286%	0.264%	0.033%
Combined Ground & Surface Water	> 1 µg/L	32,826	3	3	3	0.009%	0.009%	0.009%
	≥ 0.5 µg/L	32,826	4	4	4	0.012%	0.012%	0.012%
	> 0.1 µg/L	32,826	59	16	9	0.180%	0.049%	0.027%

Table B13. Hexachlorobenzene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 1 µg/L	67,957,193	2,273	2,273	2,273	0.003%	0.003%	0.003%
	≥ 0.5 µg/L	67,957,193	2,273	2,273	2,273	0.003%	0.003%	0.003%
	> 0.1 µg/L	67,957,193	639,313	6,741	6,741	0.941%	0.010%	0.010%
Surface Water	> 1 µg/L	116,167,630	0	0	0	0.000%	0.000%	0.000%
	≥ 0.5 µg/L	116,167,630	2,671	2,671	2,671	0.002%	0.002%	0.002%
	> 0.1 µg/L	116,167,630	2,485,099	87,448	2,671	2.139%	0.075%	0.002%
Combined Ground & Surface Water	> 1 µg/L	184,124,823	2,273	2,273	2,273	0.001%	0.001%	0.001%
	≥ 0.5 µg/L	184,124,823	4,944	4,944	4,944	0.003%	0.003%	0.003%
	> 0.1 µg/L	184,124,823	3,124,412	94,189	9,412	1.697%	0.051%	0.005%

Table B14. Hexachlorocyclopentadiene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 50 µg/L	29,767	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	29,767	0	0	0	0.000%	0.000%	0.000%
	≥ 25 µg/L	29,767	0	0	0	0.000%	0.000%	0.000%
Surface Water	> 50 µg/L	3,034	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	3,034	0	0	0	0.000%	0.000%	0.000%
	≥ 25 µg/L	3,034	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 50 µg/L	32,801	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	32,801	0	0	0	0.000%	0.000%	0.000%
	≥ 25 µg/L	32,801	0	0	0	0.000%	0.000%	0.000%

Table B14. Hexachlorocyclopentadiene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 50 µg/L	67,981,852	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	67,981,852	0	0	0	0.000%	0.000%	0.000%
	≥ 25 µg/L	67,981,852	0	0	0	0.000%	0.000%	0.000%
Surface Water	> 50 µg/L	116,756,578	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	116,756,578	0	0	0	0.000%	0.000%	0.000%
	≥ 25 µg/L	116,756,578	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 50 µg/L	184,738,430	0	0	0	0.000%	0.000%	0.000%
	≥ 40 µg/L	184,738,430	0	0	0	0.000%	0.000%	0.000%
	≥ 25 µg/L	184,738,430	0	0	0	0.000%	0.000%	0.000%

Table B15. Oxamyl (Vydate) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 200 µg/L	28,100	0	0	0	0.000%	0.000%	0.000%
	≥ 100 µg/L	28,100	0	0	0	0.000%	0.000%	0.000%
	> 2 µg/L	28,100	14	11	6	0.050%	0.039%	0.021%
Surface Water	> 200 µg/L	2,776	0	0	0	0.000%	0.000%	0.000%
	≥ 100 µg/L	2,776	0	0	0	0.000%	0.000%	0.000%
	> 2 µg/L	2,776	3	2	2	0.108%	0.072%	0.072%
Combined Ground & Surface Water	> 200 µg/L	30,876	0	0	0	0.000%	0.000%	0.000%
	≥ 100 µg/L	30,876	0	0	0	0.000%	0.000%	0.000%
	> 2 µg/L	30,876	17	13	8	0.055%	0.042%	0.026%



Table B15. Oxamyl (Vydate) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 200 µg/L	61,701,854	0	0	0	0.000%	0.000%	0.000%
	≥ 100 µg/L	61,701,854	0	0	0	0.000%	0.000%	0.000%
	> 2 µg/L	61,701,854	38,142	37,979	3,669	0.062%	0.062%	0.006%
Surface Water	> 200 µg/L	105,676,577	0	0	0	0.000%	0.000%	0.000%
	≥ 100 µg/L	105,676,577	0	0	0	0.000%	0.000%	0.000%
	> 2 µg/L	105,676,577	257,848	3,386	3,386	0.244%	0.003%	0.003%
Combined Ground & Surface Water	> 200 µg/L	167,378,431	0	0	0	0.000%	0.000%	0.000%
	≥ 100 µg/L	167,378,431	0	0	0	0.000%	0.000%	0.000%
	> 2 µg/L	167,378,431	295,990	41,365	7,055	0.177%	0.025%	0.004%

Table B16. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	46,180	20	20	20	0.043%	0.043%	0.043%
	≥ 2.5 µg/L	46,180	61	58	55	0.132%	0.126%	0.119%
	≥ 1 µg/L	46,180	244	214	190	0.528%	0.463%	0.411%
	> 0.5 µg/L	46,180	860	446	356	1.862%	0.966%	0.771%
Surface Water	> 5 µg/L	4,256	5	3	3	0.117%	0.070%	0.070%
	≥ 2.5 µg/L	4,256	14	13	13	0.329%	0.305%	0.305%
	≥ 1 µg/L	4,256	42	37	30	0.987%	0.869%	0.705%
	> 0.5 µg/L	4,256	145	73	56	3.407%	1.715%	1.316%
Combined Ground & Surface Water	> 5 µg/L	50,436	25	23	23	0.050%	0.046%	0.046%
	≥ 2.5 µg/L	50,436	75	71	68	0.149%	0.141%	0.135%
	≥ 1 µg/L	50,436	286	251	220	0.567%	0.498%	0.436%
	> 0.5 µg/L	50,436	1,005	519	412	1.993%	1.029%	0.817%

Table B16. Tetrachloroethylene (PCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	86,396,173	81,488	81,488	81,488	0.094%	0.094%	0.094%
	≥ 2.5 µg/L	86,396,173	461,738	455,716	411,244	0.534%	0.527%	0.476%
	≥ 1 µg/L	86,396,173	2,498,326	2,122,956	1,933,039	2.892%	2.457%	2.237%
	> 0.5 µg/L	86,396,173	11,851,080	4,827,257	3,399,163	13.717%	5.587%	3.934%
Surface Water	> 5 µg/L	140,612,382	992,445	546,718	546,718	0.706%	0.389%	0.389%
	≥ 2.5 µg/L	140,612,382	1,244,255	1,236,118	1,236,118	0.885%	0.879%	0.879%
	≥ 1 µg/L	140,612,382	8,207,545	8,053,939	7,691,532	5.837%	5.728%	5.470%
	> 0.5 µg/L	140,612,382	16,303,826	9,744,394	9,009,278	11.595%	6.930%	6.407%
Combined Ground & Surface Water	> 5 µg/L	227,008,555	1,073,933	628,206	628,206	0.473%	0.277%	0.277%
	≥ 2.5 µg/L	227,008,555	1,705,993	1,691,834	1,647,362	0.752%	0.745%	0.726%
	≥ 1 µg/L	227,008,555	10,705,871	10,176,895	9,624,571	4.716%	4.483%	4.240%
	> 0.5 µg/L	227,008,555	28,154,906	14,571,651	12,408,441	12.403%	6.419%	5.466%

Table B17. Toluene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 1,000 µg/L	46,193	1	1	1	0.002%	0.002%	0.002%
	≥ 600 µg/L	46,193	2	2	2	0.004%	0.004%	0.004%
	≥ 500 µg/L	46,193	2	2	2	0.004%	0.004%	0.004%
Surface Water	> 1,000 µg/L	4,258	0	0	0	0.000%	0.000%	0.000%
	≥ 600 µg/L	4,258	0	0	0	0.000%	0.000%	0.000%
	≥ 500 µg/L	4,258	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 1,000 µg/L	50,451	1	1	1	0.002%	0.002%	0.002%
	≥ 600 µg/L	50,451	2	2	2	0.004%	0.004%	0.004%
	≥ 500 µg/L	50,451	2	2	2	0.004%	0.004%	0.004%

Table B17. Toluene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 1,000 µg/L	86,403,546	500	500	500	0.001%	0.001%	0.001%
	≥ 600 µg/L	86,403,546	840	840	840	0.001%	0.001%	0.001%
	≥ 500 µg/L	86,403,546	840	840	840	0.001%	0.001%	0.001%
Surface Water	> 1,000 µg/L	140,551,755	0	0	0	0.000%	0.000%	0.000%
	≥ 600 µg/L	140,551,755	0	0	0	0.000%	0.000%	0.000%
	≥ 500 µg/L	140,551,755	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 1,000 µg/L	226,955,301	500	500	500	0.0002%	0.0002%	0.0002%
	≥ 600 µg/L	226,955,301	840	840	840	0.0004%	0.0004%	0.0004%
	≥ 500 µg/L	226,955,301	840	840	840	0.0004%	0.0004%	0.0004%

Table B18. Toxaphene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 3 µg/L	27,718	4	3	3	0.014%	0.011%	0.011%
	≥ 1.5 µg/L	27,718	5	5	5	0.018%	0.018%	0.018%
	> 1 µg/L	27,718	7	5	5	0.025%	0.018%	0.018%
Surface Water	> 3 µg/L	2,669	0	0	0	0.000%	0.000%	0.000%
	≥ 1.5 µg/L	2,669	0	0	0	0.000%	0.000%	0.000%
	> 1 µg/L	2,669	2	0	0	0.075%	0.000%	0.000%
Combined Ground & Surface Water	> 3 µg/L	30,387	4	3	3	0.013%	0.010%	0.010%
	≥ 1.5 µg/L	30,387	5	5	5	0.016%	0.016%	0.016%
	> 1 µg/L	30,387	9	5	5	0.030%	0.016%	0.016%

Table B18. Toxaphene – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 3 µg/L	60,886,049	22,989	22,691	22,691	0.038%	0.037%	0.037%
	≥ 1.5 µg/L	60,886,049	23,429	23,429	23,429	0.038%	0.038%	0.038%
	> 1 µg/L	60,886,049	27,713	23,429	23,429	0.046%	0.038%	0.038%
Surface Water	> 3 µg/L	99,126,085	0	0	0	0.000%	0.000%	0.000%
	≥ 1.5 µg/L	99,126,085	0	0	0	0.000%	0.000%	0.000%
	> 1 µg/L	99,126,085	257,737	0	0	0.260%	0.000%	0.000%
Combined Ground & Surface Water	> 3 µg/L	160,012,134	22,989	22,691	22,691	0.014%	0.014%	0.014%
	≥ 1.5 µg/L	160,012,134	23,429	23,429	23,429	0.015%	0.015%	0.015%
	> 1 µg/L	160,012,134	285,450	23,429	23,429	0.178%	0.015%	0.015%

Table B19. 1,1,2-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	45,942	0	0	0	0.000%	0.000%	0.000%
	≥ 3 µg/L	45,942	1	1	1	0.002%	0.002%	0.002%
	≥ 2.5 µg/L	45,942	1	1	1	0.002%	0.002%	0.002%
Surface Water	> 5 µg/L	4,253	0	0	0	0.000%	0.000%	0.000%
	≥ 3 µg/L	4,253	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	4,253	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 5 µg/L	50,195	0	0	0	0.000%	0.000%	0.000%
	≥ 3 µg/L	50,195	1	1	1	0.002%	0.002%	0.002%
	≥ 2.5 µg/L	50,195	1	1	1	0.002%	0.002%	0.002%



Table B19. 1,1,2-Trichloroethane – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	86,314,890	0	0	0	0.000%	0.000%	0.000%
	≥ 3 µg/L	86,314,890	700	700	700	0.001%	0.001%	0.001%
	≥ 2.5 µg/L	86,314,890	700	700	700	0.001%	0.001%	0.001%
Surface Water	> 5 µg/L	140,536,579	0	0	0	0.000%	0.000%	0.000%
	≥ 3 µg/L	140,536,579	0	0	0	0.000%	0.000%	0.000%
	≥ 2.5 µg/L	140,536,579	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 5 µg/L	226,851,469	0	0	0	0.000%	0.000%	0.000%
	≥ 3 µg/L	226,851,469	700	700	700	0.0003%	0.0003%	0.0003%
	≥ 2.5 µg/L	226,851,469	700	700	700	0.0003%	0.0003%	0.0003%

Table B20. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	46,177	18	18	18	0.039%	0.039%	0.039%
	≥ 2.5 µg/L	46,177	60	58	54	0.130%	0.126%	0.117%
	≥ 1 µg/L	46,177	209	181	160	0.453%	0.392%	0.346%
	> 0.5 µg/L	46,177	624	334	267	1.351%	0.723%	0.578%
Surface Water	> 5 µg/L	4,255	7	7	7	0.165%	0.165%	0.165%
	≥ 2.5 µg/L	4,255	10	10	10	0.235%	0.235%	0.235%
	≥ 1 µg/L	4,255	31	27	22	0.729%	0.635%	0.517%
	> 0.5 µg/L	4,255	115	54	43	2.703%	1.269%	1.011%
Combined Ground & Surface Water	> 5 µg/L	50,432	25	25	25	0.050%	0.050%	0.050%
	≥ 2.5 µg/L	50,432	70	68	64	0.139%	0.135%	0.127%
	≥ 1 µg/L	50,432	240	208	182	0.476%	0.412%	0.361%
	> 0.5 µg/L	50,432	739	388	310	1.465%	0.769%	0.615%

Table B20. Trichloroethylene (TCE) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 5 µg/L	86,393,209	50,410	50,410	50,410	0.058%	0.058%	0.058%
	≥ 2.5 µg/L	86,393,209	307,930	234,229	140,973	0.356%	0.271%	0.163%
	≥ 1 µg/L	86,393,209	1,911,987	1,686,897	1,347,211	2.213%	1.953%	1.559%
	> 0.5 µg/L	86,393,209	8,000,226	2,929,896	2,411,718	9.260%	3.391%	2.792%
Surface Water	> 5 µg/L	140,514,477	359,713	359,713	359,713	0.256%	0.256%	0.256%
	≥ 2.5 µg/L	140,514,477	4,456,573	4,456,573	4,456,573	3.172%	3.172%	3.172%
	≥ 1 µg/L	140,514,477	8,458,791	6,594,945	6,051,956	6.020%	4.693%	4.307%
	> 0.5 µg/L	140,514,477	16,251,310	9,936,227	9,472,157	11.566%	7.071%	6.741%
Combined Ground & Surface Water	> 5 µg/L	226,907,686	410,123	410,123	410,123	0.181%	0.181%	0.181%
	≥ 2.5 µg/L	226,907,686	4,764,503	4,690,802	4,597,546	2.100%	2.067%	2.026%
	≥ 1 µg/L	226,907,686	10,370,778	8,281,842	7,399,167	4.570%	3.650%	3.261%
	> 0.5 µg/L	226,907,686	24,251,536	12,866,123	11,883,875	10.688%	5.670%	5.237%

Table B21. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 2 µg/L	46,158	10	9	7	0.022%	0.019%	0.015%
	≥ 1 µg/L	46,158	20	17	14	0.043%	0.037%	0.030%
	> 0.5 µg/L	46,158	104	41	28	0.225%	0.089%	0.061%
Surface Water	> 2 µg/L	4,253	1	1	1	0.024%	0.024%	0.024%
	≥ 1 µg/L	4,253	1	1	1	0.024%	0.024%	0.024%
	> 0.5 µg/L	4,253	32	8	4	0.752%	0.188%	0.094%
Combined Ground & Surface Water	> 2 µg/L	50,411	11	10	8	0.022%	0.020%	0.016%
	≥ 1 µg/L	50,411	21	18	15	0.042%	0.036%	0.030%
	> 0.5 µg/L	50,411	136	49	32	0.270%	0.097%	0.063%

Table B21. Vinyl Chloride – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 2 µg/L	86,057,502	12,478	10,793	4,688	0.014%	0.013%	0.005%
	≥ 1 µg/L	86,057,502	54,796	21,736	16,526	0.064%	0.025%	0.019%
	> 0.5 µg/L	86,057,502	712,162	338,964	71,559	0.828%	0.394%	0.083%
Surface Water	> 2 µg/L	140,406,921	1,365	1,365	1,365	0.001%	0.001%	0.001%
	≥ 1 µg/L	140,406,921	1,365	1,365	1,365	0.001%	0.001%	0.001%
	> 0.5 µg/L	140,406,921	1,363,671	426,745	411,827	0.971%	0.304%	0.293%
Combined Ground & Surface Water	> 2 µg/L	226,464,423	13,843	12,158	6,053	0.006%	0.005%	0.003%
	≥ 1 µg/L	226,464,423	56,161	23,101	17,891	0.025%	0.010%	0.008%
	> 0.5 µg/L	226,464,423	2,075,833	765,709	483,386	0.917%	0.338%	0.213%

Table B22. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total # Systems	# Systems Exceeding Threshold			% Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 10,000 µg/L	43,726	0	0	0	0.000%	0.000%	0.000%
	≥ 5,000 µg/L	43,726	0	0	0	0.000%	0.000%	0.000%
	≥ 1,000 µg/L	43,726	0	0	0	0.000%	0.000%	0.000%
Surface Water	> 10,000 µg/L	3,972	0	0	0	0.000%	0.000%	0.000%
	≥ 5,000 µg/L	3,972	0	0	0	0.000%	0.000%	0.000%
	≥ 1,000 µg/L	3,972	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 10,000 µg/L	47,698	0	0	0	0.000%	0.000%	0.000%
	≥ 5,000 µg/L	47,698	0	0	0	0.000%	0.000%	0.000%
	≥ 1,000 µg/L	47,698	0	0	0	0.000%	0.000%	0.000%

Table B22. Xylenes (Total) – Summary of the Stage 1 (Peak) Analyses (Single detections &gt; threshold of interest are not necessarily MCL violations)

Source Water Type	Threshold	Total Pop Served by Systems	# Pop. Served by Systems Exceeding Threshold			% Pop. Served by Systems Exceeding Threshold		
			Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0	Arithmetic System Mean using MRL	Arithmetic System Mean using 1/2 MRL	Arithmetic System Mean using 0
Ground Water	> 10,000 µg/L	83,748,512	0	0	0	0.000%	0.000%	0.000%
	≥ 5,000 µg/L	83,748,512	0	0	0	0.000%	0.000%	0.000%
	≥ 1,000 µg/L	83,748,512	0	0	0	0.000%	0.000%	0.000%
Surface Water	> 10,000 µg/L	134,323,023	0	0	0	0.000%	0.000%	0.000%
	≥ 5,000 µg/L	134,323,023	0	0	0	0.000%	0.000%	0.000%
	≥ 1,000 µg/L	134,323,023	0	0	0	0.000%	0.000%	0.000%
Combined Ground & Surface Water	> 10,000 µg/L	218,071,535	0	0	0	0.000%	0.000%	0.000%
	≥ 5,000 µg/L	218,071,535	0	0	0	0.000%	0.000%	0.000%
	≥ 1,000 µg/L	218,071,535	0	0	0	0.000%	0.000%	0.000%