



Ohio Administrative Code

Rule 3745-81-27 Analytical techniques.

Effective: July 7, 2025

Analyte analyses conducted to determine compliance with Chapters 3745-81, 3745-82, and 3745-83 of the Administrative Code shall be performed by a laboratory certified by the director pursuant to Chapter 3745-89 of the Administrative Code unless otherwise specified and shall be made in accordance with methods listed in the 40 Code of Federal Regulations (C.F.R.) parts 141, including Appendix A (Alternative Testing Methods Approved for Analyses under the Safe Drinking Water Act) to Subpart C (Monitoring and Analytical Requirements) of part 141, and 143 for the analytes referenced in this rule.

(A) Methods which have been determined to be equivalent to an approved method, by "USEPA Alternative Test Procedure (ATP) program at the Office of Ground Water and Drinking Water's Technical Support Center (OGWDW/TSC)," may be used for compliance monitoring. Equivalent methods will be referenced in the C.F.R. part 141 Appendix A (Alternative Testing Methods Approved for Analyses under the Safe Drinking Water Act) to Subpart C (Monitoring and Analytical Requirements) The letter of equivalence issued by USEPA's ATP program at OGWDW/TSC must be maintained by the certified laboratory and be available for verification.

(B) Inorganic chemical analyses for analytes identified in rules 3745- 81-11, 3745-81-23, 3745-81-80 to 3745-81-86, 3745-81-88, and 3745-83-01 of the Administrative Code.

(C) Organic chemical analyses for analytes identified in rules 3745-81-12 and 3745-81-24 of the Administrative Code.

(D) Residual disinfection analyses for analytes identified in rules 3745-81-10, 3745-81-43, 3745-81-70 to 3745-81-74 and 3745-83-01 of the Administrative Code. Residual disinfectant concentrations for free chlorine, total chlorine, combined chlorine and chlorine dioxide shall be measured by persons acceptable to the director.

(E) Treatment techniques analyses and operational requirements (or plant control tests) analyses for



analytes identified in rules 3745-81-77 and 3745-83-01 of the Administrative Code, respectively. Turbidity shall be measured by a person designated on a valid certificate of approval as required under rule 3745-89-03 of the Administrative Code.

(F) Microbiological analyses for analytes identified in rules 3745-81-51, 3745-81-52, 3745-81-42, 3745-81-43, and 3745-81-50 to 3745-81-55 of the Administrative Code.

(G) Radioactivity analyses for analytes identified in rules 3745-81-15 and 3745-81-26 of the Administrative Code.

(H) Source water monitoring analyses for analytes identified in rules 3745-81-64 to 3745-81-69 of the Administrative Code. Analyses for analytes conducted to determine compliance with rules 3745-81-64 to 3745-81-69 of the Administrative Code shall be performed by a laboratory certified by the director pursuant to Chapter 3745-89 of the Administrative Code unless otherwise specified, and shall be made in accordance with methods listed in the 40 C.F.R. part 136 and 141 for the analytes referenced in these rules.

(I) Ground water assessment analyses for analytes identified in rule 3745-81-42 of the Administrative Code.

(J) Control of lead and copper analyses for analytes identified in rule 3745-81-89 of the Administrative Code.

(K) Harmful Algal Blooms analyses for analytes identified in rule 3745-90-04 of the Administrative Code.

(L) Well Development and Pumping Test analyses for analytes identified in rule 3745-9-09 of the Administrative Code.

(M) Water quality parameter analyses for analytes identified in rule 3745-81-87 of the Administrative Code shall be analyzed in accordance with methods referenced in this rule but are exempt from being analyzed at laboratories meeting requirements of rule 3745-89-02 of the Administrative Code.