



ADMINISTRATIVE RULES OF MONTANA

17.50.1612 ANALYTICAL METHODS

- (1) For purposes of this subchapter, the department adopts and incorporates by reference:
 - (a) Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, EPA publication SW-846, Third Edition, Final Updates I (1993), II (1995), IIA (1994), IIB (1995), III (1997), IIIA (1999), IIIB (2005), IV (2008), and V (2015), which may be obtained at <https://www.epa.gov/hw-sw846/sw-846-compendium> or by contacting the National Technical Information Service, 5301 Shawnee Road, Alexandria, VA 22312 or 1 (800) 553-687;
 - (b) Montana Risk-based Corrective Action Guidance for Petroleum Releases, (February 2024) as the analytical methodology landfarms must utilize and Table 1 of the Montana Risk-based Corrective Action Guidance for Petroleum Release as the standards for compliance with remediation requirements outlined in ARM 17.50.1617. A copy of the Montana Risk-based Corrective Action Guidance for Petroleum Releases, (February 2024) may be obtained at <https://deq.mt.gov/cleanupandrec/Programs/petrocleanup> or by contacting the Department of Environmental Quality at P.O. Box 200901, Helena, MT 59620-0901 or 1 (406) 444-5300.
- (2) For purposes of this subchapter, the following analytical methods, which are contained in the document referenced in (1) must be used:
 - (a) arsenic concentrations "Method 7061, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
 - (b) barium concentrations "Method 6010, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
 - (c) benzene, toluene, ethylbenzene, and xylene (BTEX), naphthalene, MTBE, and Lead Scavengers 1, 2 DCA and EDB concentrations "Method 8021 or 8260, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
 - (d) cadmium concentrations "Method 6010, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
 - (e) chromium concentrations "Method 6010, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
 - (f) extractable petroleum hydrocarbon (EPH) concentrations Montana modified "Method for Determination of Extractable Petroleum Hydrocarbons, Massachusetts Department of Environmental Protection";

- (g) lead concentrations "Method 7421, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
- (h) mercury concentrations "Method 7421, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
- (i) paint filter liquids test "Method 9095B, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
- (j) selenium concentrations "Method 7741, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
- (k) silver concentrations "Method 7761, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
- (l) total petroleum hydrocarbon (TPH) concentrations "Method 8015, Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW-846)";
- (m) volatile petroleum hydrocarbon (VPH) concentrations Montana modified "Method for Determination of Volatile Petroleum Hydrocarbons, Massachusetts Department of Environmental Protection"; and
- (n) any other analytical method approved by the department.

Authorizing statute(s): 75-10-204, MCA

Implementing statute(s): 75-10-204, MCA

History: NEW, 2017 MAR p. 666, Eff. 3/11/17; AMD, 2019 MAR p. 174, Eff. 2/9/19; AMD, 2024 MAR p. 1062, Eff. 5/11/24.