

**TABLE D
ANALYTICAL METHODOLOGY**

Matrix	Analyses ¹	Parameters ^{1, 2}	Method ³	Comments
Water	pH, conductivity, temperature		Field Tests	
Water	Metals	Arsenic, Barium,	EPA 6010 ⁴	Filtered or Unfiltered, as appropriate
	Metals	Calcium, Chromium, Lead, Magnesium, Nickel, Sodium, Zinc		
Water	Diesel Range Organics	C ₁₀ -C ₂₈ Organics	EPA 8100M	Silica Gel Cleanup Optional
Water	BTEX		EPA 8020	

1. Or other methods specified in 18 AAC 70. If the methodology in Table D is not appropriate for the site, the department will, in its discretion, require or approve an alternative methodology.

2. These parameters were selected as indicators of the presence of drilling wastes, with the exception of Ca and Mg, which are used to calculate hardness.

3. Sampling plans must be developed and followed, using the Quality Assurance/Quality Control criteria in, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, (SW-846), adopted by reference in 18 AAC 60.365, or state-approved QAPPs. Equivalent analytical methods must be approved by the department. In addition, all practical quantitation limits must be the lowest concentration levels that can be reliably achieved within the specified limits of precision and accuracy during routine laboratory operating conditions.

4. Extraction method per department approval.