Figure: 30 TAC §319.6

Table 1

REQUIRED QUALITY CONTROL ANALYSES

Parameter	Method Blank	Laboratory Control Samples	Duplicate Analyses	Matrix Spike
Bacteria	A		C	
Alkalinity		B	C	
Ammonia Nitrogen	A	B	C	C
Biochemical Oxygen Demand (BOD)	A	B	C	
BOD-carbonaceous	A	B	C	
Chemical Oxygen Demand	A	B	C	C
Chloride	A	B	C	C
Chlorine-Total or Free		E		
Cyanide-Total or Amenable to Chlorination	A	B	C	C
Fluoride	A	B	C	C
pH		D		
Kjeldahl Nitrogen	A	B	C	C
Metals (all)	A	B	C	C
Nitrate Nitrogen	A	B	C	C
Nitrite Nitrogen	A	B	C	C
Oil & Grease	A	E		
Orthophosphate	A	B	C	C
Oxygen (dissolved)		B	C	
Phenols	A	B	C	
Phosphorus-Total	A	B	C	C
Specific Conductance	A	B		
Sulfate	A	B	C	C
Sulfide	A	B	C	
Sulfite	A	B	C	
Total Organic Carbon	A	B	C	C
Total Suspended Solids	A		C	
Total Dissolved Solids	A	B	C	
Organics	A	B	F	F

Where:

A – At least one method blank shall be analyzed each day that samples are analyzed.

B – At least one laboratory control sample shall be analyzed each day that samples are analyzed.

C – Duplicate analyses and matrix spike analyses shall be performed on a 10% basis each day that samples are analyzed. If one to 10 samples are analyzed on a particular day, then one duplicate and one spike analysis shall be performed.

D – The pH meter shall be calibrated each day that samples are analyzed using a minimum of two buffer solutions which bracket the pH value(s) of the sample(s).

E – Standard analyses shall be performed on a 10% basis. If one to 10 samples are analyzed on a particular day, then one laboratory control sample shall be analyzed. Duplicate analyses may be performed in lieu of standard analyses.

F – Analyses shall be by gas chromatography (GC), gas chromotography/mass spectrometer (GC/MS), or other approved methods. Duplicate analyses and matrix spike analyses shall be performed on a 5% basis. If one to 20 samples are analyzed in a month, then one duplicate and one spike analysis per month shall be performed.