

TABLE A-19

Quality Control Acceptance Criteria for Method E160.1 — Total Dissolved Solids

RL - Water = 10 mg/L
Precision Water (RPD) = ±30

QC Check	Minimum Frequency	Acceptance Criteria	Corrective Action ^a	Flagging Criteria ^b
Method Blank	One per preparation and analytical batch	<RL	Correct problem then reprep and analyze method blank and all samples processed with the contaminated blank	Apply J to positive results and UJ to non-detects for all results for the specific analyte(s) in all samples in the associated analytical batch
Laboratory Control Sample (LCS)	One per preparation and analytical batch	80-120%	Correct problem then reprep and analyze the LCS and all samples in the affected AFCEE analytical batch	For specific analyte(s) in all samples in the associated analytical batch: if the LCS %R > UCL, apply J to all positive results if the LCS %R < LCL, apply J to all positive results, apply UJ to all non-detects. If LCS < 50%, R flag results.
Duplicate	One per 40 samples	RPD < 20%	None	Flag all data J for positive results and UJ for non-detects.
MDL study	Once per year	Detection limits established shall be < the RLs in this table	None	Apply R to all results for the specific analyte(s) in all samples analyzed

^a All corrective actions associated with project work shall be documented, and all records shall be maintained by the laboratory.

^b Flagging criteria are applied when acceptance criteria were not met and corrective action was not successful or corrective action was not performed.