

**ENVIRONMENTAL LABORATORY APPROVAL PROGRAM
CERTIFICATION MANUAL**

<u>SUBJECT</u>	<u>DATE</u>	<u>PAGE</u>	<u>ITEM NO.</u>
Quality Control Requirements: Air & Emissions/Radon in Air	4/30/07	1 of 2	273.2

SUB-CATEGORY OR ANALYTICAL GROUP

Q.C.MEASURE RECORD ACQUIRED

FREQUENCY

Passive Methods

Alpha Track Charcoal Canister

System Calibration

Yearly, 10 detectors at 3 concentrations

Spiked detectors

3 per hundred with a minimum of 3 per year and a maximum of 6 per month

Field control detectors

5% per month with a maximum of 25 per month

Duplicate detectors

10% per month with a maximum of 50 per month

Routine Instrument Check

Daily or with use

Electret

System Calibration with gamma exposure rate

Yearly, 10 detectors at 3 concentrations

Spiked Detectors

3 per hundred with a minimum of 3 per year and a maximum of 6 per month

Field Control Detectors

5% with a maximum of 25 per month

Lab Control Detectors

5% with a maximum of 10 per month

Duplicate Detectors

10%, with a maximum of 10 per month

Routine Instrument Check

Weekly

**ENVIRONMENTAL LABORATORY APPROVAL PROGRAM
CERTIFICATION MANUAL**

<u>SUBJECT</u>	<u>DATE</u>	<u>PAGE</u>	<u>ITEM NO.</u>
Quality Control Requirements: Air & Emissions/Radon in Air	4/30/07	2 of 2	273.2

SUB-CATEGORY OR ANALYTICAL GROUP

Q.C.MEASURE RECORD ACQUIRED

FREQUENCY

Active Methods

Continuous Radon	System Calibration	Yearly, or when new, or after any repair or modification
	Cross Check	Semi-annually
	Background measurements	Every 1,000 hrs of cell use, and with calibrations
	Duplicate measurements	10% per month with a maximum of 50 per month
	Routine Instrument Check	Prior to each measurement
Continuous working Level	System Calibration	Yearly, or when new, or after any repair or modification
	Cross Check	Semi annually
	Background measurements	Every 4th measurement and after calibration
	Duplicate measurements	If two units are used, 10% or a maximum of 50 per month
	Routine Instrument Check (alpha source)	Before and after each measurement