

## SECTION 5.18

### JOB HAZARD ANALYSIS

#### INSTRUMENT CALIBRATION AND SETUP

1.0 Discussion: Job hazards associated with instrument calibration and setup and preparing to mobilize and then demobilizing from a site are minimal. Minor radiation, electrical, and general duty hazards do exist and are presented below together with standard controls.

#### 1.1 Calibration Activities

JOB HAZARD ANALYSIS		
ACTIVITY	HAZARD	CONTROL
A. Gather instruments/detectors from storage shelves	A1. Lifting, some equipment is heavy (PIC)	A1. Use proper lifting techniques.
B. Connect instrument to detector with cable	B1. Mild electrical shock from frayed cables	B1. Inspect cables prior to use Ensure they are in good condition and replace if defective.
C. Establish power supply or electrically pulse instruments	C1. Mild electrical shock	C1. Ensure all connections are made and correct prior to turning power supply on.
D. Connect P-10 gas supply (gas proportional detector only)	D1. Compressed gas hazards	D1. Ensure tanks are properly secured when stored or in use. Ensure valve cap is secured when carrying cylinders by hand or in transport boxes.
	D2. Lifting cylinder	D2. Use proper lifting techniques.
E. Calibrate and/or source check instrument/detector combinations	E1. Low-level radiation	E1. Minimize direct contact with sources. Return sources to storage containers when not in use.