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ROCK SAMPLE RADON CALIBRATION

Rock Sample SN: _____ **Average of Four Readings:** _____ **pCi/L**

_____ **Bq/M³**

This sample was kept sealed for more than one month. A recently calibrated, standard RAD7 was first purged with dry, ambient air for not less than 10 minutes. The RAD7 was connected to the rock sample with a standard rock-sample tubing set and small drying tube. The RAD7 protocol was set to 1-day and the 'Recycle' setting reduced to 06. The RAD7 was switched OFF then ON and allowed to print out a header. The ball valves on the rock sample were opened and a test started. After completion of the run (three hours later), the ball valves were closed and the date of closure noted on the rock sample. Of the six half-hour readings, the last four were averaged. The data is presented below.

RAD7 Cal. Date (Y/M/D): _____ / _____ / _____ Ambient Radon Conc: _____ pCi/L

RAD7 Serial Number: _____ _____ BqM³

RAD7 RH: _____ %

Temperature: _____ °C

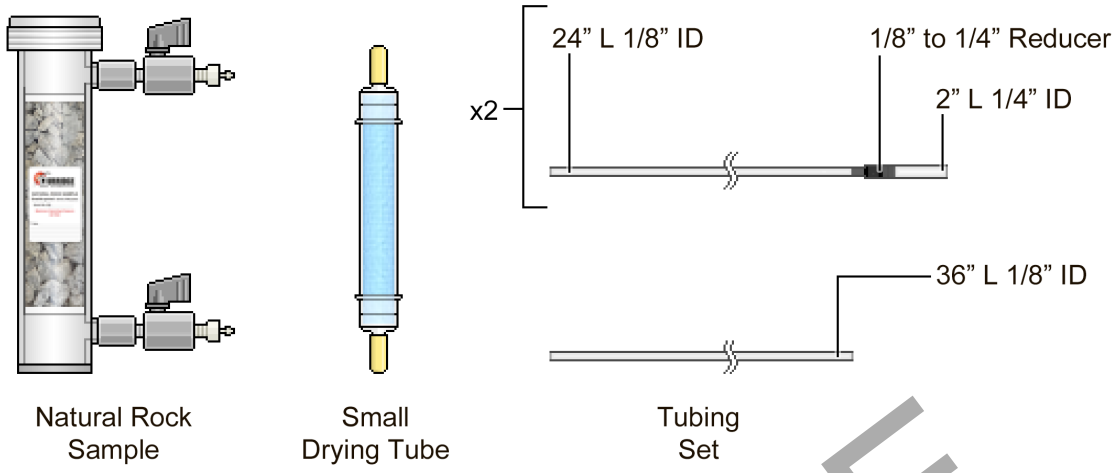
Any standard RAD7 that is in calibration will give the same result to within 7% provided the rock sample has been sealed for a month or more and exactly the same setup and procedure, as described above, are used.

Signature: _____

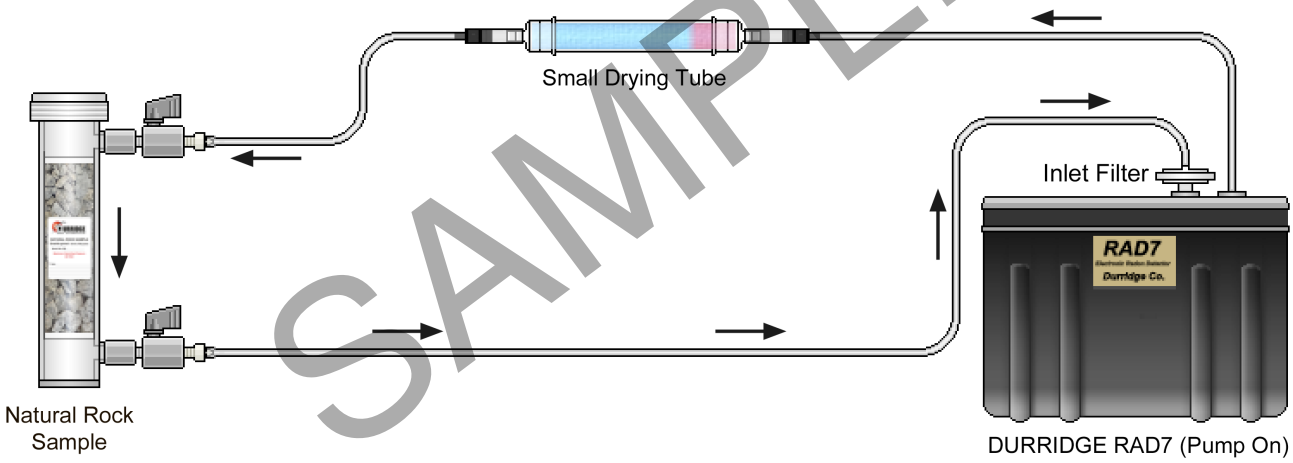
Date (Y/M/D): _____ / ____ / ____

Notes on Rock Sample Calibration

1. Natural Rock Sample Components Used:

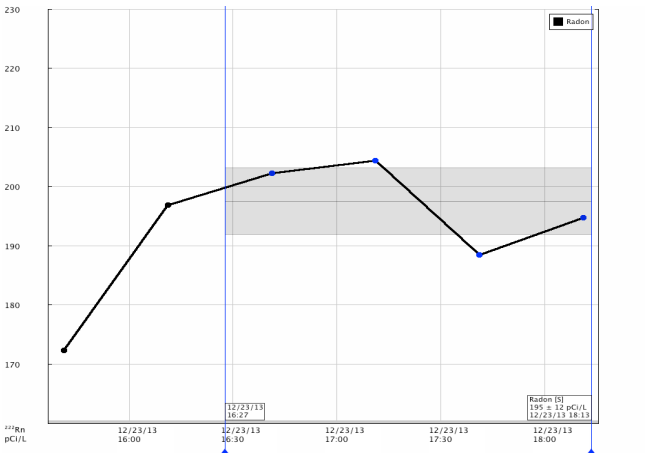


2. Natural Rock Sample Test Configuration:



3. Analysis Using CAPTURE Software

(Last four records examined and averaged):



4. Non-Standard Setups

If Vsetup is the total volume of the standard setup and Rav is the measured average concentration with the standard setup, the total radon in the system is Rav * Vsetup. For a non-standard setup with a different total volume, the average radon concentration of the four readings, RavNew, will be:

RavNew = Rav * (Vsetup / VsetupNew)

The standard setup component volumes are: Rock Sample 460ml, tubing set 4ml, small drying tube 24ml and RAD7 800ml. Thus the total standard setup volume, Vsetup, is 1,260ml.