



Rain Water Analysis, Portland Oregon 2013

The following data was obtained from rain water samples that were collected in Portland, Oregon. Samples are collected once a month and are analyzed for cesium-137 and iodine-131 content. Data is updated on the website monthly.

Sample End Date	Cesium - 137 Activity pCi/L	Iodine - 131 Activity pCi/L
12/26/2013	<MDA*	<MDA*
11/29/2013	<MDA*	<MDA*
10/31/2013	<MDA*	<MDA*
09/16/2013	<MDA*	<MDA*
08/31/2013	I.Q. **	I.Q. **
07/22/2013	I.Q. **	I.Q. **
06/20/2013	<MDA*	<MDA*
05/23/2013	<MDA*	<MDA*
04/29/2013	<MDA*	<MDA*
03/31/2013	<MDA*	<MDA*
02/28/2013	<MDA*	<MDA*
01/25/2013	<MDA*	<MDA*

*Minimum Detectable Activity (MDA): The MDA is defined as the smallest quantity of radioactivity that can be distinguished from background radiation under specified conditions.

** Insufficient Quantity: There was not adequate precipitation to complete the water analysis.

Units

Picocurie (pCi): A unit of measurement that tells you the rate at which a sample of radioactive material decays.

1 pCi = 0.037 Becquerel (Bq) = 2.22 radioactive decays per minute