

# Radiochemistry Analysis

## ACZ Laboratories, Inc.

**Proven Quality.** ACZ's quarterly Proficiency Testing (PT) samples averaged 98% over the past four years. In addition to being NELAP accredited, ACZ also holds certifications in many other states. Please visit [www.acz.com](http://www.acz.com) for the most up to date list.



**Experience:** ACZ performs radiochemistry analysis on drinking water, wastewater, surface water, hazardous waste and solid matrices. ACZ has been providing litigation quality data in a timely manner since 1980. ACZ has worked with many governmental agencies on radiochemistry remediation and monitoring projects for: DOE, DOD, USFS and the BLM. ACZ provides analytical support for the monitoring and cleanup of active mining operations as well as State Abandoned Mine Programs contracted through environmental engineering firms. ACZ's radiochemistry department operates out of our 10,000-sq./ft addition to our laboratory. The radiochemistry laboratory provides

ample space and capacity for ACZ to handle large remediation projects down to a single drinking water sample. ACZ is able to analyze for radiochemistry parameters in drinking water, groundwater, surface water, wastewater, soil, sludge, plant tissue, biota tissue and air filters.

**Detection Limits:** The detection limits below apply to ACZ's analysis of water and soil. Please consult an ACZ marketing representative for a comprehensive list of state certifications or visit our website.

### Water

Parameter	Method	pCi/L	Cost/sample
Gross Alpha	EPA 9310	2	\$48.00
Gross Beta	EPA 9310	4	\$48.00
Radium226	EPA 903.0	1.5	\$75.00
Radium228	EPA 9320	1	\$90.00
Radon222	SM7500Rn	200	\$50.00
Lead 210	Ei Chrom OTW01	4	\$95.00
Thorium-isotopic	ESM 4506 TOPO Ext.	1	\$95.00
Uranium-isotopic	Ei Chrom ACW O3	1	\$95.00
Thorium-232	EPA 200.8	0.1 ug/L	\$47.00
Uranium-T	EPA 200.8	0.1 ug/L	\$47.00

### Drinking Water

Radium226	EPA 903.1	0.5	\$90.00
Radium228	EPA 904.0	1.0	\$95.00

Gross Alpha/ Gross/Beta	EPA 900.0	2 & 4	\$48.00
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### Soil/Solid: (based off a total digestion)

Parameter	Method	pCi/g	Cost/sample
Gross Alpha	EPA 9310	2	\$50.00
Gross Beta	EPA 9310	4	\$50.00
Radium226	EPA 9315	1.0	\$90.00
Radium228	EPA 9320	3.0	\$98.00
Lead 210	Ei Chrom OTW01	10	\$115.00
Thorium-isotopic	ESM 4506 TOPO Ext.	0.2 -0.8	\$105.00
Uranium-isotopic	Ei Chrom ACW 3	~0.3	\$105.00
Thorium-232	EPA 6020	0.5 mg/Kg	\$60.00
Uranium-T	EPA 6020	0.05 mg/Kg	\$60.00

For more information: [www.acz.com](http://www.acz.com)

**ACZ Laboratories, Inc.**

2773 Downhill Drive

Steamboat Springs, CO 80487

800-334-5493 ext. 103 or [sales@acz.com](mailto:sales@acz.com)