

**Rhode Island State Crime Laboratory**  
 Scope of Accreditation  
 FQSI-Rhode Island SCL-019

**Field of Testing: Forensic Testing**

<b>Category</b>	<b>Sub Category</b>	<b>Analytical Techniques*</b>
Trace Materials	<ul style="list-style-type: none"> <li>• Chemistry               <ul style="list-style-type: none"> <li>○ Plastics &amp; polymers</li> <li>○ Adhesives</li> <li>○ Paint</li> </ul> </li> </ul>	• 1.1, 1.2, 2.1, 4.1, 4.2, 5.0
	<ul style="list-style-type: none"> <li>• Hairs and fibers               <ul style="list-style-type: none"> <li>○ Fibers</li> <li>○ Hairs</li> </ul> </li> </ul>	• 2.1, 4.1, 5.0
	<ul style="list-style-type: none"> <li>• Impression               <ul style="list-style-type: none"> <li>○ Speedometer</li> <li>○ Shoeprint/tire tread</li> <li>○ Toolmarks</li> </ul> </li> </ul>	• 3.4, 4.1, 5.0
	<ul style="list-style-type: none"> <li>• Miscellaneous               <ul style="list-style-type: none"> <li>○ Glass</li> <li>○ Light filaments</li> <li>○ Physical match</li> </ul> </li> </ul>	• 3.2, 3.4, 4.1, 4.2, 5.0
Trace Chemistry-Flammables	• Recovery	• 5.0
	• Identification	• 2.2.1, 5.0
Firearms	<ul style="list-style-type: none"> <li>• Weapons               <ul style="list-style-type: none"> <li>○ Ammunition</li> </ul> </li> </ul>	• 3.1, 4.1, 5.0
	• Toolmarks	• 3.1, 4.1, 5.0
	• Gunshot residue	• 4.2, 5.0
	• Serial number restoration	• 4.1, 5.0
	<ul style="list-style-type: none"> <li>• Database               <ul style="list-style-type: none"> <li>○ NIBIN</li> </ul> </li> </ul>	• 3.1
	• Distance determination	• 1.1, 3.5, 4.1, 5.0
Latent Prints	• Development	• 5.0
	• Comparison	• 3.3, 3.4
	<ul style="list-style-type: none"> <li>• Database               <ul style="list-style-type: none"> <li>○ AFIS</li> </ul> </li> </ul>	• 3.3, 3.4

\*Selected from chart below

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**Analytical Techniques**

1.0 Chemical Screening Tests
1.1 Color
1.2 Microchemical
2.0 Spectroscopy
2.1 Infrared, UV, Visible, or Fluorescence
2.2 Mass spectrometry
2.2.1 GC/MS
3.0 Physical Examination
3.1 Striation comparison
3.2 Physical reconstruction
3.3 Friction ridge analysis
3.4 Pattern comparison, pattern recognition
3.5 Physical measurements (e.g., weight, volume, etc.)
4.0 Microscopy
4.1 Optical
4.2 Electron
5.0 General laboratory procedures