

GBI HEADQUARTERS LABORATORY**Scope of Accreditation****07-FQS-I-20-HQ****Field of Testing: Forensic Testing****MATERIALS EXAMINED**

Category	Sub Category	Analytical Technique*
Controlled Substances	• Controlled pharmaceutical and illicit drugs, related chemicals and paraphernalia	2.1, 2.2, 2.3, 3.1, 3.2, 4.5 and 8.0
	• Botanical material	1.2, 2.1, 2.2, 2.3, 3.2, 4.5, 7.1 and 8.0
Trace Chemistry-Flammables	• Recovery	8.0
	• Identification	2.4 and 3.5
Toxicology	• Drugs and poisons in blood, urine and biological specimens	1.1, 1.2, 2.0, 3.1, 3.2 and 8.0
	• Alcohol testing	2.1 and 8.0
Biology	• Biological screening	1.1, 1.2, 7.1 and 8.0
	• DNA in forensic casework	5.1, 6.1.1, 6.1.2, 6.2 and 8.0
	• DNA databasing <ul style="list-style-type: none"> ○ CODIS 	5.1, 6.1.1, 6.2 and 8.0
Latent Prints	• Print development and comparison	4.3, 4.4, 7.1 and 8.0
	• Databasing <ul style="list-style-type: none"> ○ AFIS 	4.3
Questioned Documents	• Handwriting comparison	3.1, 4.4, 7.1 and 8.0
	• Questioned documents	3.1, 4.1, 4.4, 7.1 and 8.0
Firearms	• Firearms identification and examination	4.1, 4.4, 4.5, 7.1 and 8.0
	• Toolmarks	4.1, 4.4, 4.5, 7.1 and 8.0
	• Distance determination	1.2, 4.4, 4.5, 7.1 and 8.0
	• Databasing <ul style="list-style-type: none"> ○ NIBIN 	4.1, 4.4, 4.5, 7.1 and 8.0
	• Serial number restoration	7.1 and 8.0
Trace Materials	• Hairs and Fibers <ul style="list-style-type: none"> ○ Hair ○ Fiber 	7.1 and 8.0 1.3, 3.1, 4.4, 4.5, 7.1 and 8.0
	• Miscellaneous <ul style="list-style-type: none"> ○ Glass ○ Impressions ○ Fracture matches 	1.3, 3.3, 4.5, 7.0 and 8.0 4.4, 7.1 and 8.0 4.1, 4.2, 4.4, 4.5, 7.1 and 8.0
	• Chemistry <ul style="list-style-type: none"> ○ Paint and coatings, plastics and polymers 	1.3, 2.1, 3.1, 3.3, 7.0 and 8.0
	• Chemistry <ul style="list-style-type: none"> ○ Gunshot residue 	3.2, 7.0 and 8.0

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***ANALYTICAL TECHNIQUE / TEST METHOD**

1.0	Chemical Screening Tests
1.1	Immunoassay
1.2	Color
1.3	Microchemical
2.0	Chromatography
2.1	GC
2.2	LC
2.3	TLC
2.4	Data analysis
3.0	Spectroscopy
3.1	Ultraviolet, Visible Spectrophotometry, Infrared, Raman
3.2	Mass Spectrometry
3.3	X-ray Fluorescence
3.4	Other
3.5	Data analysis
4.0	Physical Examination
4.1	Striation Comparison
4.2	Physical reconstruction
4.3	Friction ridge analysis
4.4	Pattern Comparison, Pattern Recognition
4.5	Physical measurements (e.g., weight, volume, etc.)
5.0	Electrophoresis
5.1	Capillary
5.2	Gel
5.3	Other
6.0	Genetic Analysis
6.1	DNA-PCR
6.1.1	Autosomal STR
6.1.2	Y-STR
6.1.3	Other
6.2	Data analysis
6.3	Non-DNA marker
7.0	Microscopy
7.1	Optical
7.2	Electron
8.0	General Laboratory Procedures