CS 4.1 Controlled Substances: Evidence Matrices General Testing Guidelines and Suggestions

**Revision: 6** 

	-						8	1		45500000				
Substance Form	Extraction solvent													
	0	1	2	3	4	5	6	Photos	Weight	Solubility	MiScope	GC/MS	FTIR	Other:
Plant Material (likely marihuana)		Х						х	Х	n/a	Х	х	n/a	
Plant Material (not marihuana)		Х	Х			Х		х	Х	n/a	n/a	х	n/a	
Cigars/Cigarettes		Х	х					х	n/a	n/a	χ+	X	n/a	
Rock (likely cocaine)	Х							х	Х	Х	n/a	X	Х*	FTIR
Powder (likely cocaine)	Х							х	х	Х	n/a	х	n/a**	FTIR
														borate buffer extraction if
														initially negative by GC/MS,
Powder (other than cocaine)	Х							Х	Х	n/a	n/a	X	n/a	also may use FTIR
Tablets - manufactured (all)	Х							Х	n/a	n/a	n/a	Х	n/a	
														Note BB extraction is not
														required if the drug of interest is
CS w/ acatominanhan				.,										found running without
CS w/ acetaminophen				X							· ·	X		extraction FTIR
CS (low dose )				Х								Х		borate buffer extraction if
														initially negative by GC/MS #,
CS (other)	¥											×		also may use FTIR
OO (Other)	^													borate buffer extraction if
Tablets- clandestine (all)	х						x	x	n/a	n/a	n/a	×	n/a	initially negative by GC/MS
Mushrooms	x		Х			x	^	X	IVa	n/a	n/a	X	n/a	Initially negative by Gonius
ividsi ir Oditis	_		^			^				n/a	n/a	_^_	11/a	Extraction will vary depending
Liquid Pharmaceutical Preparations	х		x		Х	Х	x	x	n/a	ı ııa	TI/ CI	x	n/a	on matrix
Steroids in Oil					х			x	n/a	n/a	n/a	х	n/a	Volume taken not reported
Liquids	Х							x	n/a	n/a	n/a	Х	n/a	Volume taken not reported
					$\overline{}$									LC may be needed depending
Food Stuff (contain oils)					x			x	n/a	n/a	n/a	×	n/a	on the expected substance
Food Stuff (no oils)			х		~			x	n/a	n/a	n/a	X	n/a	c a.o expected capetarioc
Blotter paper			X					x	n/a	n/a	n/a	X	n/a	
Diction paper			Ŷ					<u> </u>	1.74	1,,,	1,,,	_^_	1 1/ U	multiple solvents can be used;
Paraphernalia (residues)		×	V		~	х	x	×	n/a	n/a	n/a	×	n/a	at discretion of analyst
* - if insoluble in water or partially insolub	<u> </u>		^							ially solublo		^	IIIa	at discretion of analyst

<sup>\* =</sup> if insoluble in water or partially insoluble in water

4 = methanol/hexane

5 = ethanol

6 = other appropriate solvent dependent on suspected substance

<sup>\*\* =</sup> if soluble in water, if partially soluble need FTIR

<sup># =</sup> if manufactures marking indicates a substance that does not GC/MS Borate Buffer extraction is not required

<sup>+ =</sup> to report marihuana MiScope is required to report  $\Delta$ -9-THC MiScope is not required

<sup>0 =</sup> Methanol, Ethyl Acetate or appropriate Solvent

<sup>1 = 1:1</sup> Petroleum ether/methanol

<sup>2 =</sup> Methanol, Ethyl Acetate or appropriate Solvent

<sup>3 =</sup> borate buffer