



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

The following list of substances represents the full scope of analysis of the Toxicology Discipline as of 2/14/2020. Available quantitative analyses are also indicated. This scope may be limited for certain case types. Please contact the laboratory for details.

Analyte	Quantitative Analysis	LOD	SOP
1-Benzylpiperazine (BZP)			TX-08
3,4-Methylenedioxypropylamphetamine (MDPV)			TX-08/TX-12
3-Trifluoromethylphenylpiperazine (TFMPP)			TX-08
4-ANPP (4-Aminophenyl-1phenylpiperidine)		0.10 ng/mL	TX-34
4-chloro-2,5-dimethoxyamphetamine (DOC)			TX-08
4-Methoxybutyryl fentanyl		0.10 ng/mL	TX-34
5F-ADB		0.005 ng/mL	TX-33
5F-ADB-PINACA		0.005 ng/mL	TX-33
5F-AMB		0.01 ng/mL	TX-33
6-Monoacetylmorphine		5.0 ng/mL	TX-20
7-Aminoflunitrazepam		1.0 ng/mL	TX-38
9-carboxy-11-nor-delta-9-THC (THC-COOH)	X	2.5 ng/mL	TX-39
10, 11-dihydro-10-hydroxycarbazepine	X	0.125 µg/mL	TX-32
11-hydroxy-delta-9-THC (THC-OH)	X	0.5 ng/mL	TX-39
AB-CHMINACA		0.10 ng/mL	TX-33
AB-FUBINACA		0.10 ng/mL	TX-33
Acetaminophen		30.00 µg/mL	TX-09
Acetaminophen			TX-13
Acetone	X	100 mg/L	TX-04
Acetyl fentanyl		0.10 ng/mL	TX-34
Acrylfentanyl		0.10 ng/mL	TX-34
ADB-FUBINACA		0.01 ng/mL	TX-33
AH-7921		0.10 ng/mL	TX-34
Alpha-PVP			TX-08/TX12
Alprazolam	X	1.0 ng/mL	TX-38
Alprazolam		1.0 ng/mL	TX-36
AM-2201		0.005 ng/mL	TX-33
Amantadine			TX-08/TX-12
AMB		0.01 ng/mL	TX-33
AMB-CHMINACA		0.005 ng/mL	TX-33
Amitriptyline	X	20 ng/mL	TX-12
Amitriptyline		25 ng/mL	TX-08
Amlodipine			TX-08/TX-12
Amobarbital			TX-09/TX-13
Amoxapine			TX-08
Amphetamine	X	5.0 ng/mL	TX-18
Amphetamine		1.0 ng/mL	TX-36



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

Analyte	Quantitative Analysis	LOD	SOP
Amphetamine			TX-08
Anhydroecgoninemethylester			TX-08
Atenolol			TX-08/TX-12
Atomoxetine			TX-08
Atropine/hyoscyamine		50 ng/mL	TX-08/TX-12
Benzoyllecgonine	X	10 ng/mL	TX-15
Benzoyllecgonine		1.0 ng/mL	TX-36
Benztropine			TX-08/TX-12
Beta-Hydroxy fentanyl		0.10 ng/mL	TX-34
Beta-Hydroxythiofentanyl		0.10 ng/mL	TX-34
Bisoprolol			TX-08
Bromazepam		2.5 ng/mL	TX-38
Brompheniramine			TX-08/TX-12
Bupivacaine			TX-08/TX-12
Buprenorphine	X	0.1 ng/mL	TX-31
Bupropion		25 ng/mL	TX-08
Buspirone			TX-08
Butalbital	X	0.50 µg/mL	TX-13
Butalbital		0.10 µg/mL	TX-09
Butyryl fentanyl		0.10 ng/mL	TX-34
Caffeine			TX-08/TX-12
Cannabidiol (CBD)		0.5 ng/mL	TX-39
Cannabigerol (CBG)		0.5 ng/mL	TX-39
Cannabinol (CBN)		0.5 ng/mL	TX-39
Carbamazepine	X	0.50 µg/mL	TX-13
Carbamazepine		0.25 µg/mL	TX-09
Carbamazepine	X	0.125 µg/mL	TX-32
Carbinoxamine			TX-08
Carbofuran			TX-08
Carbon monoxide			TX-11
Carboxyhemoglobin	X	10%	TX-10
Carfentanil		0.05 ng/mL	TX-34
Carisoprodol	X	0.50 µg/mL	TX-13
Carisoprodol		0.10 µg/mL	TX-09
Carisoprodol		1.0 ng/mL	TX-36
Chlordiazepoxide	X	1.0 ng/mL	TX-38
Chlordiazepoxide			TX-08/TX-12
Chloroquine			TX-08/TX-12
Chlorpheniramine		25 ng/mL	TX-08
Chlorpheniramine			TX-12
Chlorpromazine			TX-08/TX-12
Chlorzoxazone			TX-09/TX-13



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

Analyte	Quantitative Analysis	LOD	SOP
Cis-3-Methyl fentanyl		0.10 ng/mL	TX-34
Citalopram/Escitalopram		25 ng/mL	TX-08
Citalopram/Escitalopram			TX-12
Clobazam		2.5 ng/mL	TX-38
Clomipramine			TX-08/TX-12
Clonazepam	X	1.0 ng/mL	TX-38
Clonazepam		4.0 ng/mL	TX-36
Clonazolam		2.5 ng/mL	TX-38
Clonidine			TX-08/TX-12
Clopidogrel		1.0 µg/mL	TX-09
Clozapine		50 ng/mL	TX-08
Cocaethylene	X	10 ng/mL	TX-15
Cocaethylene			TX-08/TX-12
Cocaine	X	10 ng/mL	TX-15
Cocaine		1.0 ng/mL	TX-36
Cocaine			TX-08/TX-12
Codeine	X	5.0 ng/mL	TX-20
Codeine		25 ng/mL	TX-08
Cotinine			TX-08/TX-12
Cyclobenzaprine	X	10 ng/mL	TX-12
Cyclobenzaprine		25 ng/mL	TX-08
Cyclopropyl fentanyl		0.10 ng/mL	TX-34
Cyproheptadine			TX-08/TX-12
Delorazepam		2.5 ng/mL	TX-38
Delta-9-tetrahydrocannabinol (THC)	X	1.0 ng/mL	TX-23
Delta-9-tetrahydrocannabinol (THC)		10 ng/mL	TX-36
Desalkylhydroxyzine			TX-08/TX-12
Deschloroetizolam		2.5 ng/mL	TX-38
Desipramine			TX-08/TX-12
Desmethylcitalopram		250 ng/mL	TX-08
Desmethylcitalopram			TX-12
Desmethyltramadol			TX-08/TX-12
Dextromethorphan	X	20 ng/mL	TX-12
Dextromethorphan		10 ng/mL	TX-08
Diazepam		25 ng/mL	TX-08
Diazepam		1.0 ng/mL	TX-36
Diazepam	X	1.0 ng/mL	TX-38
Diazoxide			TX-09/TX-13
Diclazepam		2.5 ng/mL	TX-38
Dicyclomine			TX-08/TX-12
Dihydrocodeine			TX-08/TX-12
Diltiazem			TX-08/TX-12



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

Analyte	Quantitative Analysis	LOD	SOP
Diphenhydramine	X	20 ng/mL	TX-12
Diphenhydramine		10 ng/mL	TX-08
Donepezil			TX-08/TX-12
Doxepin			TX-08/TX-12
Doxylamine		50 ng/mL	TX-08
Doxylamine			TX-12
Ephedrine/Pseudoephedrine			TX-08
Estazolam		2.5 ng/mL	TX-38
Ethanol	X	0.01 g/100 mL	TX-04
Ethylecgonine			TX-08
Ethylidine-dimethyl-diphenylpyrrolidine (EDDP)	X	50 ng/mL	TX-12 / TX-08
Ethyl-methyl-diphenylpyrroline (EMDP)		5 ng/mL	TX-08
Ethylone			TX-08/TX12
Etizolam		2.5 ng/mL	TX-38
Etomidate			TX-08/TX-12
Fenfluramine			TX-08
Fentanyl	X	0.10 ng/mL	TX-34
Fentanyl		1.0 ng/mL	TX-36
FIBF (Fluoroisobutyryl fentanyl)		0.10 ng/mL	TX-34
Flecainide			TX-08/TX-12
Flualprazolam		0.5 ng/mL	TX-38
Flubromazepam		2.5 ng/mL	TX-38
Flubromazolam		2.5 ng/mL	TX-38
Fluconazole			TX-08/TX-12
Flumazenil			TX-08/TX-12
Flunitrazepam		2.5 ng/mL	TX-38
Fluoxetine		100 ng/mL	TX-08
Flurazepam		50 ng/mL	TX-08
Fluvoxamine			TX-08/TX-12
FUB-AKB-48		0.25 ng/mL	TX-33
FUB-AMB		0.10 ng/mL	TX-33
Furanyl fentanyl		0.10 ng/mL	TX-34
Furanylethyl fentanyl		0.10 ng/mL	TX-34
Gabapentin	X	0.125 µg/mL	TX-32
Guafenesin		5.00 µg/mL	TX-09
Haloperidol			TX-08/TX-12
Hydrocodone	X	5.0 ng/mL	TX-20
Hydrocodone		25 ng/mL	TX-08
Hydrocodone		1.0 ng/mL	TX-36
Hydroxycarbazepine			TX08/TX12
Hydroxychloroquine			TX-08/TX-12
Hydroxyzine			TX-08/TX-12



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

Analyte	Quantitative Analysis	LOD	SOP
Ibuprofen	X	0.50 µg/mL	TX-13 / TX-09
Imipramine		25 ng/mL	TX-08
Imipramine			TX-12
Isopropanol	X	100 mg/L	TX-04
JWH-018		0.005 ng/mL	TX-33
Ketamine		12.5 (30) ng/mL	TX-08
Ketamine			TX-12
Lamotrigine		5.00 µg/mL	TX-09
Lamotrigine	X	0.125 µg/mL	TX-32
Laudanosine			TX-08/TX-12
Levamisole			TX-08/TX-12
Levetiracetam		10.00 µg/mL	TX-09
Levetiracetam	X	0.125 µg/mL	TX-32
Levorphanol			TX-08/TX-12
Lidocaine		25 ng/mL	TX-08
Lidocaine			TX-12
Loratadine			TX-08/TX-12
Lorazepam	X	5.0 ng/mL	TX-38
Lorazepam		4.0 ng/mL	TX-36
Loxapine			TX-08/TX-12
MAB-CHMINACA		0.005 ng/mL	TX-33
MDMB-CHMINACA		0.005 ng/mL	TX-33
MDMB-FUBINACA		0.005 ng/mL	TX-33
Meclizine			TX-08/TX-12
Meclonazepam		2.5 ng/mL	TX-38
Memantine			TX-08/TX-12
Meperidine	X	5.0 ng/mL	TX-20
Meperidine		10 ng/mL	TX-08
Mephedrone			
Mephobarbital			TX-09/TX-13
Mepivacaine			TX-08/TX-12
Meprobamate	X	0.50 µg/mL	TX-13
Meprobamate		0.10 µg/mL	TX-09
Meprobamate		1.0 ng/mL	TX-36
Mepyramine			
Mesoridazine			TX-08/TX-12
Meta-Fluorobutyryl Fentanyl		0.10 ng/mL	TX-34
Metaxalone			TX-09
Methadone	X	20 ng/mL	TX-12
Methadone	X	5.0 ng/mL	TX-20
Methadone		1.0 ng/mL	TX-36
Methamphetamine	X	5.0 ng/mL	TX-18



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

Analyte	Quantitative Analysis	LOD	SOP
Methamphetamine		50 ng/mL	TX-08
Methamphetamine		1.0 ng/mL	TX-36
Methanol	X	100 mg/L	TX-04
Methocarbamol		1.00 µg/mL	TX-09
Methoxyacetyl fentanyl		0.10 ng/mL	TX-34
Methylecgonine			TX-08/TX-12
Methylenedioxyamphetamine (MDA)			TX-08/TX-12
Methylenedioxymethamphetamine (MDMA)			TX-08/TX-12
Methylenedioxypropylamphetamine (MDPV)			TX-08/TX-12
Methylone			TX-08/TX-12
Methylphenidate			TX-08/TX-12
Metoclopramide			TX-08/TX-12
Metoprolol		100 ng/mL	TX-08
Metronidazole			TX-08
Midazolam		50 ng/mL	TX-08
Midazolam			TX-12
Midazolam	X	1.0 ng/mL	TX-38
Mitragynine			TX-08/TX-12
Mirtazapine		12.5 (13) ng/mL	TX-08
MMB-CHMINACA		0.005 ng/mL	TX-33
MO-CHMINACA		0.10 ng/mL	TX-33
Monoethylglycylxylidide (MEGX)			TX-08/TX-12
Morphine	X	5.0 ng/mL	TX-20
Morphine		1.0 ng/mL	TX-36
MT-45		0.10 ng/mL	TX-34
Naloxone	X	0.10 ng/mL	TX-31
Naproxen		2.00 µg/mL	TX-09
Naproxen			TX-13
N-Desmethyltramadol			TX-08/TX-12
Nevirapine			TX-08/TX-12
Nicotine			TX-08/TX-12
Norbuprenorphine	X	0.25 ng/mL	TX-31
Norclozapine			TX-08/TX-12
Norcocaine			TX-08/TX-12
Norcyclobenzaprine			TX-08/TX-12
Nordiazepam	X	1.0 ng/mL	TX-38
Nordiazepam		1.0 ng/mL	TX-36
Nordiazepam			TX-08/TX-12
Nordoxepin			TX-08/TX-12
Norfenfluramine			TX-08
Norfentanyl			TX-08/TX-12
Norfluoxetine			TX-08/TX-12



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

Analyte	Quantitative Analysis	LOD	SOP
Norketamine			TX-08/TX-12
Normeperidine			TX-08/TX-12
Norpromethazine			TX-08/TX-12
Norpropoxyphene			TX-08/TX-12
Norsertaline			TX-08/TX-12
Nortriptyline	X	50 ng/mL	TX-12
Nortriptyline		100 ng/mL	TX-08
Norvenlafaxine			TX-08/TX-12
Norverapamil			TX-08/TX-12
O-Desmethyltramadol			TX-08/TX-12
Olanzapine		75 ng/mL	TX-08
Ondansetron			TX-08/TX-12
Orphenadrine			TX-08/TX-12
Oxaprozin			TX-08
Oxazepam		1.00 µg/mL	TX-09
Oxazepam	X	1.0 ng/mL	TX-38
Oxcarbazepine	X	0.125 µg/mL	TX-32
Oxycodone	X	5.0 ng/mL	TX-20
Oxycodone		50 ng/mL	TX-08
Oxycodone		1.0 ng/mL	TX-36
Papaverine			TX-08/TX-12
Paroxetine		250 ng/mL	TX-08
Pentazocine			TX-08/TX-12
Pentobarbital		0.10 µg/mL	TX-09
Pentoxifylline			TX-08/TX-12
Phenazepam		2.5 ng/mL	TX-38
Phencyclidine		5 ng/mL	TX-08
Phendimetrazine			TX-08/TX-12
Pheniramine			TX-08/TX-12
Phenmetrazine			TX-08/TX-12
Phenobarbital	X	0.50 µg/mL	TX-13
Phenobarbital		0.10 µg/mL	TX-09
Phentermine	X	5 ng/mL	TX-29
Phenyltoloxamine			TX-08/TX-12
Phenytoin	X	0.50 µg/mL	TX-13
Phenytoin		0.10 µg/mL	TX-09
Phenytoin	X	0.250 µg/mL	TX-32
Pramoxine			TX-08/TX-12
Pregabalin	X	0.125 µg/mL	TX-32
Primidone			TX-08/TX-12
Prochlorperazine			TX-08/TX-12
Promethazine			TX-08/TX-12



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

Analyte	Quantitative Analysis	LOD	SOP
Propafenone			TX-08
Propofol			TX-08
Propoxyphene			TX-08/TX-12
Propranolol		75 ng/mL	TX-08
Pyrazolam		2.5 ng/mL	TX-38
Quetiapine		250 ng/mL	TX-08
Quinine/ Quinidine			TX-08/TX-12
Ranitidine			TX-08/TX-12
Risperidone			TX-08/TX-12
Ropivacaine			TX-08/TX-12
Salicylamide			TX-09/TX-13
Salicylic acid			TX-09/TX-13
Secobarbital			TX-09/TX-13
Sertraline			TX-08/TX-12
Strychnine			TX-08/TX-12
Sulforidazine			TX-08/TX-12
Tapentadol			TX-08/TX-12
Temazepam			TX-08/TX-12
Temazepam	X	1.0 ng/mL	TX-38
Theophylline			TX-09/TX-13
Thiopental		0.10 µg/mL	TX-09
Thioridazine		250 ng/mL	TX-08
Ticlopidine			TX-08/TX-12
Toluene			TX-04
Topiramate		0.10 µg/mL	TX-09
Topiramate	X	0.125 µg/mL	TX-32
Topiramate			TX-13
Tramadol	X	50 ng/mL	TX-12
Tramadol		10 ng/mL	TX-08
Trans-3-Methyl fentanyl		0.10 ng/mL	TX-34
Trazodone		100 ng/mL	TX-08
Trazodone			TX-12
Triazolam		2.5 ng/mL	TX-38
Trifluoromethylpiperazine (TFMPP)		50 ng/mL	TX-08
Trihexyphenidyl			TX-08/TX-12
Trimethobenzamide			TX-08
Trimethoprim			TX-08/TX-12
Triprolidine			TX-08
U-47700 (designer opioid)		0.10 ng/mL	TX-34
U-49900 (designer opioid)		0.10 ng/mL	TX-34
U-50488 (designer opioid)		0.10 ng/mL	TX-34
UR-144		0.01 ng/mL	TX-33



Alabama Department of Forensic Sciences
Toxicological Scope of Analysis

Analyte	Quantitative Analysis	LOD	SOP
Valproic acid		2.00 µg/mL	TX-09
Valproic acid			TX-13
Venlafaxine		50 ng/mL	TX-08
Venlafaxine			TX-12
Verapamil			TX-08/TX-12
Warfarin		2.00 µg/mL	TX-09
XLR-11		0.01 ng/mL	TX-33
Zolpidem	X	1.0 ng/mL	TX-38
Zolpidem		50 ng/mL	TX-08
Zolpidem			TX-12
Zolpidem		1.0 ng/mL	TX-36
Zonisamide	X	0.125 µg/mL	TX-32