

**11550 SCOPE AND REPORTING LIMITS 2023**

If applicable, when quantitative results are reported, the respective analytical protocol is listed first.
When Uncertainty of Measurement is provided, it is at the coverage probability of 99.73%.

LCQB-BL and LCQB-UR by LC-MS/MS [ng/mL]					
Component	BL	UR	Component	BL	UR
Amphetamines			Flunitrazepam	0.5	1
Methamphetamine	10	50	7-Amino Flunitrazepam	1	2.5
Amphetamine	10	50	Flurazepam	1	1
Ephedrine / Pseudoephedrine	2.5	10	Lorazepam	5	10
Norephedrine / Norpseudoephedrine	2.5	10	Lormetazepam	1	2.5
3,4-Methylenedioxymphetamine (MDA)	2.5	10	Midazolam	1	1
3,4-Methylenedioxymphetamine (MDMA)	2.5	10	alpha-Hydroxy Midazolam	1	1
Methylphenidate	1	2.5	Desalkyl Flurazepam	1	1
Mazindol	1	10	N-Desmethyl Flunitrazepam	1	2.5
Phenmetrazine	5	25	Nimetazepam	1	1
Phentermine	25	50	Phenazepam	2.5	5
Anesthetic			Prazepam	0.5	1
Lidocaine	5	5	Pyrazolam	2.5	5
Anticonvulsants			Triazolam	0.5	5
Gabapentin	10	100	alpha-Hydroxy Triazolam	2.5	5
Lamotrigine	10	10	Clobazam	5	5
Pregabalin	100	250	Cannabinoids		
Antihistamines			Tetrahydrocannabinol (THC)	1	2.5
Benztrapine	1	1	11-Hydroxy THC	1	2.5
Chlorpheniramine	5	25	Carboxy THC	2.5	5
Diphenhydramine	1	1	Tetrahydrocannabinol Acid (THCA)	1	1
Doxylamine	2.5	5	Tetrahydrocannabivarin (THCV)	1	5
Hydroxyzine	1	2.5	Tetrahydrocannabivarinic Acid (THCVA)	1	1
Promethazine	0.5	1	Cannabidiol (CBD)	1	2.5
Barbiturates			Cannabidiolic Acid (CBDA)	1	1
Amobarbital / Pentobarbital	10	25	Cannabidivarin (CBDV)	5	5
Aprobarbital	10	10	Cannabigerol (CBG)	1	2.5
Barbital	10	25	Cannabigerolic Acid (CBGA)	1	1
Butabarbital	10	25	Cannabinol (CBN)	1	2.5
Butalbital / Talbutal	10	10	Cathinones		
Hexobarbital	500	5,000	3,4-Methylenedioxy alpha-Pyrrolidinohexanophenone (3,4-MDPHP) / N-Cyclohexyl N-Methyl Methylone / N-Cyclohexyl Butylone [∞]	0.1	0.25
Mephobarbital	500	2,500	alpha-PHP [∞]	0.1	0.5
Phenobarbital	10	25	Eutylone [∞]	0.25	2.5
Secobarbital	10	25	Mephedrone [∞]	0.75	1
Thiopental	10	25	N-Propyl Butylone / N,N-Dimethyl Pentylone [∞]	0.25	0.5
Benzodiazepines			Pentylone [∞]	0.25	0.5
8-Amino Clonazepam [∞]	0.25	0.75	Cocaine and Metabolites		
Bromazepam	2.5	5	Cocaine	1	2.5
Bromazolam [∞]	0.5	0.5	Norcocaine	2.5	5
Clonazepam [∞]	1	2.5	meta-Hydroxy Cocaine / para-Hydroxy Cocaine	1	1
Desalkyl Gidazepam [∞]	1	1	Cocaethylene	1	2.5
Deschloro Etizolam / 4'-Chloro Deschloro Alprazolam [∞]	0.25	0.25	Benzoylecgonine	10	10
Estazolam [∞]	1	1	Anhydroecgonine Methyl Ester	5	25
Etizolam	0.5	1	Dissociatives		
Flualprazolam	0.5	1	Phencyclidine (PCP)	1	10
Flubromazepam	1	1	3-Chloro PCP [∞]	0.1	0.25
Flubromazolam	0.5	1	3-Hydroxy PCP [∞]	0.25	0.5
Fluclozepam [∞]	0.25	0.5	3-Methoxy PCP / 4-Methoxy PCP [∞]	0.1	1
Meclonazepam [∞]	1	1	Ketamine	5	10
Metizolam [∞]	0.5	0.5	Norketamine	1	10
Zolazepam	0.5	1	Deschloroketamine	2.5	2.5
Alprazolam	1	1	2-Fluoro Deschloro Ketamine [∞]	2.5	2.5
alpha-Hydroxy Alprazolam	1	2.5	gamma-Hydroxybutyric Acid (GHB)*	5,000	10,000
Clonazepam	2.5	5	Hallucinogens		
7-Amino Clonazepam	1	2.5	Psilocin	1	5
Clotiazepam	1	1	Psilocybin	2.5	50
Delorazepam	2.5	5	Lysergic Acid Diethylamide (LSD)	0.1	0.1
Chlordiazepoxide	1	10	5-Methoxy DMT	0.5	0.5
Diazepam	1	1	N,N-Dimethyltryptamine (DMT)	0.5	0.5
Nordiazepam	1	1	Miscellaneous		
Temazepam	1	5	Mitragynine	2.5	5
Oxazepam	10	10	Suvorexant	0.5	1
Diclazepam	1	2.5			
Nitrazepam	1	2.5			
7-Amino Nitrazepam	1	5			



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Component	BL	UR	Component	BL	UR
Xylazine [∞]	0.25	0.75	Dextrophan / Levorphanol	0.5	1
Muscle Relaxants			Methadone	1	1
Carisoprodol	25	25	EDDP (Methadone Metabolite)	5	10
Meprobamate	50	100	Nalbuphine	1	5
Opioids			Naloxone	1	5
Fentanyl	0.1	1	Naltrexone	1	5
Acetyl Fentanyl	0.1	1	Oxycodone	2.5	5
Norfentanyl	0.25	1	Noroxycodone	1	10
6-Monoacetylmorphine (6-MAM)	0.25	2.5	Oxymorphone	1	10
Morphine	1	5	Noroxymorphone	5	50
Codeine	1	5	Tapentadol	5	10
Dihydrocodeine	1	5	Tramadol	1	10
Norcodeine	5	5	O-Desmethyl-Tramadol	1	5
Hydrocodone	1	5	Z Drugs		
Norhydrocodone	1	10	Zaleplon	0.5	1
Hydromorphone	1	5	Zolpidem	0.75	1
Buprenorphine	0.5	1	Zolpidem Phenyl-4-Carboxylic Acid	0.5	1
Norbuprenorphine	1	5	Zopiclone / Eszopiclone	1	10
Dextromethorphan / Levomethorphan	0.5	5	Zopiclone-N-oxide	N/A	10

* In postmortem casework, GHB is reported when results are greater than 50,000 ng/mL.

[∞] Component validation not completed.

LCQC-BL and LCQC-UR by LC-MS/MS [ng/mL]

Component	BL	UR	Component	BL	UR
Amphetamines			1-(3-Chlorophenyl)-Piperazine (McPP)	1	N/A
Ritalinic Acid	2.5	5	Venlafaxine	2.5	2.5
Analgesics			O-Desmethyl Venlafaxine / N-Desmethyl Venlafaxine	2.5	2.5
Acetaminophen	500	500	Antihistamine		
Salicylic Acid	100	250	Brompheniramine	0.5	0.5
Anesthetic			Carbinoxamine	0.5	0.5
Norlidocaine	5	5	Cetirizine / Levocetirizine	1	1
Anticonvulsant			Norchlorcyclizine	1	1
Carbamazepine	25	25	Meclizine	0.5	0.5
10,11-Dihydro-10-Hydroxy Carbamazepine	25	25	Antipsychotic		
Levetiracetam	10	10	Chlorpromazine	1	1
Phenytoin	25	25	Clozapine	1	1
Topiramate	25	25	N-Desmethyl Clozapine	1	1
Valproic Acid	2,500	5,000	Olanzapine	5	5
Primidone	5	5	Quetiapine	2.5	2.5
Antidepressant			Norquetiapine	2.5	2.5
Amitriptyline	1	1	7-Hydroxy Quetiapine	1	1
Nortriptyline	1	1	Risperidone	0.5	0.5
Bupropion	1	5	9-Hydroxy Risperidone	0.5	0.5
Citalopram / Escitalopram	1	5	Thioridazine	1	1
Clomipramine	1	1	Ziprasidone	2.5	5
Desipramine	1	1	Cardiac		
Doxepin	1	1	Clonidine	0.25	1
Nordoxepin	1	1	Diltiazem	1	1
Duloxetine	2.5	2.5	Decongestant		
Fluoxetine	2.5	2.5	Tetrahydrozoline	0.1	0.5
Norfluoxetine	5	5	Miscellaneous		
Imipramine	1	1	gamma-Butyrolactone (GBL)	5,000	200,000
Mirtazapine	2.5	2.5	Muscle Relaxant		
Paroxetine	5	10	Cyclobenzaprine	0.5	0.5
Sertraline	2.5	2.5	N-Desmethyl Cyclobenzaprine	0.5	0.5
Norsertaline	5	5	Scopolamine	0.5	0.5
Trazodone	5	5			