



DFC SCOPE AND REPORTING LIMITS 2022

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%.

GCET by HS-GC-FID

Component (Volatiles)	Blood, Urine, Vitreous Humor
Ethanol	0.01 % (w/v)
Methanol	10 mg/dL
Acetone	10 mg/dL
Isopropanol	10 mg/dL

LCQB by LC-MS/MS [ng/mL]

Component	Blood	Urine	Component	Blood	Urine
Amphetamines			Oxazepam	10	10
Methamphetamine	10	50	Diazepam	1	2.5
Amphetamine	10	50	Flubromazepam	0.5	1
Ephedrine/Pseudoephedrine	2.5	10	Nitrazepam	1	2.5
Norephedrine/Norpseudoephedrine	2.5	10	7-Amino Nitrazepam	1	5
3,4-Methylenedioxyamphetamine (MDA)	2.5	10	Flunitrazepam	0.5	1
3,4-Methylenedioxymethamphetamine (MDMA)	2.5	10	7-Amino Flunitrazepam	1	2.5
Phencyclidine (PCP)	1	10	Flurazepam	1	1
Methylphenidate	1	2.5	Lorazepam	5	10
Mazindol	1	10	Lormetazepam	1	2.5
Phenmetrazine	5	25	Midazolam	1	1
Phentermine	25	50	alpha-Hydroxy Midazolam	1	1
Anesthetic			Desalkyl Flurazepam	1	1
Lidocaine	5	5	N-Desmethyl Flunitrazepam	1	2.5
Anticonvulsants			Nimetazepam	1	1
Gabapentin	10	100	Phenazepam	2.5	5
Lamotrigine	10	10	Prazepam	0.5	1
Pregabalin	100	250	Pyrazolam	2.5	5
Antihistamines			Triazolam	0.5	5
Benztrapine	1	1	alpha-Hydroxy Triazolam	2.5	5
Chlorpheniramine	5	25	Zolazepam	0.5	1
Diphenhydramine	1	1	Clobazam	5	5
Doxylamine	2.5	5	Cannabinoids		
Hydroxyzine	1	2.5	Tetrahydrocannabinol (THC)	1	2.5
Promethazine	0.5	1	11-Hydroxy THC	1	2.5
Barbiturates			Carboxy THC	2.5	5
Amobarbital/Pentobarbital	10	25	Cannabidiol (CBD)	1	2.5
Aprobarbital	10	10	Cannabidiolic Acid (CBDA)	1	1
Barbital	10	25	Cannabidivarin (CBDV)	5	5
Butabarbital	10	25	Cannabigerol (CBG)	1	2.5
Butalbital/Talbutal	10	10	Cannabigerolic Acid (CBGA)	1	1
Hexobarbital	500	5,000	Cannabinol (CBN)	1	2.5
Mephobarbital	500	2,500	Tetrahydrocannabinol Acid (THCA)	1	1
Phenobarbital	10	25	Tetrahydrocannabivarin (THCV)	1	5
Secobarbital	10	25	Tetrahydrocannabivarinic Acid (THCVA)	1	1
Thiopental	10	25	Cocaine and Metabolites		
Benzodiazepines			Cocaine	1	2.5
Etizolam	0.5	1	Norcocaine	2.5	5
Flualprazolam	0.5	1	Cocaethylene	1	2.5
Bromazepam	2.5	5	Benzoyllecgonine	10	10
Flubromazepam	1	1	Anhydroecgonine Methyl Ester	5	25
Clonazepam	Monitored only		meta-/para-Hydroxy Cocaine	1	1
Estazolam	Monitored only		Dissociatives		
Alprazolam	1	1	Ketamine	5	10
alpha-Hydroxy Alprazolam	1	2.5	Norketamine	1	10
Clonazepam	2.5	5	Deschloroketamine	2.5	2.5
7-Amino Clonazepam	1	2.5	Hallucinogens		
Clotiazepam	1	1	Psilocin	1	5
Delorazepam	2.5	5	Psilocybin	2.5	50
Chlordiazepoxide	1	10	Miscellaneous		
Diazepam	1	1	gamma-Hydroxybutyric Acid (GHB) ^a	5,000	10,000
Nordiazepam	1	1	Mitragynine	2.5	5
Temazepam	1	5	Suvorexant	0.5	1



FORENSIC LABORATORY DIVISION

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

^a In postmortem casework, GHB is reported when results are greater than 50,000.

LCQC by LC-MS/MS [ng/mL]

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