



DFC SCOPE AND REPORTING LIMITS 2021

GCET by HS-GC-FID

| Component<br>(Volatiles) | Blood, Urine,<br>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  |
|-------------------------------------|----------------|-------|----------------------------------------------|-------|--------|
| <b>Amphetamines</b>                 |                |       | Nitrazepam                                   | 1     | 2.5    |
| Methamphetamine                     | 10             | 50    | 7-Amino Nitrazepam                           | 1     | 5      |
| Amphetamine                         | 10             | 50    | Flunitrazepam                                | 0.5   | 1      |
| Ephedrine/Pseudoephedrine           | 2.5            | 10    | 7-Amino Flunitrazepam                        | 1     | 2.5    |
| Norephedrine/Norpseudoephedrine     | 2.5            | 10    | Flurazepam                                   | 1     | 1      |
| 3,4-Methylenedioxymphetamine (MDA)  | 2.5            | 10    | Lorazepam                                    | 5     | 10     |
| 3,4-Methylenedioxymphetamine (MDMA) | 2.5            | 10    | Lormetazepam                                 | 1     | 2.5    |
| Phencyclidine (PCP)                 | 1              | 10    | Midazolam                                    | 1     | 1      |
| Methylphenidate                     | 1              | 2.5   | alpha-Hydroxy Midazolam                      | 1     | 1      |
| Mazindol                            | 1              | 10    | Desalkyl Flurazepam                          | 1     | 1      |
| Phenmetrazine                       | 5              | 25    | N-Desmethyl Flunitrazepam                    | 1     | 2.5    |
| Phentermine                         | 25             | 50    | Nimetazepam                                  | 1     | 1      |
| <b>Anesthetic</b>                   |                |       | Phenazepam                                   | 2.5   | 5      |
| Lidocaine                           | 5              | 5     | Prazepam                                     | 0.5   | 1      |
| <b>Anticonvulsants</b>              |                |       | Pyrazolam                                    | 2.5   | 5      |
| Gabapentin                          | 10             | 100   | Triazolam                                    | 0.5   | 5      |
| Lamotrigine                         | 10             | 10    | alpha-Hydroxy Triazolam                      | 2.5   | 5      |
| Pregabalin                          | 100            | 250   | Zolazepam                                    | 0.5   | 1      |
| <b>Antihistamines</b>               |                |       | Clobazam                                     | 5     | 5      |
| Benzotropine                        | 1              | 1     | <b>Cannabinoids</b>                          |       |        |
| Chlorpheniramine                    | 5              | 25    | Tetrahydrocannabinol (THC)                   | 1     | 2.5    |
| Diphenhydramine                     | 1              | 1     | 11-Hydroxy THC                               | 1     | 2.5    |
| Doxylamine                          | 2.5            | 5     | Carboxy THC                                  | 2.5   | 5      |
| Hydroxyzine                         | 1              | 2.5   | Cannabidiol (CBD)                            | 1     | 2.5    |
| Promethazine                        | 0.5            | 1     | Cannabidiolic Acid (CBDA)                    | 1     | 1      |
| <b>Barbiturates</b>                 |                |       | Cannabidivarin (CBDV)                        | 5     | 5      |
| Amobarbital/Pentobarbital           | 10             | 25    | Cannabigerol (CBG)                           | 2.5   | 2.5    |
| Aprobarbital                        | 10             | 10    | Cannabigerolic Acid (CBGA)                   | 1     | 1      |
| Barbital                            | 10             | 25    | Cannabinol (CBN)                             | 1     | 2.5    |
| Butabarbital                        | 10             | 25    | Tetrahydrocannabinol Acid (THCA)             | 1     | 1      |
| Butalbital/Talbutal                 | 10             | 10    | Tetrahydrocannabivarin (THCV)                | 1     | 5      |
| Hexobarbital                        | 500            | 5,000 | Tetrahydrocannabivarinic Acid (THCVA)        | 1     | 1      |
| Mephobarbital                       | 500            | 2,500 | <b>Cocaine and Metabolites</b>               |       |        |
| Phenobarbital                       | 10             | 25    | Cocaine                                      | 1     | 2.5    |
| Secobarbital                        | 10             | 25    | Norcocaine                                   | 2.5   | 5      |
| Thiopental                          | 10             | 25    | Cocaethylene                                 | 1     | 2.5    |
| <b>Benzodiazepines</b>              |                |       | Benzoylcegonine                              | 10    | 10     |
| Etizolam                            | 0.5            | 1     | Anhydroecgonine Methyl Ester                 | 5     | 25     |
| Flualprazolam                       | 0.5            | 1     | meta-/para-Hydroxy Cocaine                   | 1     | 1      |
| Bromazepam                          | 2.5            | 5     | <b>Dissociatives</b>                         |       |        |
| Flubromazepam                       | 1              | 1     | Ketamine                                     | 5     | 10     |
| Clonazepam                          | Monitored only |       | Norketamine                                  | 1     | 10     |
| Estazolam                           | Monitored only |       | Deschloroketamine                            | 2.5   | 2.5    |
| Alprazolam                          | 1              | 1     | <b>Hallucinogens</b>                         |       |        |
| alpha-Hydroxy Alprazolam            | 1              | 2.5   | Psilocin                                     | 1     | 5      |
| Clonazepam                          | 2.5            | 5     | Psilocybin                                   | 2.5   | 50     |
| 7-Amino Clonazepam                  | 1              | 2.5   | <b>Miscellaneous</b>                         |       |        |
| Clotiazepam                         | 1              | 1     | gamma-Hydroxybutyric Acid (GHB) <sup>a</sup> | 5,000 | 10,000 |
| Delorazepam                         | 2.5            | 5     | Mitragynine                                  | 2.5   | 5      |
| Chlordiazepoxide                    | 1              | 10    | Suvorexant                                   | 0.5   | 1      |
| Diazepam                            | 1              | 1     | <b>Muscle Relaxants</b>                      |       |        |
| Nordiazepam                         | 1              | 1     | Carisoprodol                                 | 25    | 25     |
| Temazepam                           | 1              | 5     | Meprobamate                                  | 50    | 100    |
| Oxazepam                            | 10             | 10    | <b>Opioids</b>                               |       |        |
| Diclazepam                          | 1              | 2.5   | Fentanyl                                     | 0.1   | 1      |
| Flubromazepam                       | 0.5            | 1     | Acetyl Fentanyl                              | 0.1   | 1      |



FORENSIC LABORATORY DIVISION

| Component                       | Blood | Urine | Component                         | Blood | Urine |
|---------------------------------|-------|-------|-----------------------------------|-------|-------|
| Norfentanyl                     | 0.25  | 1     | Naltrexone                        | 1     | 5     |
| 6-Monoacetylmorphine (6-MAM)    | 0.25  | 2.5   | O-Desmethyl-Tramadol              | 1     | 5     |
| Morphine                        | 1     | 5     | Oxycodone                         | 2.5   | 5     |
| Codeine                         | 1     | 5     | Noroxycodone                      | 1     | 10    |
| Dihydrocodeine                  | 1     | 5     | Oxymorphone                       | 1     | 10    |
| Norcodeine                      | 5     | 5     | Noroxymorphone                    | 5     | 50    |
| Buprenorphine                   | 0.5   | 1     | Tapentadol                        | 5     | 10    |
| Norbuprenorphine                | 1     | 5     | Tramadol                          | 1     | 10    |
| Dextromethorphan/Levomethorphan | 0.5   | 5     | <b>Z Drugs</b>                    |       |       |
| Dextrorphan/Levorphanol         | 0.5   | 1     | Zaleplon                          | 0.5   | 1     |
| Methadone                       | 1     | 1     | Zolpidem                          | 0.75  | 1     |
| EDDP (Methadone Metabolite)     | 5     | 10    | Zolpidem Phenyl-4-Carboxylic Acid | 0.5   | 1     |
| Hydrocodone                     | 1     | 5     | Zopiclone/Eszopiclone             | 1     | 10    |
| Norhydrocodone                  | 1     | 10    | Zopiclone-N-oxide                 | N/A   | 10    |
| Hydromorphone                   | 1     | 5     |                                   |       |       |
| Nalbuphine                      | 1     | 5     |                                   |       |       |
| Naloxone                        | 1     | 5     |                                   |       |       |

<sup>a</sup> 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   |
|----------------------------------------|-------|----------------|----------------------------------|-------|---------|
| <b>Amphetamines</b>                    |       |                | O-/N-Desmethyl Venlafaxine       | 2.5   | 2.5     |
| Ritalinic Acid                         |       | Monitored only | <b>Antihistamine</b>             |       |         |
| <b>Analgesics</b>                      |       |                | Brompheniramine                  | 0.5   | 0.5     |
| Acetaminophen                          | 500   | 500            | Carbinoxamine                    | 0.5   | 0.5     |
| Salicylic Acid                         | 100   | 250            | Cetirizine/Levocetirizine        | 1     | 1       |
| <b>Anesthetic</b>                      |       |                | Norchlorcyclizine                | 1     | 1       |
| Norlidocaine                           | 5     | 5              | Meclizine                        | 0.5   | 0.5     |
| <b>Anticonvulsant</b>                  |       |                | <b>Antipsychotic</b>             |       |         |
| 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       |
| <b>Antidepressant</b>                  |       |                | 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              | <b>Cardiac</b>                   |       |         |
| Clomipramine                           | 1     | 1              | Clonidine                        | 0.25  | 1       |
| Desipramine                            | 1     | 1              | Diltiazem                        | 1     | 1       |
| Doxepin                                | 1     | 1              | <b>Decongestant</b>              |       |         |
| Nordoxepin                             | 1     | 1              | Tetrahydrozoline                 | 0.1   | 0.5     |
| Duloxetine                             | 2.5   | 2.5            | <b>Hallucinogen</b>              |       |         |
| 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            | <b>Miscellaneous</b>             |       |         |
| Paroxetine                             | 5     | 15             | gamma-Butyrolactone (GBL)        | 5,000 | 200,000 |
| Sertraline                             | 2.5   | 2.5            | <b>Muscle Relaxant</b>           |       |         |
| Norsertaline                           | 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            |                                  |       |         |