

Washington State Patrol Toxicology Laboratory

Testing Scope A - Measurement Uncertainty for Quantitative Methods

Analyte	Confirmation Method	Expanded Uncertainty	Coverage Factor
6-acetylmorphine	Opiates LC-MSMS	24.81%	k = 3, 99.73%
7-aminoclonazepam	Benzodiazepines LC-AJS/LC-MSMS	29.14%	k = 3, 99.73%
acetone	Headspace GC	12.44%	k = 3, 99.73%
alpha-OH-alprazolam	Benzodiazepines LC-AJS/LC-MSMS	27.03%	k = 3, 99.73%
alprazolam	Benzodiazepines LC-AJS/LC-MSMS	27.85%	k = 3, 99.73%
amitriptyline	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
amobarbital	Barbiturates GC-MS	26.31%	k = 3, 99.73%
amphetamine*	Amphetamines LC-MSMS	18.87%	k = 3, 99.73%
benzoylecgonine	Cocaine and Metabolites GC-MS	18.18%	k = 3, 99.73%
bupropion	Select Basic Drugs LC-MSMS	21.00%	k = 3, 99.73%
butalbital	Barbiturates GC-MS	26.31%	k = 3, 99.73%
carboxy-THC (delta-9)	Cannabinoids LC-MSMS	21.66%	k = 3, 99.73%
chlordiazepoxide	Benzodiazepines LC-AJS/LC-MSMS	24.17%	k = 3, 99.73%
citalopram	Select Basic Drugs LC-MSMS	25.83%	k = 3, 99.73%
clomipramine	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
clonazepam	Benzodiazepines LC-AJS/LC-MSMS	28.55%	k = 3, 99.73%
cocaethylene	Cocaine and Metabolites GC-MS	18.18%	k = 3, 99.73%
cocaine	Cocaine and Metabolites GC-MS	18.18%	k = 3, 99.73%
codeine	Opiates LC-MSMS	24.81%	k = 3, 99.73%
cyclobenzaprine	Select Basic Drugs LC-MSMS	18.54%	k = 3, 99.73%
desalkylflurazepam	Benzodiazepines LC-AJS/LC-MSMS	27.11%	k = 3, 99.73%
desipramine	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
desmethylclomipramine	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
desmethyldoxepin	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
dextromethorphan	Select Basic Drugs GC-MS/NPD	28.38%	k = 3, 99.73%
diazepam	Benzodiazepines LC-AJS/LC-MSMS	22.58%	k = 3, 99.73%
diphenhydramine	Select Basic Drugs GC-MS/NPD	28.38%	k = 3, 99.73%
doxepin	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
estazolam	Benzodiazepines LC-AJS/LC-MSMS	26.86%	k = 3, 99.73%
ethanol	Headspace GC - prior to 10/2/2023	8.20%	k = 3, 99.73%
ethanol	Headspace GC - 10/2/2023 forward	8.90%	k = 3, 99.73%
etizolam	Benzodiazepines LC-AJS/LC-MSMS	28.94%	k = 3, 99.73%
fentanyl	Fentanyl/Norfentanyl LC-MSMS	46.83%	k = 3, 99.73%
flunitrazepam	Benzodiazepines LC-AJS/LC-MSMS	26.13%	k = 3, 99.73%
fluoxetine	Selective Serotonin Reuptake Inhibitors by GC-MS	20.31%	k = 3, 99.73%
flurazepam	Benzodiazepines LC-AJS/LC-MSMS	23.99%	k = 3, 99.73%
gabapentin	Pregabalin/Gabapentin LC-MSMS	32.48%	k = 3, 99.73%
hydrocodone	Opiates LC-MSMS	24.81%	k = 3, 99.73%
hydromorphone	Opiates LC-MSMS	24.81%	k = 3, 99.73%
imipramine	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
isopropanol	Headspace GC	11.44%	k = 3, 99.73%
lorazepam	Benzodiazepines LC-AJS/LC-MSMS	25.19%	k = 3, 99.73%
MDA*	Amphetamines LC-MSMS	20.55%	k = 3, 99.73%
MDMA*	Amphetamines LC-MSMS	19.23%	k = 3, 99.73%
methadone	Methadone LC-MS	26.94%	k = 3, 99.73%
methamphetamine*	Amphetamines LC-MSMS	18.99%	k = 3, 99.73%
methanol	Headspace GC	13.51%	k = 3, 99.73%
midazolam	Benzodiazepines LC-AJS/LC-MSMS	23.72%	k = 3, 99.73%
morphine	Opiates LC-MSMS	24.81%	k = 3, 99.73%
nordiazepam	Benzodiazepines LC-AJS/LC-MSMS	26.66%	k = 3, 99.73%
norfluoxetine	Selective Serotonin Reuptake Inhibitors by GC-MS	20.31%	k = 3, 99.73%
nortriptyline	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
o-desmethylvenlafaxine	Select Basic Drugs LC-MSMS	21.09%	k = 3, 99.73%
oxazepam	Benzodiazepines LC-AJS/LC-MSMS	23.50%	k = 3, 99.73%
oxycodone	Opiates LC-MSMS	24.81%	k = 3, 99.73%
oxymorphone	Opiates LC-MSMS	24.81%	k = 3, 99.73%
pentobarbital	Barbiturates GC-MS	26.31%	k = 3, 99.73%
phencyclidine	Phencyclidine GC-MS	23.49%	k = 3, 99.73%
phenobarbital	Barbiturates GC-MS	26.31%	k = 3, 99.73%
pregabalin	Pregabalin/Gabapentin LC-MSMS	25.79%	k = 3, 99.73%
pseudoephedrine*	Amphetamines LC-MSMS	22.29%	k = 3, 99.73%
quetiapine	Benzodiazepines and Quetiapine LC-MSMS	contact the laboratory	
secobarbital	Barbiturates GC-MS	26.31%	k = 3, 99.73%
temazepam	Benzodiazepines LC-AJS/LC-MSMS	26.66%	k = 3, 99.73%
THC (delta-9)	Cannabinoids LC-MSMS	26.00%	k = 3, 99.73%
tramadol	Basic Drugs GC-MS/NPD	28.38%	k = 3, 99.73%
trazodone	Trazodone LC-MS	18.69%	k = 3, 99.73%
triazolam	Benzodiazepines and Quetiapine LC-MSMS	23.13%	k = 3, 99.73%
trimipramine	Tricyclic Antidepressants LC-MSMS	19.35%	k = 3, 99.73%
venlafaxine	Select Basic Drugs LC-MSMS	22.68%	k = 3, 99.73%

NOTE: Measurement uncertainty for ethanol and THC appear on the Toxicology Test Report. Measurement uncertainty for other drug results may be requested from the laboratory for an individual case.

*Contact the Laboratory for measurement uncertainty for amines analytes for testing performed at the Federal Way laboratory location.