

Drug Checking in Vancouver Coastal Health January 2019

This report summarizes key indicators for Fourier Transform Infrared (FT-IR)/fentanyl test strip combination drug checking done in Vancouver Coastal Health in January 2019.

As the FT-IR spectrometer has a detection limit of 3-4% by weight (Sherman 2018), unless otherwise stated, a drug check on any given sample consists of **both** Bruker ALPHA Fourier-Transform Infrared (FT-IR) spectrometer **and** BTNX fentanyl immunoassay test strip testing done in combination. When applicable, BTNX benzodiazepine or lysergic acid diethylamide (LSD) immunoassay test strips were also used.

Please note that these data are not finalized and are subject to change.

- In January 2019, 530 drug checks were completed on samples in Vancouver Coastal Health. Drug checking was performed at the following sites:
 - Insite
 - Molson OPS
 - St. Paul's Hospital OPS
- Powell Street Getaway
- SisterSpace
- The majority of samples tested were expected by clients to be either opioids (357 or 67.4%), stimulants (75 or 14.2%), or psychedelics (39 or 7.4%).

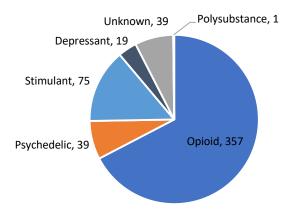


Figure 1. Number of drug checks performed in Vancouver, in January 2019, by expected drug category

Depressant may include: benzodiazepines, GHB, zopiclone

Opioid may include: "down," heroin, fentanyl, fentanyl analogues, pharmaceutical opioids

Polysubstance includes: cross-category mixtures

Psychedelic may include: 2C-family, tryptamines, ketamine, MDMA, LSD, cannabis

Stimulant may include: "speed", crystal meth, cocaine, cathinones

Unknown includes: all samples in which the client could not identify the expected substance











Figure 2. Number of samples that matched client expectation using FTIR/test strip drug checking in Vancouver Coastal Health in January 2019, by expected drug category

	Depressant	Opioid	Polysubstance	Psychedelic	Stimulant	Unknown	Total
True	13	318	1	35	70	0	437
False	6	34	0	2	3	0	45
N/A	0	5	0	2	2	39	48
Total	19	357	1	39	75	39	530

Please note that the presence of the expected substance does not imply purity, as samples frequently contain adulterating cutting agents

Figure 3. Number of opioid samples that matched client expectation using FTIR/test strip drug checking in Vancouver Coastal Health in January 2019, by expected drug

		Fentanyl	Heroin	Fentanyl & Heroin	Fentanyl analogue	Pharmaceutical	'Down'*	Total
	True	237	15	2	1	0	63	318
	False	13	11	3	1	2	4	34
	N/A	2	0	0	0	2	1	5
	Total	252	26	5	2	4	68	357

Please note that the presence of the expected substance does not imply purity, as samples frequently contain adulterating cutting agents

- 217 opioid samples (60.8%) tested positive for fentanyl using the FT-IR spectrometer
- The total fentanyl positivity rate in opioid samples was 89.1%
- Of the 75 stimulant samples and 39 psychedelic samples, none tested positive for fentanyl using the FT-IR spectrometer or test strips









^{*&#}x27;Down' can refer to any opioid drug present in any amount



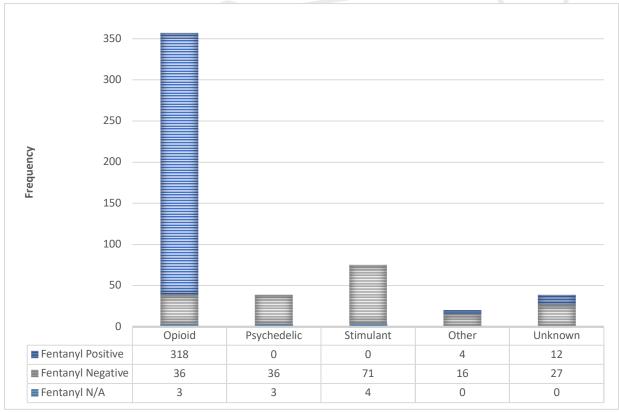


Figure 4. Number of drug checking samples that tested positive and negative for fentanyl in Vancouver Coastal Health in January 2019, by expected drug category

Figure 5. Public he	ure 5. Public health notifications of drug checking results in Vancouver in January 2019						
Date & Location	Expected Drug	FT-IR Drugs Detected	Fentanyl Strip	Lab Analysis	Outcome		
8-Jan 2019 MOPS	'Down'	AMB-FUBINACA	Positive	N/A (MOPS)	RADAR alert		
10-Jan 2019 MOPS	Alprazolam (Xanax)	None	Positive	N/A (MOPS)	Email notification		
14-Jan 2019 Insite	'Down'	AMB-FUBINACA	Positive	TBD	RADAR alert		
15-Jan 2019 MOPS	Alprazolam (Xanax)	None	Positive	N/A (MOPS)	Email notification		
23-Jan 2019 Insite	Unknown	N-ethylpentylone & trace MDMA	Negative	TBD	RADAR alert		





