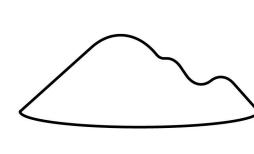
CONFIRMATORY ID USING GC/MS

Gas Chromatography/Mass Spectrometry (GC/MS) is considered the 'gold standard' when it comes to confirmatory chemical identification of trace and bulk samples.

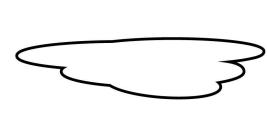
Here's how on-site GC/MS can help provide critical information within minutes when a scenario suggests a need for confirmatory identification.

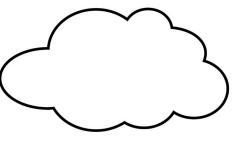
1. SAMPLING

GC/MS can sample all phases of matter







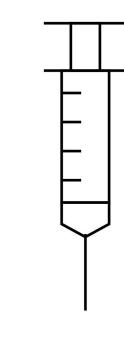


GAS

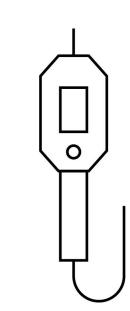
Each type of matter calls for a different sampling technique



SOLVENT EXTRACTION



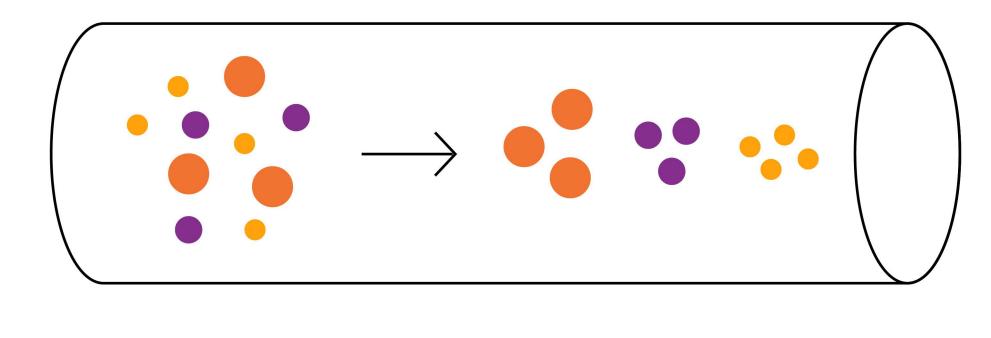
DIRECT INJECTION



SAMPLE PROBE

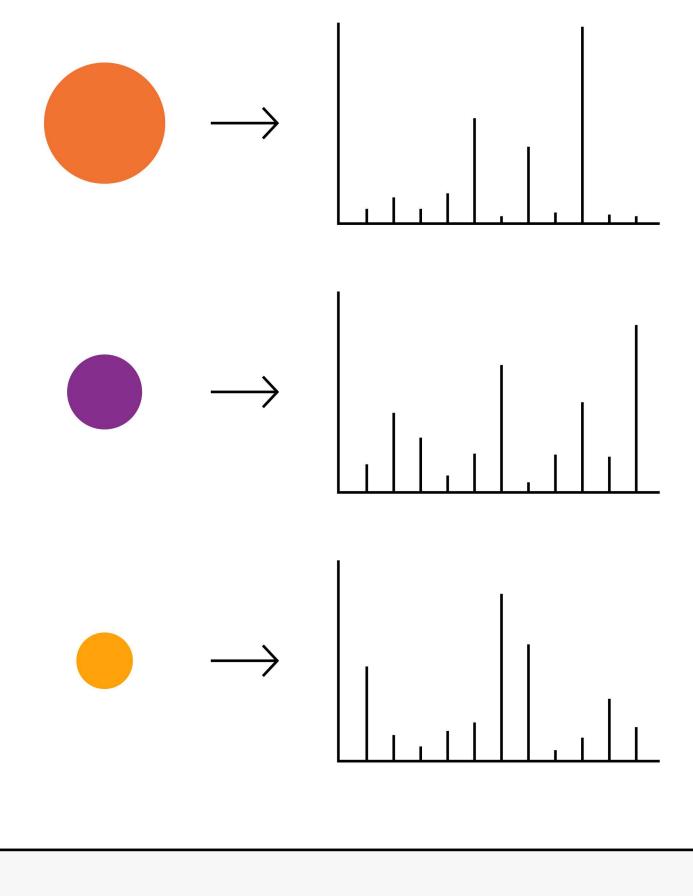
2. SEPARATION

A Gas Chromatograph on the front of a Mass Spectrometer separates an unknown sample into individual targets



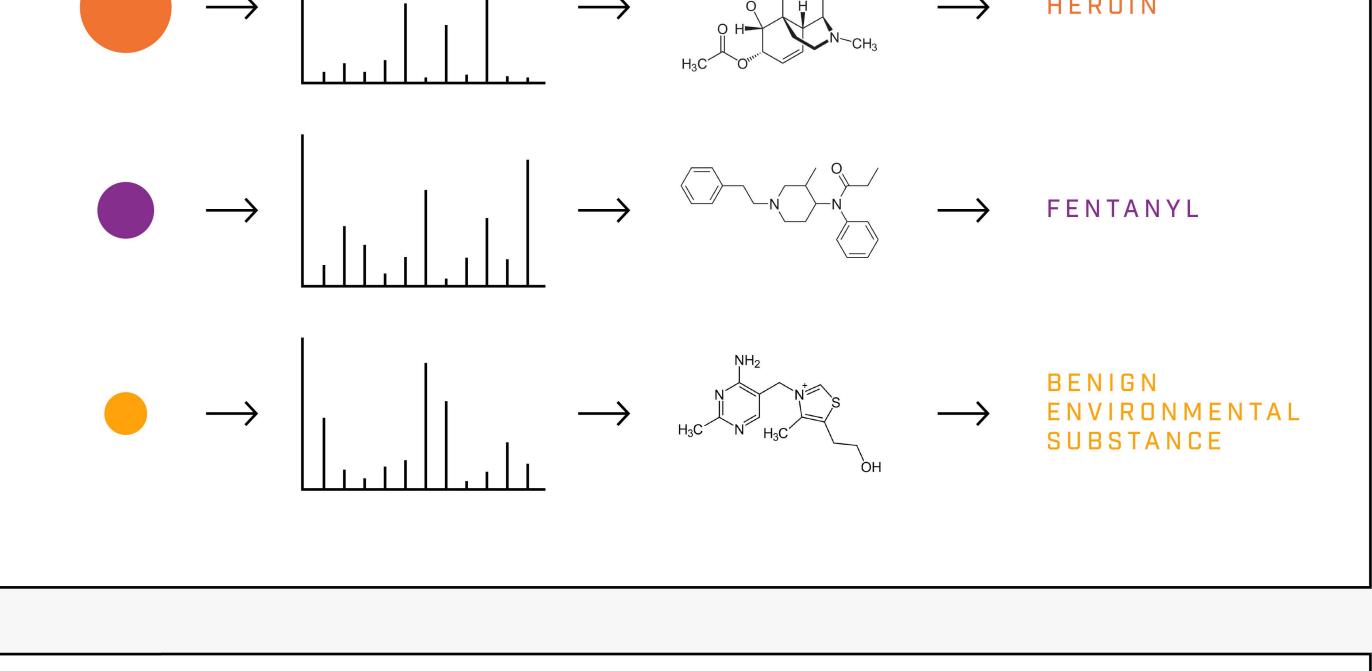
3. ANALYSIS

Each separated target is analyzed in the Mass Spectrometer and "chemical fingerprints" are determined



Each "chemical fingerprint" is matched against a library of known targets and their identity is confirmed

4. IDENTIFICATION



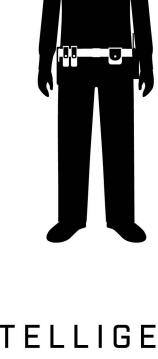
5. ACTION

Confirmatory identification provides actionable information to guide emergency responders and professionals in determining the appropriate next steps.

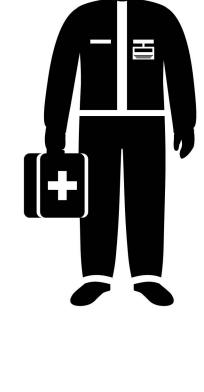


ENVIRONMENT

REMEDIATION



INTELLIGENCE GATHERING



MEDICAL ATTENTION

