

Summary of Experiment:

This dataset includes TD-GC/MS results from coated filter paper exposed to the headspace of seized fentanyl samples from the Maryland State Police (MSP) to evaluate field applicability of the sampling approach.

The dataset also includes GC/MS calibration curves for NPPA quantification. NPPA mass captured on one-quarter of the filter paper was used as a metric of preconcentration efficiency.

Definitions:

- NPPA – N-Phenylpropanamide
- TD-GC/MS – Thermal Desorption-Gas Chromatography/Mass Spectrometry
- Quarter filter mass – NPPA mass detected from one-fourth of the coated filter paper.
- STD / RSD – Standard deviation and relative standard deviation of replicate measurements.
- Peak Area – Integrated chromatographic signal corresponding to NPPA abundance.