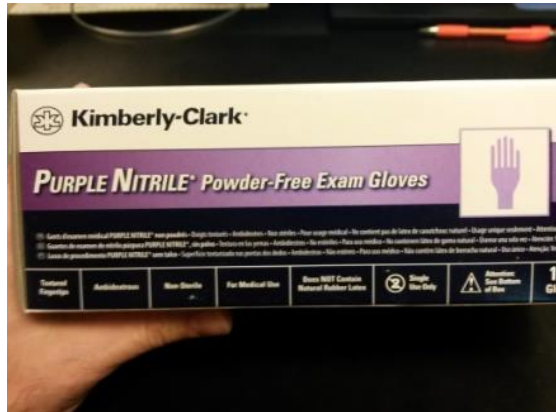


# Indianapolis Museum of Art – Material Analysis Sheet

Material:

Kimberly Clark Purple Nitrile Gloves

Acrylonitrile-butadiene copolymer



Oddy:

Pass to Temporary

N = 3; measured 3/2016 to 7/2016



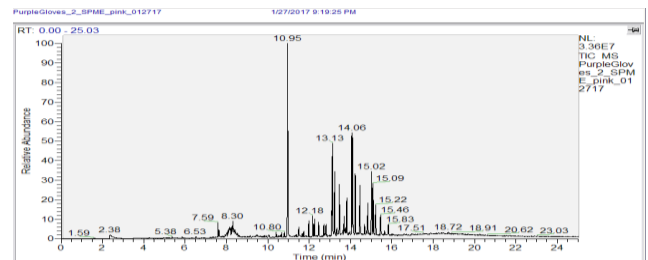
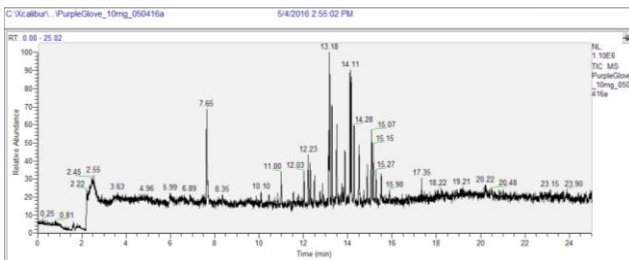
Notes: Some reddish discoloration on the copper coupon

**Evolved-Gas Analysis:**

EGA reveals the presence of carbon disulfide, likely residual solvent used in the manufacture of the gloves, at 2.45 minutes. Also detected are 4-cyanocyclohexene (7.65 min) and various hydrocarbons (11 to 17 min).

**SPME Analysis:**

SPME shows 4-cyanocyclohexene at 7.59, 2,4,7,9-tetramethyl-5-decyn-4,7-diol at 10.95, and varying lengths hydrocarbons with benzene rings from 12 to 16.



**Microchemical Tests:**

Azide: **F**

Chromatropic Acid: **F**

Iodide/Iodate: **P**