

# Indianapolis Museum of Art – Material Analysis Sheet

Material:

BenM Aura Eggshell Paint, Cured

Oddy:

Pass to Temporary

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

Polystyrene acrylate ester



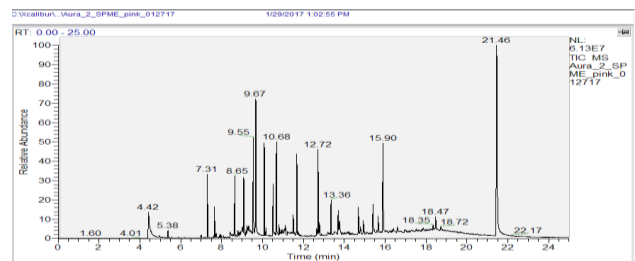
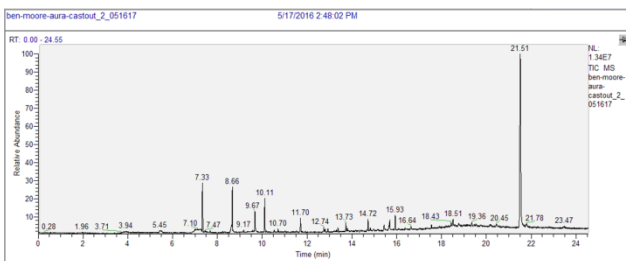
Notes: Some haziness on copper along with cloudy appearance on lead.

### Evolved-Gas Analysis:

EGA reveals the presence of siloxane oligomers at 7.33, 8.66, 10.11, and 11.71, ethriol at 9.67, long chain hydrocarbons from 13 to 16. The large peak at 21.51 is the solvent used, 2-ethylhexanoic acid, diester with triethylene.

### SPME Analysis:

SPME showed (S)-N,N'-dimethyl-1,2-propanediamine at 4.42, siloxane oligomers from 7 to 11, hydrocarbons from 13 to 16, and hexanoic acid, ethyl-, diester with triethylene glycol at 21.46.



### Microchemical Tests:

Azide: **F**

Chromatropic Acid: **P**

Iodide/Iodate: **P**