

Indianapolis Museum of Art – Material Analysis Sheet

Material:

Clean Seal Adhesive Teardrop Gasket

Polydimethylsiloxane



Oddy:

Pass

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



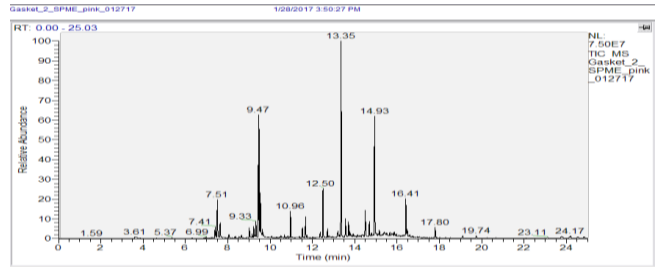
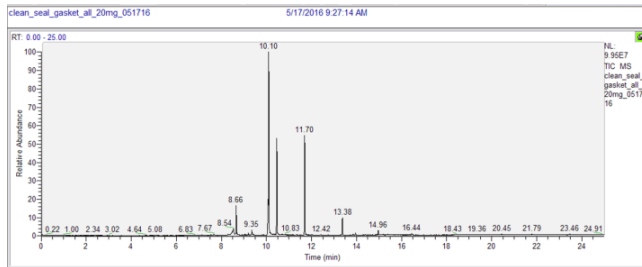
Evolved-Gas Analysis:

EGA reveals the presence of chlorobenzene at 7.54, dodecamethylcyclohexasiloxane at 10.1, 2,5-dimethylhexane-2,5-hydroperoxide at 10.45, a silicone heptamer and oligomer at 11.7 and 13.38

SPME Analysis:

SPME shows 1-(2-methoxypropoxy)-2-propanol at 7.51, 2,4-diethyl-6-methyl-1,3,5-trioxane at 9.47, 2,4,7,9-tetramethyl-5-decyne-4,7-diol at 10.96, and siloxane oligomers from 13 to 18.

Notes:



Microchemical Tests:

Azide: **P**

Chromatropic Acid: **P**

Iodide/Iodate: **P**