COMPONENTS:	ORIGINAL MEASUREMENTS:
(1) 1-Phenylhexane; $C_{12}H_{18}$; [1077-16-3] (2) Water; H_2O; [7732-18-5]	Krasnoshchekova, R.Ya.; Gubergrits, M.Ya. *Vodnye. Resursy.* 1975, *2*, 170-3.
VARIABLES:	**PREPARED BY:**
One temperature: 25°C	A. Maczynski

EXPERIMENTAL VALUES:

The solubility of 1-phenylhexane in water at 25°C was reported to be 0.0021 mg(1) cm^{-3} sln.
The corresponding mass percent and mole fraction, x_1, calculated by the compiler are 0.00021 g(1)/100 g sln and 2.4 x 10^{-7}. The assumption that 1.00 L sln = 1.00 kg sln was used in the calculation.

AUXILIARY INFORMATION

METHOD/APPARATUS/PROCEDURE:	SOURCE AND PURITY OF MATERIALS:
The solubility of (1) in (2) was determined by glc. A Czech-made Chrom-2 chromatograph was used, equipped with a 5% Apiezon L/Chromosorb G column operated at 90-140°C.	(1) described in ref (1). (2) distilled.
	ESTIMATED ERROR: temp. ± 1°C
	REFERENCES: 1. Krasnoshchekova, P.Ya.; Gubergrits, M.Ya. *Neftekhimiya* 1973, *13*, 885.