

COMPONENTS: (1) 2-Ethyl-1,3,5-trimethylbenzene; $C_{11}H_{16}$; [3982-67-0] (2) Water; H_2O ; [7732-18-5]	ORIGINAL MEASUREMENTS: Englin, B.A.; Plate, A.F.; Tugolukov, V.M.; Pryanishnikova, M.A. <i>Khim. Tekhnol. Topl. Masel</i> <u>1965</u> , 10, 42-6.												
VARIABLES: Temperature: 20-40°C	PREPARED BY: A. Maczynski and Z. Maczynska												
EXPERIMENTAL VALUES: Solubility of Water in 2-Ethyl-1,3,5-trimethylbenzene <table border="1" data-bbox="289 580 1043 735"> <thead> <tr> <th>$t/^\circ C$</th> <th>$g(2)/100\text{ g sln}$</th> <th>$10^3 x_2$ (compiler)</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>0.0259</td> <td>2.13</td> </tr> <tr> <td>30</td> <td>0.0350</td> <td>2.87</td> </tr> <tr> <td>40</td> <td>0.0461</td> <td>3.78</td> </tr> </tbody> </table>		$t/^\circ C$	$g(2)/100\text{ g sln}$	$10^3 x_2$ (compiler)	20	0.0259	2.13	30	0.0350	2.87	40	0.0461	3.78
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AUXILIARY INFORMATION													
METHOD/APPARATUS/PROCEDURE: Component (1) was introduced into a thermostatted flask and saturated for 5 hr. with (2). Next, calcium hydride was added and the evolving hydrogen volume measured and hence the concentration of (2) in (1) was evaluated.	SOURCE AND PURITY OF MATERIALS: (1) Not specified. (2) Not specified. ESTIMATED ERROR: Not specified. REFERENCES:												