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**7 August 1973**

**Committee E15 on Industrial and Specialty Chemicals  
Subcommittee E15.02 on Product Standards**

**Research Report E15-1018**

**Supporting Data for ASTM E506, Standard Test Method for Mercury  
in Liquid Chlorine**

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I N T E R - O F F I C E M E M O

TO Dolores Collyer

DATE July 26, 1973

FROM Earl Sullivan

SUBJECT Supporting Data

Please find attached the supporting data (interlaboratory data) for the new Standard Method of Test for Mercury in Liquid Chlorine which was just submitted for a Society ballot.

  
Earl R. Sullivan

ERS:ggk  
Encl.

*E506*

*E-15*

*RR 10/8*

Mercury in Chlorine

Summary of Data

<u>Sample</u>	<u>No. 1</u>	<u>No. 2</u>	<u>Pooled*</u>
<u>Average Content, ppm</u>	0.00091	0.00083	
<u>Suspect Laboratories:</u>			
Runs	None	None	
Days	None	None	
Lab Average	None	None	
<u>Duplicates:</u>			
Degrees of Freedom (DF)	13	12	25
Standard Deviation (S)	0.00015	0.00060	0.00042
Coefficient of Variation (% CU)	16.20	72.75	--
<u>Within Laboratory:</u>			
Degrees of Freedom (DF)	7	6	13
Standard Deviation (Sa)	0.00033	0.00045	0.00040
Coefficient of Variation (% CU)	36.62	54.19	--
<u>Among Laboratories:</u>			
Degrees of Freedom (DF)	6	5	6
Standard Deviation (Sa + b)	0.00044	0.00042	0.00043
Coefficient of Variation (% CU)	49.30	50.72	--

\* See E 180-67, Section E2.1.6