CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2001
DateRun:	12/23/2001
Experimenters:	Purav Dave
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Aluminum
PartType:	Coupon
Contaminants:	Inks
Cleaning Methods:	Immersion/Soak
Analytical Methods:	Gravimetric
Purpose:	Laboratory evaluations of alternative cleaning products
Experimental Procedure:	Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning. Cleaning: 5 min. immersion cleaning at 120 F with stir-bar agitation. Rinsing : 1/2 min. manual rinsing in water at 120 F . Drying : 1 min. using heat gun at 500 F Contaminant : Ink-ITW Dykem Corp.-Ink steel blue DK100 Cas # : 64175, 123864 ,71363
Results:	Ink could be visually seen on the coupons. In SC 431 the clear layer of detergent could be seen on the water, so it does not mix well with the water.

Summary:

Substrates:	Aluminum				
Contaminants:	Inks				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Alconox Inc	Alcojet	1	9.71	☐	
Buckeye International	Shopmaster FF	5	4.50	☐	
Buckeye International	Shopmaster HP	5	-26.55	☐	Increase in wieght due to water take up by ink.
Buckeye International	Shopmaster LPH	5	3.50	☐	
Calgon Corporation	SC 431	5	7.74	☐	
Buckeye International	Immersion Cleaner	5	1.06	☐	
Brulin Corporation	Aquavantage 1400	5	-12.28	☐	Increase in wieght due to water take up by ink.

Conclusion: No removal of ink by the given detergents.