CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 08/15/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

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 with stir-bar agitation @ Room Temp 68 F
Rinsing: 1/2 min, manual, in 68 F water (tap)
Drying: 1 min with heat gun @ 500F
Contaminant: ITW, Dykem Corp, Ink, Steel Blue - DX - 100
CAS#'s 64175, 123864, 71363, 9004700, 67630, 8004873

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Inks				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Oakite Products	Inproclean 3800	50	1.37	☐	
Magnaflux	Daraclean 121	50	4.10	☐	
AG Environmental Products	Soy Gold 2000	100	-49.43	☐	
EcoLink	Safe Strip	100	101.33	☑	
Savogran Company	SI #4 Coating Remover	100	100.08	☑	
Bio Chem Systems	Bio T Max	100	37.52	☐	

Conclusion: Two products were effective of the * tested, Ecolink Safestrip and Savogran SI# 4. They were 101.33 & 100.08 % effective respectively. The SI#4 is very thick and was not able to be stirred at 100% with a stir-bar and needed more than just manual rinse. It should either be a wipe or a spray rinse. There were also 3 products that added weight to the coupons, 2 significant weights: Soygold 2000 & ME 1612.