CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 10/05/2003

Experimenters: Dave Hout

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Adhesive

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.

Five products were used at full strength at room temperature and three were heated to 130 F on a hot plate. Twenty-four preweighed coupons were coated with Re: Source Technologies Grid Set Green Blue 2000 (7732-18-4; 25212-88-8; 1310-58-3; 68649-38-7) and allowed to dry overnight and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated.

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Adhesive				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
National Diagnostic	Histo Clear	100	-13.50	☐	
Transene Company, Inc.	D Greeze 1000	100	25.36	☐	
Finger Lakes Chemical	Safer Stuff	100	30.49	☐	
Universal Reniglngsmitel - Mulder Hardenberg	RST 5	100	30.80	☐	
Magnaflux	Daraclean 235	5	25.55	☐	
Sky Products Company Inc	Cleaner #10	5	32.30	☐	
US Polychem Corporation	Polychem A 2000 P	5	28.69	☐	
Universal Photonics	Uni Clear	100	-61.27	☐	

Conclusion: No products were effective at removing the adhesive.