CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/31/2003

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Greases

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 @ 120 F
Rinsing: 1/2 min, manual, in 102 F water (tap)
Drying: 1 min with heat gun @ 500F
Contaminant: StaPlex Premium Red Grease. Cas# 64742-65-0, 64741-96-4, 15337-18-5, 1620-77-1

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Greases				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Florida Chemical Company	Citrus Burst 7	100	99.50	☑	
Florida Chemical Company	D-Limonene	100	99.99	☑	
Bio Chem Systems	Bio T Max	100	100.08	☑	
Brulin Corporation	Nature Sol 100	100	97.69	☑	
Twin Rivers Technologies	Methyl Ester 1618	100	88.58	☑	oily residue
AG Environmental Products	Canola Gold CE110	100	95.54	☑	
AG Environmental Products	Soy Gold 1000	100	83.83	☐	Oily residue. Also try changing rinse and drying methods to increase efficiency.
AG Environmental Products	Soy Gold 2000	100	94.03	☑	
AG Environmental Products	Soy Clear 1500	100	92.73	☑	
United Laboratories International	United 2002 Harvest Gold	100	90.54	☑	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	100.18	☑	
EcoLink	Vortex	100	98.23	☑	
Finger Lakes Chemical	2-22 D Limonene Industrial Cleaner	100	99.81	☑	

Conclusion: