CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2002

DateRun: 09/05/2002

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids

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, ambient
Rinsing: 1/2 min, manual, in 120F water (tap), ambient
Drying: 1 min with heat gun @ 500F
Contaminant: Steco Corp, Tap Magic Protap (cutting fluid)
CAS# 112-80-1(>75%) Aliphatic organic acid
112-62-9 (<15%) Aliphatic organic ester

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
EcoLink	Bulldog	5	97.82	☑	
Innovative Organics Inc	Amberclean Q3	5	93.31	☑	
AG Environmental Products	Soy Clear 1500	100	88.52	☑	
AG Environmental Products	Canola Gold CE110	100	91.98	☑	
Phase III Inc	California Parts Washer Solution	5	95.70	☑	
PCI of America	Hurrisafe 9575	5	96.88	☑	

Conclusion: The heated wash and rinse increased the effectiveness of all the cleaners.