CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2003
DateRun:	03/26/2003
Experimenters:	Heidi Wilcox
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Stainless Steel
PartType:	Coupon
Contaminants:	Waxes
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: Beeswax
Results:	Using immersion cleaning for five minutes resulted in four products removing all the beeswax, one removed 99% and the last product removed 85%.

Summary:

Substrates:	Stainless Steel				
Contaminants:	Waxes				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Florida Chemical Company	Citrus Burst 7	100	100.75	☑	
Florida Chemical Company	D-Limonene	100	99.10	☑	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	85.10	☑	
Pentone Corporation	Citrikleen XPC	100	100.07	☑	
Inland Technologies Inc	Citrasafe	100	100.37	☑	
EcoLink	Vortex	100	100.44	☑	

Conclusion: All products evaluated were found to be effective at removing the beeswax.