CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 03/30/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Brass

PartType: Coupon

Contaminants: Buffing/Polishing Compounds

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: 30 seconds air blow off, 68 F
Contaminant: Buffing compound, Jackson Lea Antique buffing CAS# 9000-70-8, 1344-28-1, 409-21-2, 1309-37-1)

Results:

Summary:

Substrates:	Brass				
Contaminants:	Buffing/Polishing Compounds				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Metabolix Inc	Metabolix E3HB	100	2.40	☐	
Florida Chemical Company	Citrus Burst 7	100	1.25	☐	
Florida Chemical Company	D-Limonene	100	22.56	☐	
Twin Rivers Technologies	Methyl Ester 1618	100	-9.92	☐	
AG Environmental Products	Canola Gold CE110	100	-4.45	☐	
AG Environmental Products	Soy Clear 1500	100	-4.53	☐	
Vertec BioSolvents	Take Off Green	100	15.35	☐	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	-1.57	☐	
Pentone Corporation	Citrikleen XPC	100	-1.04	☐	

Conclusion: After cleaning, wiping was performed to see if efficiencies would increase significantly. Trial 254 shows these results.