CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2003

DateRun: 04/09/2003

Experimenters: Jason Marshall

ClientType: Lab

ProjectNumber: Project #1

Substrates: Stainless Steel

PartType: Coupon

Contaminants: Paints

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: Bowman Dist Semi-Gloss Black Enamel Paint
CAS# 67-64-1, 1330-20-7, 64-17-5, 763-69-9

Results:

Summary:

Substrates:	Stainless Steel				
Contaminants:	Paints				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Metabolix Inc	Metabolix E3HB	100	95.81	☑	
Florida Chemical Company	Citrus Burst 7	100	95.45	☑	
Florida Chemical Company	D-Limonene	100	99.61	☑	
Bio Chem Systems	Bio T 300 B	100	98.34	☑	
Brulin Corporation	Nature Sol 100	100	98.34	☑	
Twin Rivers Technologies	Methyl Ester 1618	100	100.58	☑	
AG Environmental Products	Canola Gold CE110	100	86.32	☑	
AG Environmental Products	Soy Gold 1000	100	93.09	☑	
AG Environmental Products	Soy Gold 2000	100	87.14	☑	
AG Environmental Products	Soy Clear 1500	100	87.02	☑	
United Laboratories International	United 2002 Harvest Gold	100	82.12	☐	
Vertec BioSolvents	VertecBio Gold Unscented Part Cleaner	100	89.97	☑	
Inland Technologies Inc	Citrasafe	100	99.92	☑	
Finger Lakes Chemical	2-22 D Limonene Industrial Cleaner	100	99.48	☑	
EcoLink	Vortex	100	99.79	☑	

Conclusion: Did second test on some coupons using wiping with paper towel to increase efficiency.