CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2002
DateRun:	01/10/2002
Experimenters:	Heidi Wilcox
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Aluminum
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 Rinsing: 1/2 min, manual, in 102 F water (tap) Drying : 1 min with heatg un @ 500F Contaminant: Steco Corp, Tap Magic Protap (cutting Fluid) CAS# 112-80-1
Results:	Low Foam: The high removal rate may mean that there were contaminants on the coupon at the beginning of the trial and this cleaner removed the added and background contaminant.

Summary:

Substrates:	Aluminum				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Kleer Flo Company	Grease Off 2	5	96.30	☐	
Valtech Corporation	Valtron SP 2201	5	92.86	☑	
Valtech Corporation	Valtron SP 2200	5	99.25	☑	
Permatex Industrial Corporation	Natural Blue	5	98.12	☑	
International Products Corporation	LF 2100 (Liquid Foam Cleaner)	5	101.00	☑	
US Polychem Corporation	Polychem PW 147	5	98.98	☑	

Conclusion: All cleaners were effective (>93%)