CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2002
DateRun:	01/17/2002
Experimenters:	Heidi Wilcox
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Alloys
PartType:	Coupon
Contaminants:	Inks
Cleaning Methods:	Ultrasonics
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. Degasing: Degasing the solution by keeping solutions in ultrasonic crest for 5 min at 120 F. Cleaning: Ultrasonic for 2 min. at 120 F. Rinsing: 1/2 min. manual with water at 120 F. Contaminant: ITW, Dykem Corp, Ink, Steel Blue - DX - 100
Results:	

Summary:

Substrates:	Alloys				
Contaminants:	Inks				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Valtech Corporation	Valtron SP 2201	5	12.86	☐	
Kleer Flo Company	Grease Off 2	5	18.57	☐	
Valtech Corporation	Valtron SP 2200	2	26.68	☐	
International Products Corporation	LF 2100 (Liquid Foam Cleaner)	5	-20.67	☐	
US Polychem Corporation	Polychem PW 147	5	104.00	☑	

Conclusion: Only Perfect way 147 was found to be effective with 104% removal on average. This differs from trial 147, where the same ultrasonics and cleaners were used (except for Natural Blue was used in Trial 147) after 5-minute immersion cleaning in trial 145.