CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2002
DateRun:	01/15/2002
Experimenters:	Purav Dave
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Stainless Steel
PartType:	Coupon
Contaminants:	Cutting/Tapping Fluids, Inks, Paints
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. Degasification: 5 min. in ultrasonic crest at 120 F. Cleaning: 2 min. in ultrasonic at 120 F. Rinsing : 1/2 min. manual in water at 120 F. Drying : 1 min. with heat gun at 500 F. Contaminant: 1. Citco cutting oil-NC-425 (64742-65-0, 64741-88-4, 64741-89-5, 64742-54-7) 2. Paint - Diversy WB Filmite-Paint Maskant 3. Ink - ITW Dykem Corp. Ink steel blue DK 100 (64-17-5, 123-86-4, 71-36-3, 9004-70-0, 67-63-0, 8004-87-3)
Results:	

Summary:

Substrates:	Stainless Steel				
Contaminants:	Cutting/Tapping Fluids, Inks, Paints				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
AW Chesterton	181 Low Alkaline Cleaner	5	99.83	☑	
Calgon Corporation	Geo Guard 2000	5	30.20	☐	Ink
Simple Green	Crystal Simple Green Industrial Cleaner & Degreaser	5	99.66	☑	
Calgon Corporation	Geo Guard 2000	5	103.39	☑	cutting fluid

Conclusion: Geoguard failed to clean ink.