CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2005
DateRun:	08/08/2005
Experimenters:	Jason Marshall
ClientType:	Metal Finishing
ProjectNumber:	Project #1
Substrates:	Brass
PartType:	Part
Contaminants:	Buffing/Polishing Compounds
Cleaning Methods:	Immersion/Soak
Analytical Methods:	Photography, Visual
Purpose:	To evaluate three products for buffing compound removal using heated immersion cleaning.
Experimental Procedure:	Three products from the previous trial were selected based on their high efficiency removing the various buffing compounds. Each product, Ensolv, CCA and Lenium ES were poured into 250 ml glass beakers and placed on a stir-plate and heated to 105 F. Three brass parts presoiled with the brown buffing compound were photographed to establish the baseline level of contamination. One part was immersed into each solution and cleaned for 5 minutes at 105 F. Following cleaning, parts were photographed again and observations were made.
Results:	The Lenium ES was the most effective at the heated temperature and Ensolv was the next best. All three products removed more buffing compound with the heat than in the immersion at room temperature.

Summary:

Substrates:	Brass				
Contaminants:	Buffing/Polishing Compounds				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Enviro Tech International Inc	Ensolv	100	0.00	☑	
DuPont	Vertrel CCA	100	0.00	☑	
Petroferm Inc	Lenium ES	100	0.00	☑	Most effetive

Conclusion: The products worked very well with the heated immersion cleaning. Next steps will be to clean supplied parts using vapor degreasing.