CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2004
DateRun:	01/06/2004
Experimenters:	Dave Hout
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Stainless Steel
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. One product was heated to 130 F on a hot plate and two products were used at full strength. Nine preweighed coupons were coated with Cutting Fluid - Remi Corp ReLion and allowed to dry for a half an hour and reweighed. Three coupons were cleaned in each solution for 5 minutes using stir-bar-agitation, rinsed in a tap water bath for 15 seconds at 120 F and dried using air blow off for 30 seconds at 68 F. Coupons were allowed to dry for a half an hour and then reweighed a final time. Efficiencies were calculated.
Results:	

Summary:

Substrates:	Stainless Steel				
Contaminants:	Cutting/Tapping Fluids				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
BetzDearborne Laboratories Inc	Custom Clean N CC 2278	100	77.10	☐	
Chemtronics Inc	Super Bio Wash	100	86.63	☑	
Valtech Corporation	Valtron SP 2500	5	98.93	☑	

Conclusion: Two out of three products were effective at removing the contaminant at an efficiency rate of over 86%