CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2002
DateRun:	01/31/2002
Experimenters:	Heidi Wilcox
ClientType:	Lab
ProjectNumber:	Project #1
Substrates:	Stainless Steel
PartType:	Coupon
Contaminants:	Adhesive
Cleaning Methods:	Manual Wipe
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: Manually hand wiped coupons at ~ room temp of 68 F with paper towel, 3-4 times Rinsing: 1/2 min, manual, with tap water @ 120 F Drying: 1 min with heat gun at 500F Contaminant: Aroset PS 8078, Ashlan Chemical (Lot# 071901). Very thick adhesive
Results:	VG 151 Very effective. Gel consistency. Dissolved adhesive well. RST 5 Removed a good portion of the adhesive but it would have taken considerable manual work to remove the rest or another application to finish the removal. 1050 Magic removed some of adhesive. Would require considerable manual labor to remove the rest of the adhesive or another application of the cleaner with a longer soaking time. Westech CT 1550 Same is for RST 5 & 1050 Magic Fingerlakes Chemicals Same as previous 3 cleaners

Summary:

Substrates:	Stainless Steel				
Contaminants:	Adhesive				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
EcoLink	VG 151	100	99.95	☑	
Universal Reniglngsmitel - Mulder Hardenberg	RST 5	100	43.18	☐	
Chem Tech Solutions	1050 Magic	100	29.21	☐	
Chem Tech Solutions	Westech CT 1550	100	19.36	☐	

Conclusion: VG-151 was very effective. Used 5 cleaners that specifically stated they would work on adhesives and resins. The coupons used were from trial 159, 161 & 165 that were not able to be cleaned by immersion, ultrasonics or media blasting.