CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	1996
DateRun:	03/01/1996
Experimenters:	Jay Jankauskas
ClientType:	Precision Instrument Manufacturer
ProjectNumber:	Project #1
Substrates:	Stainless Steel
PartType:	Part
Contaminants:	Oil
Cleaning Methods:	Low Pressure Spray
Analytical Methods:	FTIR, OSEE
Purpose:	To evaluate part cleanliness
Experimental Procedure:	The purpose of this trial is to evaluate part cleanliness for Precision Instrument Manufacturer' old and new cleaning systems. All parts were analyzed with the lab's Magna IR 550 and the Photo Acoustics SQM100.
Results:	The FTIR analysis showed no difference in the cleanliness levels of all three cleaning processes.

Summary:

Substrates:	Stainless Steel				
Contaminants:	Oil				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Oakite Products	Oakite 77			☐	
New Pig Corporation	New Pig Degreaser			☐	

Conclusion: The OSEE results showed that the cleaning processes using the Oakite and the Pig chemistries produced slightly cleaner parts. The fact that a difference was noticed on the OSEE and not on the FTIR suggest that all processes are just as effective in removing organic contamination, while the Pig and the Oakite process are more effective in removing inorganic contamination.