CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	1998
DateRun:	10/21/1998
Experimenters:	Jason Marshall
ClientType:	Recycling
ProjectNumber:	Project #2
Substrates:	Glass/Quartz
PartType:	Part
Contaminants:	Adhesive
Cleaning Methods:	Immersion/Soak
Analytical Methods:	Visual
Purpose:	Glass was cut along the desired location in order to separate the leaded frit and the front unleaded section.
Experimental Procedure:	The back tip of the monitor was broken off to release the vacuum. The glass was cut along the desired location in order to separate the leaded frit and the front unleaded section. The part was placed into a bath of Citrinox (2%) at 150 F. The monitor was left in the heated bath for four minutes. At the end of this cycle, the monitor was placed into a tap water bath at room temperature for two minutes. The cycle was repeated as necessary for separation to take place. SUBSTRATE MATERIAL: Monitor screens with leaded and unleaded glass CONTAMINANTS: Frit and adhesive
Results:	When the screen was placed into the room temperature water, a popping sound was noted. Upon submersion into the hot bath solution, the front section of the bath was removed. Upon examination of the glass, it was noted that there was a definite layer separating the front unleaded glass from the back leaded section. See Figure 1 for representation. The breaking of the glass closely followed the cutting made prior to the soaking cycle. The amount of time needed for separation was far less than in previous tests.

Summary:

Substrates:	Glass/Quartz				
Contaminants:	Adhesive				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Alconox Inc	Citranox	2	0.00	☑	

Conclusion: Precutting the glass along the desired location resulted in a more desirable break. The screen used in this trial was different than previous tests. There was a distinct layer separating the two glass types. Future experiments may be done to compare the two types of screens tested so far.