

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1997
 DateRun: 12/15/1997
 Experimenters: Jason Marshall, Off Site
 ClientType: Gas Company
 ProjectNumber: Project #1
 Substrates: Stainless Steel
 PartType: Part
 Contaminants: Rust/Scale, Films
 Cleaning Methods: Supercritical Extraction
 Analytical Methods: Visual

Purpose: Determine if Supercritical CO2 would be effective

Experimental Procedure: Valves were sent to an outside vendor to clean using the Supercritical CO2 method.
 SUBSTRATE MATERIAL: Stainless Steel (Supplied from client)
 CONTAMINANTS: Salts, corrosive deposits

Results: The method selected proved to be an inadequate means for cleaning the parts. In fact, the method caused the valve to become more contaminated.

Summary:

Substrates:	Stainless Steel				
Contaminants:	Rust/Scale, Films				
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
No Specific Vendor	Carbon Dioxide Supercritical	100		<input type="checkbox"/>	

Conclusion: Using Supercritical CO2 extraction to clean the valves would not be an effective method and should not be considered.