

# 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:

<b>Substrates:</b>	Stainless Steel				
<b>Contaminants:</b>	Rust/Scale, Films				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
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.