

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2020  
 DateRun: 10/13/2020  
 Experimenters: Justin Kiander  
 ClientType:  
 ProjectNumber: Project #1  
 Substrates: Ceramics  
 PartType: Coupon  
 Contaminants: Hucker's Soil  
 Cleaning Methods: Mechanical Agitation  
 Analytical Methods: Gravimetric, Visual

Purpose: The purpose of this experiment was to repeat previous testing on ceramic substrates.

Experimental Procedure: Three ceramic coupons were obtained and weighed for each of the two cleaners being tested. Coupons were then soiled with Hucker's Soil, and the soil was allowed to dry for 2 hours. A dirty weight was obtained after the 2 hours had passed. Coupons were then placed into the Straight Line Wash (SLW) unit. The cleaner block and each coupon were sprayed with two pumps of their respective cleaners, 409 All Purpose Cleaner and Skrubbr both ready-to-use. The SLW unit was then run for 20 cycles to mimic 30 seconds of manual wiping. Coupons were then dried in air for 24 hours and a clean weight was obtained. Effectiveness of the cleaners was then determined.

Cleaner	Initial wt of cont.	Final wt of cont.	%Cont. Removed	%AVG
409 All Purpose	0.0621	0.0076	87.76	92.25
	0.0475	0.0031	93.47	
	0.0580	0.0026	95.52	
Skrubbr	0.0620	0.0031	95.00	97.74
	0.0717	0.0021	97.07	
	0.0694	-0.0008	101.15	

<b>Substrates:</b>		Ceramics			
<b>Contaminants:</b>		Hucker's Soil			
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Clorox Company	Formula 409 All Purpose Cleaner	RTU	92.25	<input checked="" type="checkbox"/>	
KOHI Plus	Skrubbr Multipurpose Cleaner	RTU	97.74	<input checked="" type="checkbox"/>	

Conclusion: Skrubbr was more effective at removing Hucker's Soil from ceramic coupons. Skrubbr removed an average of 97.74% compared to 409's removal average of 92.25%.