CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 06/06/2021

Experimenters: Ross Goding, Edward Judge

ClientType: Lab

ProjectNumber: Project #4

Substrates: Glass/Quartz, Other, Chrome

PartType: Coupon

Contaminants: Glass

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric, Visual

Purpose: To test the efficiency of Clorox Bathroom spray on the removal of glass soil from chrome, glass, and mirror substrates.

Experimental Procedure: Initial weights of each substrate (chrome, glass, mirror) were taken and subsequently soiled with 0.5 grams of Glass Soil. The Glass soil was allowed to dry for 24 hours before dirty weights of the coupons were taken. Each substrate was manually wiped using the SLW machine with the Clorox Bathroom cleaner. 2 sprays were added to each wipe and coupon. The SLW unit was used for 20 cycles. Final weights were taken an hour after coupons were cleaned.

Results:

Cleaner	Substrate	Coupon	Initial wt. of contamination	Final wt. of contamination	% Removal	Average % removal	Product removal
1	A	3	0.1045	0.0078	92.54	95.01	92.71
		8	0.2605	0.0074	97.16		
		24	0.1606	0.0075	95.33		
	B	18	0.0679	0.0005	99.26	95.80	
		16	0.2333	0.0217	90.70		
		45	0.102	0.0026	97.45		
	C	12	0.0531	0.0116	78.15	87.33	
		17	0.1025	0.009	91.22		
		5	0.1339	0.0099	92.61		

Summary:

Substrates:	Glass/Quartz, Other, Chrome				
Contaminants:	Glass				
Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Clorox Company	Disinfecting Bathroom Cleaner	100%	92.71	☑	Clorox Bathroom Cleaner was effective in the removal of Glass Soil from various substrates.

Conclusion: Overall, this product cleaned the Glass soil with an overall removal percentage of 92%. It removed soil from the glass substrate the best with an 96% removal rating. The product itself passes the level in which a product needs to perform as a cleaner which is above an 80% removal rating.