CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2021

DateRun: 06/06/2021

Experimenters: Ross Goding, Edward Judge

ClientType: Lab

ProjectNumber: Project #4

Substrates: Ceramics, Plastic, Painted metal

PartType: Coupon

Contaminants: Hucker's Soil

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric, Visual

Purpose: To test the efficiency of Clorox Bathroom spray on the removal of Huckers soil from ceramic, plastic, and painted steel substrates.

Experimental Procedure: Initial weights of each substrate (ceramic, plastic, painted metal) were taken and subsequently soiled with 0.5 grams of Huckers Soil. The Huckers soil was allowed to dry for 2 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	138	0.1073	0.0098	90.87	80.69	82.83
		12	0.0971	0.0121	87.54		
		8	0.1241	0.0451	63.66		
	B	210	0.1966	0.0059	97.00	85.35	
		7	0.2842	0.0156	94.51		
		14	0.1816	0.0644	64.54		
	C	4	0.1373	0.0227	83.47	82.45	
		24	0.1247	0.0039	96.87		
		14	0.1219	0.0402	67.02		

Summary:

Substrates:	Ceramics, Plastic, Painted metal
Contaminants:	Hucker's Soil

Company Name:	**Product Name:**	**Conc.:**	**Efficiency:**	**Effective:**	**Observations:**
Clorox Company	Disinfecting Bathroom Cleaner	100%	82.83	☑	Clorox Bathroom Cleaner was effective in the removal of Hucker's Soil from various substrates.

Conclusion: Overall, this product cleaned the Huckers soil, bathroom soil, and glass soil with an overall removal percentage of 83%. It removed soil from the plastic substrate the best with an 85% 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.