CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2021
DateRun:	11/03/2021
Experimenters:	Nicole Kebler
ClientType:	Lab
ProjectNumber:	Project #5
Substrates:	Ceramics, Plastic, Chrome
PartType:	Coupon
Contaminants:	Soaps
Cleaning Methods:	Manual Wipe
Analytical Methods:	Gravimetric, Visual
Purpose:	To evaluate Ever Spring for the removal of bathroom soil on ceramic, chrome and plastic substrates.
Experimental Procedure:	Three coupons of each substrate (ceramic, chrome and plastic) were collected and initial weights were taken. Bathroom soil was applied to each coupon and allowed to air dry for 24 hours. After the 24 hour dry time, the weights of the newly contaminated coupons were measured. All coupons were placed into a Straight-Line Washability (SLW) machine. A KC Wypall cleaning cloth was attached to the cleaning block used for the test. The Wypall cloth and all coupons received 2 sprays of the Ever Spring Cleaner and the SLW machine was run for 20 repetitions, simulating 20 manual wipes. Once cleaning concluded, the cleaned coupons were allowed to air dry for 24 hours. After 24 hours, the weights of the cleaned coupons were measured.
Results:	The Ever Spring cleaner was somewhat effective for the removal of bathroom soil on ceramic leaving minimal residue behind. It was 85% effective on plastic and performed worst on chrome at 73% effectiveness.

Substrate	Initial wt. of cont.	Final wt. of cont	Average	Combined Average
Ceramic	0.1070	0.0073	93.18	89.65
	0.1283	0.0104	91.89	
	0.1793	0.0289	83.88	
Chrome	0.1741	0.0709	59.28	73.00
	0.1296	0.0192	85.19	
	0.1815	0.0462	74.55	
Plastic	0.1379	0.0195	85.86	84.95
	0.1572	0.0213	86.45	
	0.1986	0.0347	82.53	

Summary:

Conclusion: Ever Spring was effective for the removal of bathroom cleaner on ceramic but not on chrome and plastic.