CLEANING LABORATORY EVALUATION SUMMARY

SCL #:	2021
DateRun:	11/08/2021
Experimenters:	Nicole Kebler
ClientType:	Lab
ProjectNumber:	Project #5
Substrates:	Glass/Quartz, Chrome
PartType:	Coupon
Contaminants:	Glass
Cleaning Methods:	Manual Wipe
Analytical Methods:	Gravimetric, Visual
Purpose:	To evaluate the removal of glass soil from chome mirror and glass using Puracy cleaner.
Experimental Procedure:	Three coupons of each substrate (glass, mirror and chrome) were collected and initial weights were taken. Glass 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 Puracy 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:	Puracy cleaner was effective for all three substrates. It was 97% effective for chrome and mirror and 96% effective for glass.

Substrate	Initial wt. of cont.	Final wt. of cont	Average	Combined Average
Chrome	0.0717	0.0048	93.31	97.07
	0.1170	0.0010	99.15	
	0.1357	0.0017	98.75	
Mirror	0.0594	0.0025	95.79	96.64
	0.0843	0.0012	98.58	
	0.0449	0.0020	95.55	
Glass	0.0716	0.0034	95.25	96.15
	0.0850	0.0031	96.35	
	0.0729	0.0023	96.84	

Summary:

Conclusion: Puracy was effective for the removal of glass soil on chrome, glass, and mirror.