CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2006

DateRun: 07/13/2006

Experimenters: Jason Marshall

ClientType: Cleaner Manufacturer

ProjectNumber: Project #1

Substrates: Ceramics, Fiberglass, Chrome

PartType: Coupon

Contaminants: Films, Soaps

Cleaning Methods: Manual Wipe

Analytical Methods: Gravimetric

Purpose: To run a second cleaning cycle for one of the supplied products for bathroom cleaning.

Experimental Procedure: One supplied cleaning products was used at full strength to clean the coupons previously contaminated with SSL Soil 1 (Bathroom soap scum: Vaseline Dry Skin Lotion 21.4%, Dial Clean Rinsing Body Wash 14.3%, Market Basket Shampoo & Conditioner (Pert) 28.6%, Soft Soap Natural Liquid hand soap 21.4%, Coast Deodorant bar soap 7.2% and Water 7.1%) .

Three coupons were placed into a Gardner Straight Line Washability unit. A Professional Painter's Rag was attached to the cleaning sled and soaked with 5-7 sprays of cleaning solutions. Each coupon was sprayed 7-10 times with the same cleaning solution. The cleaning unit was run for 20 cycles (~33 seconds). At the end of the cleaning, coupons were wiped once with a dry paper towel. Final weights were recorded. Efficiencies were calculated and recorded.

Results: The table lists the amount of soil added, the amount remaining and the percent removed for each coupon cleaned. The values from both rounds of cleaning are listed.

Cleaner	Initial wt	Final wt	% Removed
Cogent Sodiumhypochlorite Ceramic	0.1586	0.0497	68.66
	0.1879	0.0094	95.00
	0.3361	0.0416	87.62
Round 2	0.1586	0.0237	85.06
	0.1879	0.0084	95.53
	0.3361	0.0350	89.59
Cogent Sodium hypochlorite Chrome	0.4488	0.0382	91.49
	0.3557	0.0320	91.00
	0.3266	0.0311	90.48
Round 2	0.4488	0.0216	95.19
	0.3557	0.0203	94.29
	0.3266	0.0168	94.86
Cogent Sodiumhypochlorite Fiberglass	0.2047	0.0127	93.80
	0.4084	0.0155	96.20
	0.2858	0.0152	94.68
Round 2	0.2047	0.0003	99.85
	0.4084	0.0004	99.90
	0.2858	0.0017	99.41

Summary:

Substrates:	Ceramics, Fiberglass, Chrome
Contaminants:	Films, Soaps

Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Cogent Environmental Solutions	DFC Sodiumhypochlorite 0.02	100	94.85	☑	

Conclusion: The second cycle of cleaning improved the efficiency of the Sodium hypochlorite 0.02% solution. The effectiveness increased to 94.85% from 89.88%.