CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2007

DateRun: 08/19/2007

Experimenters: Jason Marshall, Shweta Bansal, Andrea Cheeseman

ClientType: General

ProjectNumber: Project #2

Substrates: Liquid

PartType: Coupon

Contaminants:

Cleaning Methods:

Analytical Methods: Smell

Purpose: To evaluate products for odor levels.

Experimental Procedure: The products were divided into two categories, citrus/terpene and soy/corn based products. Products were put into glass bottles and capped. Three lab personnel independently ranked the products from least smell to most odor in each of the two categories. The overall ranking of the product was based on the average of the three rankings. Observations were made for both 50% and full strength products.

Results: Odor Ranking Citrus/Pine (1-7 where 1: Least 7: Worst)

Company	Product	Initial Observation	50% Dilution				100% Dilution			
		Employee	1	2	3	Ave	1	2	3	Ave
Abatement Tech	Citrus Pure Remover	Citrus, not too strong	3	4	4	3.7	5	4	4	4.3
Clean Env.	Cycle-Strip	Slight citrus odor	1	1	1	1	2	2	2	2
EnvirOx, LLC	Grout-Safe	Slight citrus odor	2	2	2	2	1	1	1	1
Finger Lakes	Graffiti Remover	Strong pine/citrus odor	7	6	5	6	7	6	5	6
Finger Lakes	Resineater	Strong pine	6	7	6	6.3	3	7	6	5.3
Inland Tech	Citra-Safe	Strong citrus	5	3	3	3.7	6	3	3	4
Inland Tech	EP 921	Slight citrus odor	4	5	7	5.3	4	5	7	5.3
Odor Ranking Soy/Corn (1-11 where 1: Least 11: Worst)										
Company	Product	Initial Observation	50% Dilution				100% Dilution			
		Employee	1	2	3	Ave	1	2	3	Ave
Bio-Kleen	Super Stripper 1:3	Similar to Windex Cleaner	2	3	2	2.3	2	2	1	1.7
Bio-Kleen	Super Stripper 1:5	Similar to Windex Cleaner	2	3	2	2.3	2	2	1	1.7
Bi-O-Kleen	SL-100	Oily soy odor, not too strong 11	7	4	7.3	7	3	4	4.7	
Ecolink	Safe-Strip	Chemical odor, slight IPA	6	8	7	7	8	6	5	6.3
Franmar	Soy-Gel	Sickening, strong soy odor	4	2	3	3	5	9	6	6.7
Franmar	Soy-Strip	Soy/ chemical odor	7	4	1	4	4	10	7	7

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Gemtek	SC Maxi Solve	Strong chemical odor	9	9	11	9.7	10	8	10	9.3
Green Products	Amaizeing	Slight soy/ chemical odor	5	10	9	8	3	5	9	5.7
Soysolv Prod	SoySolv	Soy, oil odor	10	5	6	7	6	4	3	4.3
Spartan	Graffiti Remover SAC	Strong soy/ chemical odor	3	1	8	4	9	7	8	8
Spartan	Green Solutions	Slight chemical odor	1	6	5	4	1	1	2	1.3
Vertec	Ink Zapper	Very strong chemical odor	8	11	10	9.7	11	11	11	11

Summary:

Conclusion: The top products from all the tests will be used on-site during the piloting phase.