

Client: EcoActive Surfaces, Inc.  
Project: OxiTitan VLR

CAS Project No: P0903862

**CASE NARRATIVE**

The samples were received under chain of custody and intact on November 11, 2009 and were stored in accordance with the analytical method requirements. Please refer to the sample acceptance check form for additional information. The results reported herein are applicable only to the condition of the samples at the time of sample receipt.

Sample Preparation and Hydrogen Sulfide Analysis

The study consisted of four one-liter static Tedlar bags; blank, control, treated (containing a 3” square piece of material) and untreated (containing a 3” square piece of material). The bags were held at room temperature, ambient lighting and 50% relative humidity for the duration of the 24 hour experiment. See Figures 1 & 2.

The control, treated and untreated chambers were exposed to approximately 1000ppbV of hydrogen sulfide and samples from each chamber were collected at five temporal points (0, 1, 4, 7 and 24 hours). All of the samples were analyzed according to ASTM D 5504-01 using a gas chromatograph equipped with a sulfur chemiluminescence detector (SCD).

Figure 1:

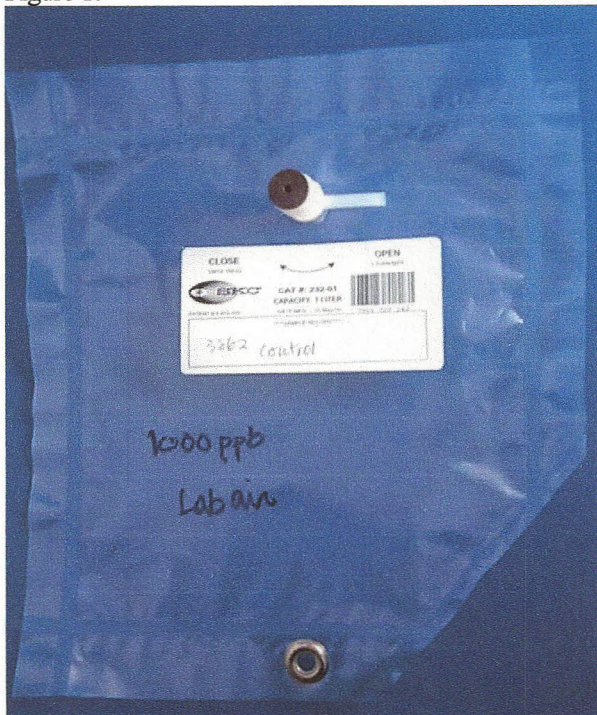
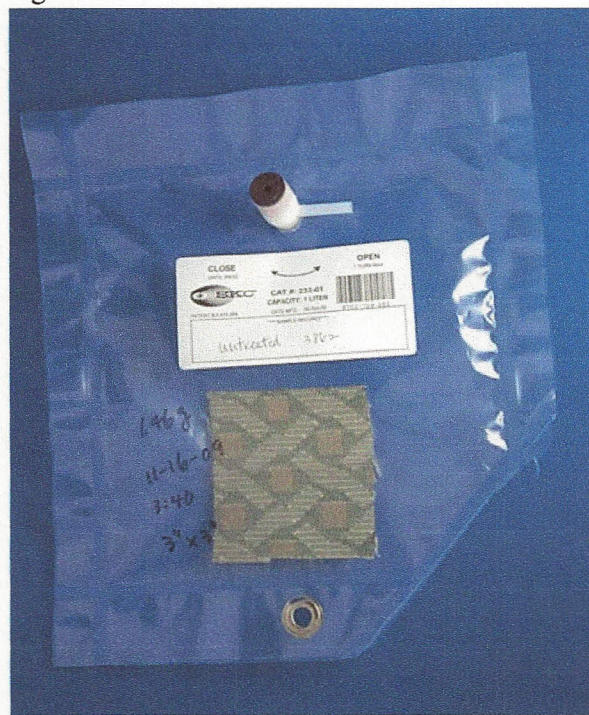


Figure 2:



*The results of analyses are given in the attached laboratory report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for utilization of less than the complete report.*

COLUMBIA ANALYTICAL SERVICES, INC.

RESULTS OF ANALYSIS

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Client: **EcoActive Surfaces, Inc.**  
Client Project ID: **Formaldehyde Odor Reduction**

CAS Project ID: P0903862

**Hydrogen Sulfide**

Test Code: ASTM D 5504-01  
Instrument ID: HP5890 II/GC5/SCD  
Analyst: Ku-Jih Chen  
Sampling Media: Solid  
Test Notes:

Date(s) Collected: 11/7/09  
Date Received: 11/11/09  
Date Analyzed: 11/17 - 11/19/09

Time	Blank ppbV	Control ppbV	Untreated ppbV	Treated ppbV	Data Qualifier
0 Min	ND	925.8	823.4	942.1	
1 Hour	ND	972.1	817.0	794.0	
4 Hour	ND	916.5	696.8	437.2	
7 Hour	ND	898.6	620.5	173.0	
24 Hour	ND	847.9	330.6	8.6	

ND = Compound was analyzed for, but not detected above the laboratory reporting limit.