



## Berkeley Analytical Associates, LLC

Air Quality Research and Analysis

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Dr. Charles Byers  
USG Corporation  
500 West Adams Street  
Chicago, IL 60661

April 7, 2008

Re: Section 01350 Emission Test Results, USG Mars #86985, Acoustical Ceiling Panel.

Dear Dr. Byers:

Your USG Mars #86985, Acoustical Ceiling Panel, Acoustical Ceiling Panel, was tested by our laboratory to determine its emissions of toxic volatile organic chemicals (VOCs) of concern. The test was conducted following the procedures described in Section 01350 of the Material Specifications adopted by the Collaborative for High Performance Schools (CHPS).

Calculations were performed using the parameters given below for a standard classroom to estimate the concentrations of VOCs of concern resulting from the use of your product in a classroom environment. The results of the test and the calculated concentrations for the standard classroom are presented in our attached report, 059-046-01A-Apr0708.

Ventilation Rate	Room Volume	Surface Area Covered by Product
0.90 air changes per hour (volume fraction = 0.9)	231 m <sup>3</sup> or (40x24x8.5 ft = 8,160 ft <sup>3</sup> )	89.2 m <sup>2</sup> of ceiling area

Your USG Mars #86985, Acoustical Ceiling Panel, Acoustical Ceiling Panel, **meets** the Section 01350 requirements for use in a classroom with the above parameters.

According to manufacturer and as stated on the chain-of-custody form, this product is representative of Mars ClimaPlus, Mars ClimaPlus High NRC, Luna, Luna Pedestals I and Luna Pedestals IV.

Sincerely,

  
Raja S. Tannous  
Laboratory Director

Attachment: Laboratory report