

December 5, 2008



Mr. Ramiro Maldonado  
San Antonio Housing Authority (SAHA)  
1310 South Brazos  
San Antonio, Texas 78207

**Consulting Engineers & Scientists**

Terracon Consultants, Inc.  
6911 Blanco Road  
San Antonio, Texas 78216-6164  
Phone 210.641.2112  
Fax 210.641.2124  
[www.terracon.com](http://www.terracon.com)

Subject: Environmental Monitoring  
Artisan at San Pedro Creek Apartments  
San Antonio, Bexar County, Texas  
Project No. 90087349

Dear Mr. Maldonado:

Terracon Consultants, Inc. conducted air monitoring at the Artisan at San Pedro Creek Apartments construction site located at 1901 South San Marcos Street in San Antonio, Texas, on December 4, 2008. The air sampling was conducted to determine if fugitive dust emissions from the construction activities contained elevated levels of Beryllium.

The ambient air monitoring during excavation activities was conducted throughout the day using Gilian BDx II battery-powered air sampling pumps equipped with 37 millimeter (mm) cassettes with 0.8- $\mu$ m filters in accordance with NIOSH sampling methods. The sampling areas included one location upwind and one location downwind from the construction activities, as well as monitoring the breathing airspace of one worker with the potential for the greatest exposure to dust. The samples, accompanied with a completed chain-of-custody form, were transported by Terracon to Alamo Analytical Laboratories, LTD. in San Antonio, Texas for analysis. The samples were analyzed for Beryllium using EPA method 6010b. The laboratory results indicated that the metals concentrations in the air samples were below the method detection limits as well as the OSHA TWA permissible exposure limit (PEL) of 0.002 milligrams per cubic meter ( $\text{mg}/\text{m}^3$ ) and below the National Institute of Occupational Safety and Health (NIOSH) recommended exposure limit (REL) of 0.0005  $\text{mg}/\text{m}^3$ . The analytical report is attached.

We appreciate the opportunity to have provided these services to SAHA. Please contact either of the undersigned at (210) 641-2112 if you have questions regarding the information provided in the report.

Sincerely,  
**Terracon Consultants, Inc.**

  
William DeVeau  
Project Manager/Air Monitoring Technician  
TDSHS License Numbers 501233/706369

  
Joe A. Lambert  
Manager of Environmental Department  
[jalambert@terracon.com](mailto:jalambert@terracon.com)

Attachment: Laboratory Report



**ALAMO ANALYTICAL LABORATORIES, LTD.**  
 10526 Guilforde • San Antonio, Texas 78216-3601 • (210) 340-8121

**CLIENT:** Terracon Consultants, Inc.  
**Lab Order:** 0812022  
**Project:**

**Date:** 05-Dec-08  
**Matrix:** AIR  
**Analyst:** JOL

Lab ID	Alamo Lab ID	Client ID	Collection Date	Analyses	Result	Rpt Limit	Units	DF	Date Analyzed
<b>TestName:</b> METALS, Air Cassettes									
0812022-01A	81202201	SP-01	04-Dec-08	Beryllium	< 0.0002	0.0002	mg/m <sup>3</sup>	1	12/5/2008 2:00:00
0812022-02A	81202202	SP-02	04-Dec-08	Beryllium	< 0.0002	0.0002	mg/m <sup>3</sup>	1	12/5/2008 2:00:00
0812022-03A	81202203	SP-03	04-Dec-08	Beryllium	< 0.0002	0.0002	mg/m <sup>3</sup>	1	12/5/2008 2:00:00
0812022-04A	81202204	SP-04	04-Dec-08	Beryllium	< 0.0002	0.0002	mg/m <sup>3</sup>	1	12/5/2008 2:00:00
0812022-05A	81202205	SP-05	04-Dec-08	Beryllium	< 0.0002	0.0002	mg/m <sup>3</sup>	1	12/5/2008 2:00:00

*J. J. J.*

Approved by:

Note: The analysis contained in this report applies only to the samples tested and for the exclusive use of the addressed client. Reproduction of this report wholly or in part requires written permission of the client.

NELAP Certificate# T104704367-08-TX



# CHAIN OF CUSTODY RECORD

COC #: 05336



**ALAMO ANALYTICAL LABORATORIES LTD.**

10526 Gulfdale

San Antonio, Texas 78216

(210) 340-8121 • (800) 572-6955

Fax: (210) 340-8123

www.alamoanalytical.com

admin@alamoanalytical.com

NELAP Certificate #

T104704367-08-TX

**MUST BE COMPLETED BY CLIENT**

Alamo's Client: <b>TERRACON</b>	Client's P.O. #:	Turnaround time: Standard (7) <input type="checkbox"/> (In working days)
Project Manager: <b>Will DeVeau</b>	Phone #: <b>(210) 641-2112</b>	RUSH: 1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3-5 <input type="checkbox"/> Days (additional charges)
Address: <b>6911 Blanco Rd. San Antonio, TX 78216</b>	Fax #: <b>(210) 641-2124</b>	TRRP 13 Report: Yes <input type="checkbox"/> No <input type="checkbox"/> (additional charges)
Project Number: <b>90087349</b>	Project Name: <b>ARTISAN AT SAN PEDRO CREEK APARTMENTS</b>	Analysis for Permit Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>
Project Location: <b>1901 S. SAN MARCOS, SAN ANTONIO, TX</b>	Sampler Signature:	DMR Form Required: Yes <input type="checkbox"/> No <input type="checkbox"/>

LAB ID# (Do not use)	Sampling		Composite	Grab	Matrix	ARL FIELD ID #	FIELD DESCRIPTION	No. of Containers	ANALYSIS				REMARKS (Preservation, Size/Amount, Etc.)
	Date	Time							Be	Ge	Li	Other	
SP-01	12/14/08	0800/1611				812022-01	Up Wind (MINE @ 2.0 Hrs)	1	X				Total Vol. = 1250 L
SP-02	12/14/08	0755/1606				-02	Down Wind (MINE @ 2.0 Hrs)	1	X				Total Vol. = 1250 L
SP-03	12/14/08	0750/1600				-03	PERSONNEL (MINE @ 2.0 Hrs)	1	X				Total Vol. = 1250 L
SP-04	12/14/08					-04	FIELD BLANK -	1	X				-
SP-05	12/14/08					812022-05	Field Blank -	1	X				-

  

Relinquished by: (Signature / Print Name) <i>Will DeVeau / Will DeVeau</i>	Date 12/14/08	Time 1632	Received by: (Signature)	Headspace <input type="checkbox"/> N/A Properly Sealed <input checked="" type="checkbox"/> Y Chilled ≤ 4° C <input type="checkbox"/> N/A Comments: Total Beryllium Content
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)	
Relinquished by: (Signature / Print Name)	Date	Time	Received by: (Signature)	
Relinquished by: (Signature / Print Name)	Date 12-4-8	Time 1632	Received (or Laboratory by) (Signature)	