

Asbestos-Containing Materials and Lead-Based Paint Survey
2089 Harbor Boulevard, Costa Mesa, California

09 August 2013
AGE-SC-13-2893

PREPARED FOR:
IWS Environmental

PREPARED BY:



Advanced GeoEnvironmental, Inc.

Stockton • Santa Rosa • Monterey • Brea • Spokane • Reno

(800) 511-9300

www.advgeoenv.com

26 July 2012

Advanced
GeoEnvironmental, Inc.



AGE Project No. SC-13-2893

Mr. James Bunck
IWS Environmental Services
5211 Hartford Way
Westminster, California 92683

**Subject: Asbestos-Containing Materials and Lead-Based Paint Survey,
2089 Harbor Boulevard, Costa Mesa, California**

Dear Mr. Bunck:

In accordance with your request, we have conducted asbestos and lead-based paint surveys at the referenced property. The results of this survey are presented in the enclosed report.

The opportunity to provide this service is greatly appreciated. If you have any questions regarding this matter, please feel free to contact our office at (714) 529-0200.

Sincerely,

Advanced GeoEnvironmental, Inc.

A handwritten signature in blue ink that reads "Dennis M. Delaney".

Dennis Michael Delaney
Director, Air Quality Division

Enclosures

cc: (3) addressee

**Asbestos-Containing Materials and Lead-Based Paint Survey Update
2089 Harbor Boulevard, Costa Mesa, California**

09 August 2013
AGE-SC Project No. SC-13-2893



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INITIAL REVIEW BY:

Robert Loeffler, P.G.
Senior Project Geologist/Vice President
California Professional Geologist No. 6709

PROJECT MANAGER:

Dennis Michael Delaney
Director, Air Quality Division
Certified Asbestos Consultant No. 11-4770

FINAL REVIEW BY:

Dennis Michael Delaney
Director, Air Quality Division
Certified Asbestos Consultant No. 11-4770

Asbestos-Containing Materials and Lead-Based Paint Survey, 2089 Harbor Boulevard, Costa Mesa, California

1.0. INTRODUCTION/SCOPE OF WORK

In accordance with your request, *Advanced GeoEnvironmental, Inc.* (AGE) conducted a survey of three abandoned structures, located at 2089 Harbor Boulevard, Costa Mesa, California. The scope of work included inspection and sampling of building materials in these structures to evaluate the presence of asbestos and lead-based paint in the existing building materials, which are suspected to be present, based on the age of the buildings.

2.0. BUILDING DESCRIPTION

The site is a former automotive facility that has been abandoned and boarded up. It is located on the southwest corner of the intersection of Harbor Boulevard and Hamilton Street in Costa Mesa, California. The property consists of one large, two-story and two smaller one-story structures. The total structural coverage to be surveyed is approximately 16,900 ft², including the roofs. All three structures are of wood-frame construction, with stucco applied to the exterior elevations. The large two-story facility is configured as the main sales facility of the former automotive shop, with sales areas to the east on Harbor Boulevard, and offices throughout the remaining portions of the building. The exterior is painted grey, with stucco-coated elevations. The structure is currently vacant, and appears to have been "gutted" recently, with much of the drywall missing. There is a second floor above the southern portion of the structure, consisting of additional office space. The walls and flooring in these offices have also been "gutted," with all flooring and a significant amount of the drywall broken out. The flooring in the structure appears to have been vinyl floor tile and carpet, all of which is missing.

The unit to the south of this facility, is a small former detailing shop, currently abandoned. The unit is a single-story, wood frame building, painted tan, with stucco elevations on its north, south, and west sides. The interior of this structure is open, with no offices or rest rooms. Flooring in this unit is the concrete slab. Much of the wall board in this unit has been torn out. What is left is painted white. The doors and window sashes are painted dark blue.

The third unit, formerly the customer waiting room, is also abandoned. It is a wood-framed single-story structure, painted brown, with stucco-coated elevations. The northern portion of this structure was locked, with no access available. The southern portion consisted of two rooms: a waiting room; and a kitchen. The waiting room had no flooring other than wood planking. The kitchen flooring was white vinyl floor tile. The ceilings were coated with blown-in acoustic ceiling material. The walls are painted a uniform crème color. The materials all appear to have been subjected to severe damage, with portions of drywall and floor tile damaged or missing.

All units in this facility face east towards Harbor Boulevard in the city of Costa Mesa, California. State Highway 55 is approximately ¼ mile due east of the site. The Pacific Coast Highway is located 2 miles south of the site, with the Pacific Ocean approximately 2.5 miles to the southwest. The site location is depicted in Figures 1 and 2.

3.0. PROCEDURES

On 26 July 2013, sampling and logging for asbestos and lead-based paint were performed by Mr. Dennis Michael Delaney, California Certified Asbestos Consultant #11-4770 and Lead Program Monitor. On arrival, Mr. Delaney found all three buildings to be boarded up, with no access. Property Management was informed, and the site supervisor arrived with assistance. One doorway was forced in each structure. Mr. Delaney then commenced the survey. Samples of various types of materials suspected to contain asbestos fibers were collected, as well as samples of various types and shades of surface coating which may contain lead.

3.1 ASBESTOS SAMPLING

AGE typically conducts surveys by performing a preliminary visual inspection of the building impacted to identify and quantify suspect ACM. A sampling strategy is then developed to provide representative sampling of the suspect ACM in accordance with the methods and procedures identified in the Asbestos Hazard Emergency Response Act (AHERA). This was impeded by the lack of light in the buildings, and the severe damage to the interior of the structures. The buildings were arbitrarily labeled Building "A," the main building, Building "B," the customer waiting room, and Building "C," the shop, for the purpose of sample identification.

AGE field staff utilized semi-destructive sampling methods to collect samples of accessible suspect asbestos-containing building materials. Some areas of the buildings, e.g. pipes, chases, etc. may not have been accessible at the time of the inspection.

The following building materials were typically targeted for ACMs: acoustical ceiling material, textured wall surfacing, pipe/boiler insulation, attic insulation, HVAC duct system insulation, ceiling tiles, sprayed structural fireproofing, flooring, exterior stucco, interior wall materials and exterior roofing materials. No sprayed-on fireproofing material was discovered during the survey. Pipe/boiler insulation was not noted during the inspection, and much of the drywall and flooring was missing. Therefore, the survey was limited to samples of acoustic ceiling material, drywall and wallboard, floor tiles, insulation, exterior stucco, and roofing material.

In total, thirty-nine potentially asbestos-containing material (ACM) samples were collected

and analyzed, from various materials found in the structures surveyed at 2089 Harbor Boulevard in Costa Mesa, California. Samples were collected attached to matrix material. Where this material was determined to be PACM (Presumed Asbestos-Containing Material), the additional layers of material were analyzed separately. A total of 44 analyses were performed on the samples collected at this site. The samples were analyzed by EMLab P&K, Inc., a NVLAP Accredited Laboratory. The laboratory report (EMLab Job Number 1093621) and chain-of-custody form are attached.

3.2 LEAD-BASED PAINT SAMPLING

Pursuant to Title 8 of the California Code of Regulations, Section 1532.1, *Cal/OSHA Construction Safety Orders, Lead* (8CCR1532.1), where lead-based paint is discovered or suspected, analysis of the concentration of lead must be made in order to determine the appropriate safety measures to be applied during construction work. The restrictions apply to all construction work where an employee may be occupationally exposed to lead, including demolition.

Sampling and logging for lead-based paint (LBP) was conducted concurrently with the asbestos survey. The sampling was limited to collection of various samples of different types and layers of paint from interior wall surfaces, and exterior surfaces.

In total, thirty-three samples of LBP were collected from various materials found in the structure. The samples sent to EMLab P&K, Inc., a NVLAP-accredited laboratory, were analyzed. The laboratory report (EMLab Job Number 1093626) and chain-of-custody form are attached.

Figure 3 depicts the locations where samples of ACM and lead-based paint were collected. Asbestos samples are prefixed with the letter "A," and lead-based paint samples are denoted by the letter "P."

4.0 SUMMARIZED FINDINGS

4.1 ASBESTOS FINDINGS

The ACM samples were analyzed using EPA method 600/R-93/116, Polarized Light Microscopy (PLM) with dispersion staining, in accordance with the requirements defined in 40 CFR 763 Subpart F, Appendix A (AHERA) and 29 CFR 1926.11, Appendix F. Table 1 identifies the types and locations of samples collected.

No asbestos above the minimum detection level of the analysis procedure was detected in any of the samples collected at 2089 Harbor Boulevard, Costa Mesa, California.

4.2 LEAD-BASED PAINT FINDINGS

Lead paint samples were analyzed using method SW 846-3050B/7000B, Flame Atomic Absorption Spectrometry, in accordance with the requirements of Title 8 of the California Code of Regulations, Section 1532.1, *Cal/OSHA Construction Safety Orders, Lead* (8CCR1532.1). Table 2 identifies the types and locations of samples collected. Eight of the lead-based paint samples were found to contain concentrations of lead above the 0.5% safety limit established by the Office of Housing and Urban Development (HUD), all from coatings applied to Building "A." Of the 33 samples of surface coatings collected, only these eight exceeded the allowable concentration of lead in paint (0.06% dry weight), as determined by the California Occupational Safety and Health Administration (CalOSHA).

4.2.1 Building "A" – Main Sales Office

Power was not available in this unit, and all doors and windows were boarded up. Approximately one-third of the interior walls were broken down, making estimation of the coverage difficult. All but one sample of interior crème coatings reported concentrations of lead in paint in excess of the CALOSHA standard. Concentrations ranged from 0.0489% dry weight (Sample #P1-C, collected from a SE Office) to 0.119%wt, found in the office adjacent to the kitchen (Sample #P2-C). The offices on the second floor were a uniform light blue. Samples of these coatings were collected, and analytical results indicate that none of the coatings contain concentrations of lead above the established limit of 0.06% dry weight. **A very rough estimate of 3,000 square feet (ft²) of the crème coating is present throughout the building.**

The exterior of Building "A" is coated with what could be described as "Battleship Grey" paint. Samples of this coating were collected from each side of the structure. Analytical results indicate that this exterior coating contains lead at levels above the 0.5% safety limit established by HUD as well as the allowable concentration of lead in paint (0.06% dry weight), as determined by CalOSHA. Sample concentrations ranged from 1.51%wt reported in Sample #P4-A taken from the north side of the building, to 1.71%wt, collected from the west side, more than 25 times higher than the CALOSHA limit. **There are approximately 6,230 ft² of this coating present on the exterior surfaces of Building "A."**

4.2.2 Building "B" – Customer Waiting Room

The waiting room and kitchen were painted a uniform off-white, or crème color. The northern portion of the structure was not accessible during this survey. No samples collected from both the interior and exterior of this structure reported concentrations of lead

exceeding the allowable concentration of lead in paint (0.06% dry weight), as determined by the California Occupational Safety and Health Administration (CalOSHA).

4.2.3 Building "C" – Automotive Shop

Much of the wallboard in this structure was missing or damaged. No samples collected from both the interior and exterior of this structure reported concentrations of lead exceeding the allowable concentration of lead in paint (0.06% dry weight), as determined by the California Occupational Safety and Health Administration (CalOSHA).

5.0. CONCLUSIONS AND RECOMMENDATIONS

5.1 ASBESTOS

Since no asbestos was discovered during the survey, specific regulatory notifications are not required under NESHAPS or Section 105250 of the California Health and Safety Code prior to renovation or demolition.

5.2 LEAD-BASED PAINT

Since lead-based paint has been identified in the surface coatings of Building "A," specific procedures must be followed when conducting demolition. Section 105250 of the California Health and Safety Code is implemented by Title 17, Division 1, Chapter 8, of the California Code of Regulations. It outlines specific practices which must be adhered to once a positive determination of the presence of hazardous levels of lead has been made. Further, Title 17, Chapter 8 of the Code outlines work practices for lead-related construction. In brief, they are:

- Once the presence of lead has been determined, abatement must be conducted, in accordance with procedures specified in Chapter 12 of the "Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (HUD, June 1995)."
- Notification must be posted and delivered to all concerned parties at least five days prior to abatement, and shall not be removed or rescinded until a clearance inspection has been conducted.
- Abatement must be conducted by state-certified Lead Workers, with a certified Supervisor in attendance.
- A clearance inspection by a state-certified Lead Assessor must be conducted, and the site cleared, prior to demolition. Inspections and monitoring may not be

accomplished by an employee, or anyone affiliated with, the abatement contractor.

In addition, Title 8, Section 1532.1 © of the California Code of Regulations requires owners to conduct third-party monitoring and observation of work practices, to ensure that no employee is exposed to lead at concentrations greater than 50 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) of air, measured as a time-weighted average exposure over an 8-hour period. Based on an analysis of the extent of lead-based paint found in this structure, there are approximately **9,230 square feet (ft²)** of lead-based paint present in the structure, distributed between the exterior and interior surfaces of Building "A," located at 2089 Harbor Boulevard, Costa Mesa, California.

6.0. LIMITATIONS

Our professional services were performed using that degree of care and skill ordinarily exercised by environmental consultants practicing in this or similar fields. The sampling for asbestos, and lead in exterior and interior wall covering, was based on the presence of construction materials or materials frequently containing asbestos, and the condition and appearance of the painted surfaces. This investigation limited asbestos sampling to accessible friable building materials or non-friable materials thought to possibly contain asbestos. Inaccessible materials have not been tested and no warranty regarding their asbestos content can be made. Sampling for lead-based paint was limited to a selection of homogeneous materials on the interior surface.

The conclusions are based on the features noted on or in the building during the sampling events. The fact that no asbestos or lead-based paint was detected in the locations listed does not necessarily imply that the site is free of any other sources of asbestos and lead, respectively. This report only represents a "due diligence" effort as to the integrity of the site. No other warranty, expressed or implied, is made as to the conclusions contained in this report.

Table 1
Results of Asbestos Sampling
2089 Harbor Boulevard,
Costa Mesa, California

Sample Number	Suspected Asbestos Containing Material	Location of Material	Friable	Condition	Asbestos Content (Fibers/cc)	Approximate Square Footage
A1-A	Exterior Stucco	Building A, NW Corner	N	Damaged	ND	NA
A1-B	Exterior Stucco	Building A, W Side	N	Damaged	ND	NA
A1-C	Exterior Stucco	Building A, SW Corner	N	Damaged	ND	NA
A2-A	Exterior Stucco	Building A, S Side	N	Damaged	ND	NA
A2-B	Exterior Stucco	Building A, SE Corner	N	Damaged	ND	NA
A2-C	Exterior Stucco	Building A, E Side	N	Damaged	ND	NA
A3-A	Exterior Stucco	Building B, NW Corner	N	Damaged	ND	NA
A3-B	Exterior Stucco	Building B, NW Corner	N	Damaged	ND	NA
A3-C	Exterior Stucco	Building B, NW Corner	N	Damaged	ND	NA
A4-A	Exterior Stucco	Building C, NW Corner	N	Damaged	ND	NA
A4-B	Exterior Stucco	Building C, NW Corner	N	Damaged	ND	NA
A4-C	Exterior Stucco	Building C, NW Corner	N	Damaged	ND	NA
A5-A	Beige Drywall	Building A, SW Hallway	Y	Significantly Damaged	ND	NA

Table 1 (Continued)
Results of Asbestos Sampling
2089 Harbor Boulevard,
Costa Mesa, California

Sample Number	Suspected Asbestos Containing Material	Location of Material	Friable	Condition	Asbestos Content (Fibers/cc)	Approximate Square Footage
A5-As	Yellow Drywall	Building A, SW Hallway	Y	Significantly Damaged	ND	NA
A5-B	Drywall	Building A, SE Hallway	Y	Significantly Damaged	ND	NA
A5-C	Drywall	Building A, E Center Office	Y	Significantly Damaged	ND	NA
A5-Cs	Yellow Drywall	Building A, E Center Office	Y	Significantly Damaged	ND	NA
A6-A	Insulation	Building A, SE Hallway	Y	Damaged	ND	NA
A6-B	Insulation	Building A, SE Office	Y	Significantly Damaged	ND	NA
A6-C	Insulation	Building A, NE Office	Y	Damaged	ND	NA
A7-A	Roofing Material	Building A, NE Corner	Y	Damaged	ND	NA
A7-B	Roofing Material	Building A, SW Side	Y	Damaged	ND	NA
A7-C	Roofing Material	Building A, E Side	Y	Damaged	ND	NA
A8-A	Roofing Material	Building A, E Side	Y	Damaged	ND	NA
A8-B	Roofing Material	Building A, E Side	Y	Damaged	ND	NA

Table 1 (Continued)
Results of Asbestos Sampling
2089 Harbor Boulevard,
Costa Mesa, California

Sample Number	Suspected Asbestos Containing Material	Location of Material	Friable	Condition	Asbestos Content (Fibers/cc)	Approximate Square Footage
A8-C	Roofing Material	Building A, E Side	Y	Damaged	ND	NA
A9-A	Acoustic Ceiling Material	Building B, SE Side	Y	Good	ND	NA
A9-B	Acoustic Ceiling Material	Building B, SE Side	Y	Good	ND	NA
A9-C	Acoustic Ceiling Material	Building B, SE Side	Y	Good	ND	NA
A10-A	12"x12" White Floor Tile	Building B, Kitchen	N	Damaged	ND	NA
A10-B	12"x12" White Floor Tile	Building B, Kitchen	N	Damaged	ND	NA
A10-C	12"x12" White Floor Tile	Building B, Kitchen	N	Damaged	ND	NA
A11-A	Beige Drywall	Building B, Kitchen, W Side	Y	Damaged	ND	NA
A11-As	White Drywall	Building B, Kitchen, W Side	Y	Damaged	ND	NA
A11-B	Beige Drywall	Building B, Lounge, S Side	Y	Damaged	ND	NA
A11-Bs	White Drywall	Building B, Lounge, S Side	Y	Damaged	ND	NA
A11-C	Beige Drywall	Building B, Lounge, W Side	Y	Damaged	ND	NA

Table 1 (Continued)
Results of Asbestos Sampling
2089 Harbor Boulevard,
Costa Mesa, California

Sample Number	Suspected Asbestos Containing Material	Location of Material	Friable	Condition	Asbestos Content (Fibers/cc)	Approximate Square Footage
A11-Cs	White Drywall	Building B, Lounge, W Side	Y	Damaged	ND	NA
A12-A	Roofing Material	Building B, N Side	N	Good	ND	NA
A12-B	Roofing Material	Building B, S Side	N	Good	ND	NA
A12-C	Roofing Material	Building B, E Side	N	Good	ND	NA
A13-A	Drywall	Building C, N Side	Y	Significantly Damaged	ND	NA
A13-B	Drywall	Building C, S Side	Y	Significantly Damaged	ND	NA
A13-C	Drywall	Building C, W Side	Y	Significantly Damaged	ND	NA

ND - None Detected
NA - Not Applicable

Table 2
Results of Lead-Based Paint Sampling
2089 Harbor Boulevard,
Costa Mesa, California

Sample Number	Material	Location of Material	Condition	Lead Content (% Wt)	Approximate Square Footage
P1-A	Interior Crème	Building A, SE Hall	Damaged	0.125	3,000***
P1-B	Interior Crème	Building A, SE Office	Damaged	0.111	Ref P1-A
P1-C	Interior Crème	Building A, SE Office	Damaged	0.0489	NA
P2-A	Interior Crème	Building A, Center Hallway	Damaged	0.0982	Ref P1-A
P2-B	Interior Crème	Building A, E Center Kitchen	Significantly Damaged	0.0781	Ref P1-A
P2-C	Interior Crème	Building A, E Center Office	Damaged	0.119	Ref P1-A
P3-A	Light Blue	Building A, 2 nd Floor, NW Office	Significantly Damaged	0.0373	NA
P3-B	Light Blue	Building A, 2 nd Floor, SW Office	Significantly Damaged	0.0425	NA
P3-C	Light Blue	Building A, 2 nd Floor, S Office	Significantly Damaged	0.0339	NA
P4-A	Exterior Grey	Building A, N Side	Good	1.51	6,230
P4-B	Exterior Grey	Building A, W Side	Good	1.71	Ref. P4-A
P4-C	Exterior Grey	Building A, S Side	Good	1.59	Ref. P4-A

Table 2 (Continued)
Results of Lead-Based Paint Sampling
2089 Harbor Boulevard,
Costa Mesa, California

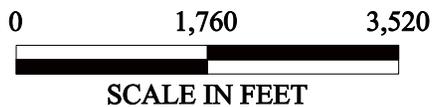
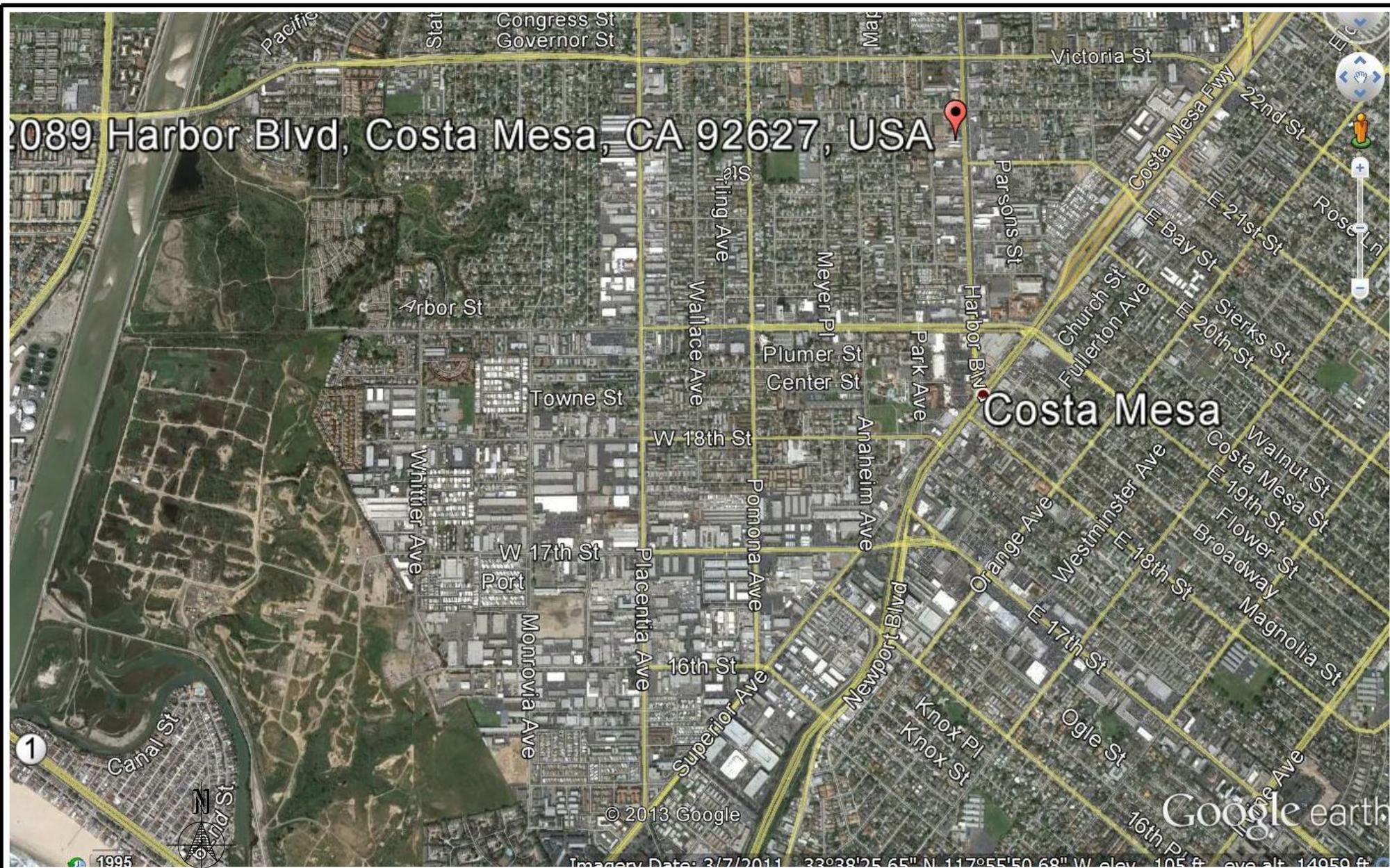
Sample Number	Material	Location of Material	Condition	Lead Content (% Wt)	Approximate Square Footage
P4-D	Exterior Grey	Building A, E Side	Damaged	1.66	Ref. P4-A
P5-A	Interior White	Building B, Lounge, S Side	Damaged	<0.00410	NA
P5-B	Interior White	Building B, Lounge, S Side	Damaged	<0.00526	NA
P5-C	Interior White	Building B, Kitchen	Damaged	<0.00461	NA
P6-A	Dark Blue Enamel Trim	Building B, E Door	Damaged	<0.00510	NA
P6-B	Dark Blue Enamel Trim	Building B, E Door	Damaged	<0.00527	NA
P6-C	Dark Blue Enamel Trim	Building B, W Door	Damaged	<0.00510	NA
P7-A	Exterior Brown	Building B, N Side	Damaged	0.0410	NA
P7-B	Exterior Brown	Building B, W Side	Damaged	0.0548	NA
P7-C	Exterior Brown	Building B, S Side	Damaged	0.00929	NA
P7-D	Exterior Brown	Building B, E Side	Damaged	<0.00484	NA
P8-A	Interior Off-White	Building C, N Side	Significantly Damaged	0.0252	NA
P8-B	Interior Off-White	Building C, S Side	Significantly Damaged	0.0202	NA
P8-C	Interior Off-White	Building C, E Side	Significantly Damaged	0.0173	NA

Table 2 (Continued)
Results of Lead-Based Paint Sampling
2089 Harbor Boulevard,
Costa Mesa, California

Sample Number	Material	Location of Material	Condition	Lead Content (% Wt)	Approximate Square Footage
P9-A	Dark Blue Enamel Trim	Building C, SW Door	Damaged	0.0182	NA
P9-B	Dark Blue Enamel Trim	Building C, SW Door	Damaged	0.0448	NA
P9-C	Dark Blue Enamel Trim	Building C, SW Door	Damaged	<0.0224	NA
P10- A	Exterior Tan	Building C, N Side	Damaged	<0.00525	NA
P10-B	Exterior Tan	Building C, E Side	Damaged	<0.00514	NA
P10-C	Exterior Tan	Building C, S Side	Damaged	<0.00455	NA
P10-D	Exterior Tan	Building C, W Side	Damaged	<0.00392	NA

ND – Not Detected

NA – Not Applicable



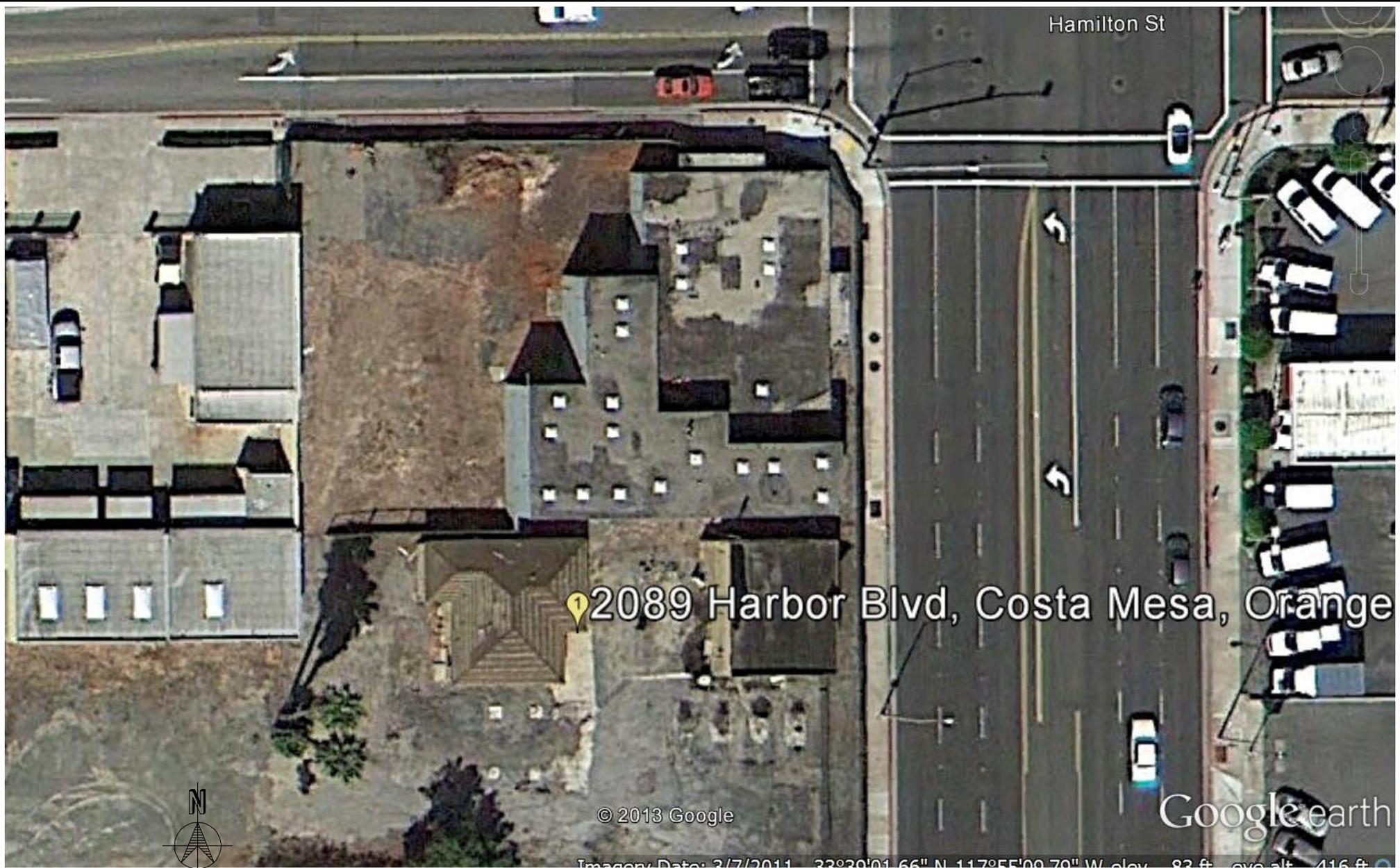
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FIGURE 1 - Location Map

2089 Harbor Blvd
Costa Mesa, California

Project No.:
SC-13-28930

Date:
09 August 2013



Hamilton St

2089 Harbor Blvd, Costa Mesa, Orange

© 2013 Google

Google earth

Imagery Date: 2/7/2011 22°20'01.66" N 117°55'00.70" W elev. 82 ft. eye alt. 416 ft.



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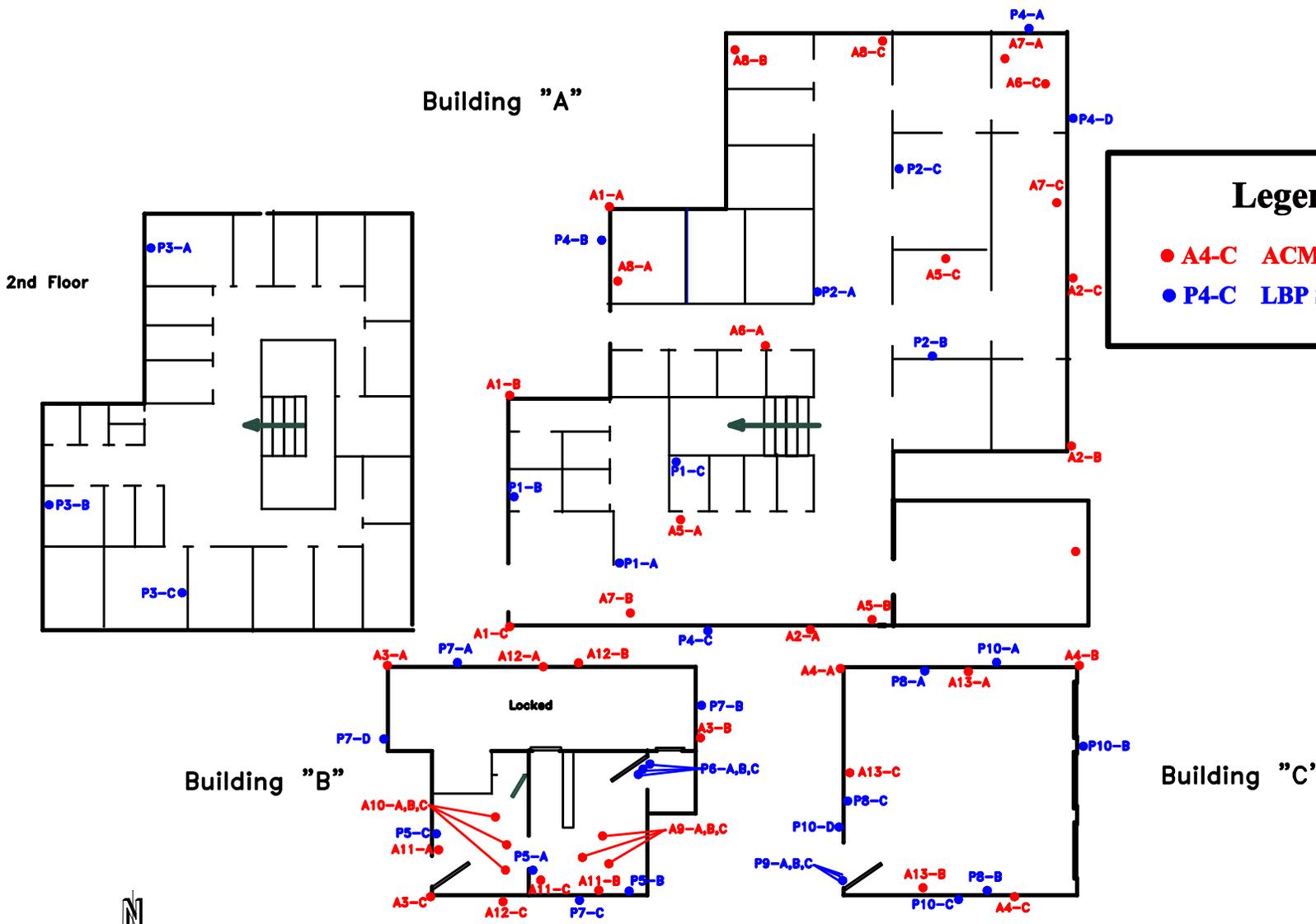


FIGURE 2 -Site Map

2089 Harbor Blvd
Costa Mesa, California

Project No.:
SC-13-28930

Date:
09 August 2013



Legend

- A4-C ACM Sample
- P4-C LBP Sample

FIGURE 3 - Sample Locations


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GeoEnvironmental, Inc.

2089 Harbor Blvd
 Costa Mesa, California

Project No.:
SC-13-2893
Date:
09 August 2013



Report for:

Mr. Dennis Delaney
Advanced GeoEnvironmental, Inc.
381 Thor Place
Brea, CA 92821

Regarding: Project: 2089 Harbor Blvd
EML ID: 1093621

Approved by:

Approved Signatory
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Asbestos-EPA Method 600/R-93/116: 08-01-2013

Service SOPs: Asbestos-EPA Method 600/R-93/116 (EPA-600/M4-82-020 (SOP 01267))

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the items tested. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Client: Advanced GeoEnvironmental, Inc.
 C/O: Mr. Dennis Delaney
 Re: 2089 Harbor Blvd

Date of Sampling: 07-26-2013
 Date of Receipt: 07-31-2013
 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Total Samples Submitted: 39
Total Samples Analysed: 39

Total Samples with Layer Asbestos Content > 1%: 0

Location: A1-A, Exterior stucco-Building A, NW corner

Lab ID-Version‡: 4931140-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A1-B, Exterior stucco-Building A, W side

Lab ID-Version‡: 4931141-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A1-C, Exterior stucco-Building A, SW corner

Lab ID-Version‡: 4931142-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A2-A, Exterior stucco-Building A, S side

Lab ID-Version‡: 4931143-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

‡ A "Version" indicated by "-x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Client: Advanced GeoEnvironmental, Inc.
 C/O: Mr. Dennis Delaney
 Re: 2089 Harbor Blvd

Date of Sampling: 07-26-2013
 Date of Receipt: 07-31-2013
 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A2-B, Exterior stucco-Building A, SE corner

Lab ID-Version‡: 4931144-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A2-C, Exterior stucco-Building A, E side

Lab ID-Version‡: 4931145-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A3-A, Exterior stucco-Building B, NW corner

Lab ID-Version‡: 4931146-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A3-B, Exterior stucco-Building B, NW corner

Lab ID-Version‡: 4931147-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

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Client: Advanced GeoEnvironmental, Inc.
 C/O: Mr. Dennis Delaney
 Re: 2089 Harbor Blvd

Date of Sampling: 07-26-2013
 Date of Receipt: 07-31-2013
 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A3-C, Exterior stucco-Building B, NW corner

Lab ID-Version‡: 4931148-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A4-A, Exterior stucco-Building C, NW corner

Lab ID-Version‡: 4931149-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A4-B, Exterior stucco-Building C, NW corner

Lab ID-Version‡: 4931150-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

Location: A4-C, Exterior stucco-Building C, NW corner

Lab ID-Version‡: 4931151-1

Sample Layers	Asbestos Content
Gray Stucco with Paint	ND
Sample Composite Homogeneity: Good	

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Date of Sampling: 07-26-2013
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 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A5-A, Drywall-building A, SW hallway

Lab ID-Version‡: 4931152-1

Sample Layers	Asbestos Content
Beige Plaster	ND
Yellow Plaster with Paint	ND
Composite Non-Asbestos Content:	5% Vermiculite
Sample Composite Homogeneity:	Good

Location: A5-B, Drywall-building A, SE hallway

Lab ID-Version‡: 4931153-1

Sample Layers	Asbestos Content
Gray Cementitious Material	ND
Composite Non-Asbestos Content:	5% Vermiculite
Sample Composite Homogeneity:	Good

Location: A5-C, Drywall-building A, E center office

Lab ID-Version‡: 4931154-1

Sample Layers	Asbestos Content
Beige Plaster	ND
Yellow Plaster with Paint	ND
Composite Non-Asbestos Content:	5% Vermiculite
Sample Composite Homogeneity:	Good

Location: A6-A, Insulation-building A, SE hallway

Lab ID-Version‡: 4931155-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	95% Glass Fibers
Sample Composite Homogeneity:	Good

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Client: Advanced GeoEnvironmental, Inc.
 C/O: Mr. Dennis Delaney
 Re: 2089 Harbor Blvd

Date of Sampling: 07-26-2013
 Date of Receipt: 07-31-2013
 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A6-B, Insulation-building A, SE office

Lab ID-Version‡: 4931156-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	95% Glass Fibers
Sample Composite Homogeneity:	Good

Location: A6-C, Insulation-building A, NE office

Lab ID-Version‡: 4931157-1

Sample Layers	Asbestos Content
Brown Insulation	ND
Composite Non-Asbestos Content:	95% Glass Fibers
Sample Composite Homogeneity:	Good

Location: A7-A, Roofing material-building A, NE corner

Lab ID-Version‡: 4931158-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Cellulose
Sample Composite Homogeneity:	Good

Location: A7-B, Roofing material-building A, SW side

Lab ID-Version‡: 4931159-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Cellulose
Sample Composite Homogeneity:	Good

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Client: Advanced GeoEnvironmental, Inc.
 C/O: Mr. Dennis Delaney
 Re: 2089 Harbor Blvd

Date of Sampling: 07-26-2013
 Date of Receipt: 07-31-2013
 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A7-C, Roofing material-building A, E side

Lab ID-Version‡: 4931160-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Cellulose
Sample Composite Homogeneity:	Good

Location: A8-A, Roofing material-building A, E side

Lab ID-Version‡: 4931161-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Cellulose
Sample Composite Homogeneity:	Good

Location: A8-B, Roofing material-building A, E side

Lab ID-Version‡: 4931162-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Cellulose
Sample Composite Homogeneity:	Good

Location: A8-C, Roofing material-building A, E side

Lab ID-Version‡: 4931163-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Cellulose
Sample Composite Homogeneity:	Good

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Date of Sampling: 07-26-2013
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 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A9-A, Acoustic ceiling material-building B, SE side

Lab ID-Version‡: 4931164-1

Sample Layers	Asbestos Content
White Popcorn Ceiling with Paint	ND
Sample Composite Homogeneity: Good	

Location: A9-B, Acoustic ceiling material-building B, SE side

Lab ID-Version‡: 4931165-1

Sample Layers	Asbestos Content
White Popcorn Ceiling with Paint	ND
Sample Composite Homogeneity: Good	

Location: A9-C, Acoustic ceiling material-building B, SE side

Lab ID-Version‡: 4931166-1

Sample Layers	Asbestos Content
White Popcorn Ceiling with Paint	ND
Sample Composite Homogeneity: Good	

Location: A10-A, 12"x12" white floor tile-building B, kitchen

Lab ID-Version‡: 4931167-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Sample Composite Homogeneity: Good	

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Date of Sampling: 07-26-2013
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 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A10-B, 12"x12" white floor tile-building B, kitchen

Lab ID-Version‡: 4931168-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Sample Composite Homogeneity: Good	

Location: A10-C, 12"x12" white floor tile-building B, kitchen

Lab ID-Version‡: 4931169-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Sample Composite Homogeneity: Good	

Location: A11-A, Drywall-building B, kitchen, W side

Lab ID-Version‡: 4931170-1

Sample Layers	Asbestos Content
Beige Drywall	ND
White Plaster with Paint	ND
Sample Composite Homogeneity: Good	

Location: A11-B, Drywall-building B, kitchen, S side

Lab ID-Version‡: 4931171-1

Sample Layers	Asbestos Content
Beige Drywall	ND
White Plaster with Paint	ND
Sample Composite Homogeneity: Good	

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 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A11-C, Drywall-building B, kitchen, W side

Lab ID-Version‡: 4931172-1

Sample Layers	Asbestos Content
Beige Drywall	ND
White Plaster with Paint	ND
Sample Composite Homogeneity:	Good

Location: A12-A, Roofing material-building B, N side

Lab ID-Version‡: 4931173-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Glass Fibers
Sample Composite Homogeneity:	Good

Location: A12-B, Roofing material-building B, S side

Lab ID-Version‡: 4931174-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Glass Fibers
Sample Composite Homogeneity:	Good

Location: A12-C, Roofing material-building B, E side

Lab ID-Version‡: 4931175-1

Sample Layers	Asbestos Content
Black Roofing Shingle	ND
Composite Non-Asbestos Content:	45% Glass Fibers
Sample Composite Homogeneity:	Good

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 C/O: Mr. Dennis Delaney
 Re: 2089 Harbor Blvd

Date of Sampling: 07-26-2013
 Date of Receipt: 07-31-2013
 Date of Report: 08-01-2013

ASBESTOS PLM REPORT: EPA-600/M4-82-020 & EPA METHOD 600/R-93-116

Location: A13-A, Drywall-building C, N side

Lab ID-Version‡: 4931176-1

Sample Layers	Asbestos Content
White Drywall	ND
Composite Non-Asbestos Content:	2% Glass Fibers
Sample Composite Homogeneity:	Good

Location: A13-B, Drywall-building C, S side

Lab ID-Version‡: 4931177-1

Sample Layers	Asbestos Content
White Drywall	ND
Composite Non-Asbestos Content:	2% Glass Fibers
Sample Composite Homogeneity:	Good

Location: A13-C, Drywall-building C, W side

Lab ID-Version‡: 4931178-1

Sample Layers	Asbestos Content
White Drywall	ND
Composite Non-Asbestos Content:	2% Glass Fibers
Sample Composite Homogeneity:	Good

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Advanced GeoEnvironmental, Inc.

www.advgeoenv.com

- 837 Shaw Road, Stockton, California 95215 • Phone (209) 467-1006 • Fax (209) 467-1118
- 381 Thor Place, Brea, California 92821 • Phone (714) 529-0200 • Fax (714) 529-0203
- 2318 Fourth Street, Santa Rosa, California 95404 • Phone (707) 570-1418 • Fax (707) 570-1461
- 395 Del Monte Center, #111, Monterey, California 93940 • Phone (800) 511-9300 • Fax (831) 394-5979

CHAIN OF CUSTODY RECORD

Date: _____ Page _____ of _____

Analysis Required



001093621

Project Name: 2089 Harbor Blvd

Client: Project Manager: JENNIS DELANEY
Sampler Initials & Signature: JMS DELANEY

Invoice to: AGE Clear

Lab Project No.:

Sample ID/Location/Description	Date	Time	Matrix	Number	Notes
SEE ATTACHED	7/24/13	1000			39 ACM samples
<i>(Large handwritten signature across the table)</i>					
					X PLM

Requisitioned by: JMS DELANEY

Date: _____ Time: _____

Laboratory: _____

Received by: _____

Date: _____ Time: _____

Requisitioned by: _____

Date: _____ Time: _____

Received by: _____

Date: 7-31-13 Time: Other

Requisitioned by: _____

Date: _____ Time: _____

Received by: _____

Date: _____ Time: _____

Requested Turn Around Time (circle): 24 hours 48 hours 72 hours 5 days (standard) Other: _____

Special Instructions to lab:

email results to ddelahey@advgeoenv.com nH 003 8/1/13

Matrix Codes: A = Air W = Water S = Soil

I hereby authorize the performance of the above indicated work.

Geotracker EDR to: geotracker@advgeoenv.com

Global ID: _____

Table 1
Results of ACM Sampling
2089 Harbor Boulevard
Costa Mesa, California



001093621

Sample Number	Suspected Asbestos Containing Material	Location of Material	Friable	Condition	Asbestos Content (Fibers/cc)	Approximate Square Footage
A1-A	Exterior Stucco	Building A, NW Corner	N	Damaged		
A1-B	Exterior Stucco	Building A, W Side	N	Damaged		
A1-C	Exterior Stucco	Building A, SW Corner	N	Damaged		
A2-A	Exterior Stucco	Building A, S Side	N	Damaged		
A2-B	Exterior Stucco	Building A, SE Corner	N	Damaged		
A2-C	Exterior Stucco	Building A, E Side	N	Damaged		
A3-A	Exterior Stucco	Building B, NW Corner	N	Damaged		
A3-B	Exterior Stucco	Building B, NW Corner	N	Damaged		
A3-C	Exterior Stucco	Building B, NW Corner	N	Damaged		
A4-A	Exterior Stucco	Building C, NW Corner	N	Damaged		
A4-B	Exterior Stucco	Building C, NW Corner	N	Damaged		
A4-C	Exterior Stucco	Building C, NW Corner	N	Damaged		
A5-A	Drywall	Building A, SW Hallway	Y	Significantly Damaged		
A5-B	Drywall	Building A, SE Hallway	Y	Significantly Damaged		
A5-C	Drywall	Building A, E Center Office	Y	Significantly		

Table 1 (Continued)
Results of ACM Sampling
2089 Harbor Boulevard
Costa Mesa, California



Sample Number	Suspected Asbestos Containing Material	Location of Material	Friable	Condition	Asbestos Content (Fibers/cc)	Approximate Square Footage
A6-A	Insulation	Building A, SE Hallway	Y	Damaged		
A6-B	Insulation	Building A, SE Office	Y	Significantly Damaged		
A6-C	Insulation	Building A, NE Office	Y	Damaged		
A7-A	Roofing Material	Building A, NE Corner	Y	Damaged		
A7-B	Roofing Material	Building A, SW Side	Y	Damaged		
A7-C	Roofing Material	Building A, E Side	Y	Damaged		
A8-A	Roofing Material	Building A, E Side	Y	Damaged		
A8-B	Roofing Material	Building A, E Side	Y	Damaged		
A8-C	Roofing Material	Building A, E Side	Y	Damaged		
A9-A	Acoustic Ceiling Material	Building B, SE Side	Y	Good		
A9-B	Acoustic Ceiling Material	Building B, SE Side	Y	Good		

Table 1 (Continued)
Results of ACM Sampling
2089 Harbor Boulevard
Costa Mesa, California

001093621



Sample Number	Suspected Asbestos Containing Material	Location of Material	Friable	Condition	Asbestos Content (Fibers/cc)	Approximate Square Footage
A9-C	Acoustic Ceiling Material	Building B, SE Side	Y	Good		
A10-A	12"x12" White Floor Tile	Building B, Kitchen	N	Damaged		
A10-B	12"x12" White Floor Tile	Building B, Kitchen	N	Damaged		
A10-C	12"x12" White Floor Tile	Building B, Kitchen	N	Damaged		
A11-A	Drywall	Building B, Kitchen, W Side	Y	Damaged		
A11-B	Drywall	Building B, Lounge, S Side	Y	Damaged		
A11-C	Drywall	Building B, Lounge, W Side	Y	Damaged		
A12-A	Roofing Material	Building B, N Side	N	Good		
A12-B	Roofing Material	Building B, S Side	N	Good		
A12-C	Roofing Material	Building B, E Side	N	Good		
A13-A	Drywall	Building C, N Side	Y	Significantly Damaged		
A13-B	Drywall	Building C, S Side	Y	Significantly Damaged		

**Table 1 (Continued)
Results of ACM Sampling
2089 Harbor Boulevard
Costa Mesa, California**



001093621

Sample Number	Suspected Asbestos Containing Material	Location of Material	Friable	Condition	Asbestos Content (Fibers/cc)	Approximate Square Footage
A13-C	Drywall	Building C, W Side	Y	Significantly Damaged		

ND - None Detected
NA - Not Applicable



Report for:

Mr. Dennis Delaney
Advanced GeoEnvironmental, Inc.
381 Thor Place
Brea, CA 92821

Regarding: Project: 2089 Harbor Blvd
EML ID: 1093626

Approved by:

Technical Manager
Dr. Kamashwaran Ramanathan

Dates of Analysis:
Lead Analysis (sub-contracted): 08-07-2013

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

**EMLab P & K - West
Melissa Tracey - San Bruno
1150 Bayhill Dr. Ste 100
San Bruno, CA 94066**

Re: Quantem ID 224812

Quantem appreciates the opportunity to provide analytical testing services to you. Attached are your reports and other supporting documentation for the above referenced project.

Thank you for making Quantem your lab of choice. If you have any question concerning this or other reports please feel free to contact us at 800-822-1650.

We continually work to improve our service. Help us out by providing feed back on your experience at www.QuanTEM.com. Click on Service Survey and fill out the form. We look forward to hearing from you.

Respectfully,
Quantem Laboratories, LLC.





2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

QuanTEM Set ID: 224812
Date Received: 08/01/13
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 8/1/2013

Client: EMLab P & K - West
 Melissa Tracey - San Bruno
 1150 Bayhill Dr. Ste 100
 San Bruno, CA 94066

Acct. No.: B762

Project: 001093626
Location: N/A
Project No.: N/A

AIHA ID: 101352

QuanTEM ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
001	P1-A	Paint	Lead	0.125	0.00501	%	08/01/13 16:00	P EPA 7000B (1)
002	P1-B	Paint	Lead	0.111	0.00482	%	08/01/13 16:00	P EPA 7000B (1)
003	P1-C	Paint	Lead	0.0489	0.00481	%	08/01/13 16:00	P EPA 7000B (1)
004	P2-A	Paint	Lead	0.0982	0.005	%	08/01/13 16:00	P EPA 7000B (1)
005	P2-B	Paint	Lead	0.0781	0.00532	%	08/01/13 16:00	P EPA 7000B (1)
006	P2-C	Paint	Lead	0.119	0.00575	%	08/01/13 16:00	P EPA 7000B (1)
007	P3-A	Paint	Lead	0.0373	0.00463	%	08/01/13 16:00	P EPA 7000B (1)
008	P3-B	Paint	Lead	0.0425	0.00467	%	08/01/13 16:00	P EPA 7000B (1)
009	P3-C	Paint	Lead	0.339	0.00504	%	08/01/13 16:00	P EPA 7000B (1)
010	P4-A	Paint	Lead	1.51	0.00442	%	08/01/13 16:00	P EPA 7000B (1)
011	P4-B	Paint	Lead	1.71	0.00488	%	08/01/13 16:00	P EPA 7000B (1)
012	P4-C	Paint	Lead	1.59	0.00488	%	08/01/13 16:00	P EPA 7000B (1)
013	P4-D	Paint	Lead	1.66	0.00509	%	08/01/13 16:00	P EPA 7000B (1)
014	P5-A	Paint	Lead	<0.00410	0.0041	%	08/01/13 16:00	P EPA 7000B (1)
015	P5-B	Paint	Lead	<0.00526	0.00526	%	08/01/13 16:00	P EPA 7000B (1)
016	P5-C	Paint	Lead	<0.00461	0.00461	%	08/01/13 16:00	P EPA 7000B (1)
017	P6-A	Paint	Lead	<0.00510	0.0051	%	08/01/13 16:00	P EPA 7000B (1)

Note: Sample results have not been corrected for blank values.

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Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Wipe materials must meet ASTM E1792 criteria. Method detection limits and resultant reporting limits may not be valid for non-ASTM E1792 wipe material.

EPA Method 7000B (1) = EPA 600/R-93/200 Preparation Modified. EPA 7000B Analysis Modified

EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

Environmental Chemistry Analysis Report

Quantem Set ID: 224812	Client: EMLab P & K - West
Date Received: 08/01/13	Melissa Tracey - San Bruno
Received By: Sherrie Leftwich	1150 Bayhill Dr. Ste 100
Date Sampled:	San Bruno, CA 94066
Time Sampled:	Acct. No.: B762
Analyst: BM	Project: 001093626
Date of Report: 8/1/2013	Location: N/A
	Project No.: N/A

AIHA ID: 101352

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
018	P6-B	Paint	Lead	<0.00527	0.00527	%	08/01/13 16:00	P EPA 7000B (1)
019	P6-C	Paint	Lead	<0.00510	0.0051	%	08/01/13 16:00	P EPA 7000B (1)
020	P7-A	Paint	Lead	0.0410	0.00487	%	08/01/13 16:00	P EPA 7000B (1)
021	P7-B	Paint	Lead	0.0548	0.00513	%	08/01/13 16:00	P EPA 7000B (1)
022	P7-C	Paint	Lead	0.00929	0.00551	%	08/01/13 16:00	P EPA 7000B (1)
023	P7-D	Paint	Lead	<0.00484	0.00484	%	08/01/13 16:00	P EPA 7000B (1)
024	P8-A	Paint	Lead	0.0252	0.00475	%	08/01/13 16:00	P EPA 7000B (1)
025	P8-B	Paint	Lead	0.0202	0.00524	%	08/01/13 16:00	P EPA 7000B (1)
026	P8-C	Paint	Lead	0.0173	0.00513	%	08/01/13 16:00	P EPA 7000B (1)
027	P9-A	Paint	Lead	0.0182	0.0154	%	08/01/13 16:00	P EPA 7000B (1)
028	P9-B	Paint	Lead	0.0448	0.00501	%	08/01/13 16:00	P EPA 7000B (1)
029	P9-C	Paint	Lead	<0.0224	0.0224	%	08/01/13 16:00	P EPA 7000B (1)
030	P10-A	Paint	Lead	<0.00525	0.00525	%	08/01/13 16:00	P EPA 7000B (1)
031	P10-B	Paint	Lead	<0.00514	0.00514	%	08/01/13 16:00	P EPA 7000B (1)
032	P10-C	Paint	Lead	<0.00455	0.00455	%	08/01/13 16:00	P EPA 7000B (1)
033	P10-D	Paint	Lead	<0.00492	0.00492	%	08/01/13 16:00	P EPA 7000B (1)

Note: Sample results have not been corrected for blank values.

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Environmental Chemistry Analysis Report

Quantem Set ID: 224812
Date Received: 08/01/13
Received By: Sherrie Leftwich
Date Sampled:
Time Sampled:
Analyst: BM
Date of Report: 8/1/2013

Client: EMLab P & K - West
Melissa Tracey - San Bruno
1150 Bayhill Dr. Ste 100
San Bruno, CA 94066

Acct. No.: B762
Project: 001093626
Location: N/A
Project No.: N/A

AIIHA ID: 101352

Quantem ID	Client ID	Matrix	Parameter	Results	Reporting Limits	Units	Date/Time Analyzed	Method
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Authorized Signature: _____

Benton Miller, Analyst

Note: Sample results have not been corrected for blank values.

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EPA Method 7082 (2) = EPA 600/R-93/200 Preparation Modified. EPA 7082 Analysis Modified

Supplemental Report QAQC Results

QA ID: 11262
Test: Lead

Date: 8/1/2013
Matrix: Paint

Lab Number: 224812
Approved By: Benton Miller
Date Approved: 8/1/2013

Notes:

Blank Data:

Type of Blank	Blank Value
FCB	0
Matrix Blank	0

Standards Data:

Standard	Low Limit	Obtained	High Limit
CCV	4.5	5	5.5
FCV	4.5	5.1	5.5
ICV	0.9	1	1.1
RLVS	0.08	0.089	0.12

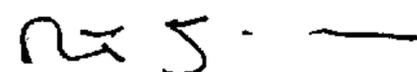
Duplicate Data:

Sample Number	Result	Duplicate	% RPD
224812-001	2.501	2.483	0.7
224721-008	4.045	4.418	8.8

Recovery Data:

Sample Number	Result	Spike Level	Result + Spike	% Recovery	Dup. Result + Spike	% Dup. Recovery	% Spike RPD
LCS-P3	0.000	1.883	1.796	95.4	1.668	88.6	7.4
LCS-P2	0.000	1.879	1.941	103.3	1.903	101.3	2.0
LCS-P1	0.000	1.885	1.871	99.3	1.860	98.7	0.6
224812-023	0.020	2.000	2.112	104.6			
224812-001	2.501	2.000	4.400	95.0			
224721-008	4.045	2.000	5.682	81.9			

Authorized Signature: _____



Benton Miller, Analyst

