### Wipe Sample Survey

910 81<sup>st</sup> Avenue, Unit #18 Oakland, California

Project No. 4007

Prepared For

Mr. Richard Weinstein/Weinstein Commercial Investments 360 17<sup>th</sup> Street, Suite 218 Oakland, CA 94612-3340

Prepared By

AEI Consultants 3210 Old Tunnel Road, Suite B Lafayette, CA 94549 (800) 801-3224



Phone: (925) 283-6000

Fax: (925) 283-6121

December 18, 2000

Richard Weinstein Weinstein Commercial Investments 360 17<sup>th</sup> Street, Suite 218 Oakland, CA 94612-3340

Subject:

Wipe Sample Survey

910 81<sup>st</sup> Avenue, Unit #18 Oakland, CA 94621 AEI Project No. 4007

Dear Mr. Weinstein:

On October 6 and 10 and November 29, 2000, AEI Consultants (AEI) was contracted by Mr. Richard Weinstein and United Commercial Bank to perform wipe sample surveys at the property referenced above. The survey was performed in order to determine if remnant concentrations of arsenic, cadmium, chromium, lead, zinc (LUFT 5 Metals) and mercury were present in Unit 18, which was formerly occupied by a metal plating facility.

### 1.0 SITE DESCRIPTION AND BACKGROUND

The subject property is located on the south side of 81<sup>st</sup> Avenue, east of San Leandro Street. The subject property building consists of a multi-tenant commercial building that is utilized for light industrial and storage purposes. Unit 18 is currently utilized for storage purposes.

During a September 2000 Phase I Environmental Site Assessment performed by AEI, records were found indicating Elmhurst Anodizing, a former tenant of the subject property, operated a metal plating shop from approximately 1990 to early 1996. Upon vacating the property, Elmhurst left an extensive amount of equipment and hazardous chemicals used for metal plating. Following a routine inspection by the Alameda County Health Care Services Agency (ACHCSA), it was determined that the chemicals remaining at the site posed a significant threat to human health and safety. A site assessment was subsequently conducted by Ecology and Environment, Inc., an EPA contractor, to inventory the chemicals and various equipment remaining at the property. In March 1996, a three-phase response action approach for the removal and disposal of hazardous materials and building decontamination was conducted by Following the removal and decontamination activities, Subsurface certified contractors. Consultants, Inc. (SCI), obtained a soil sample from outside the rear door of the facility. The metal concentrations in the sample were below reportable limits. In addition, six wipe samples were collected at floor and wall locations near the former above ground storage tanks inside the Analytical results indicated remnant concentrations of mercury, lead, zinc, chromium cadmium, and arsenic up to 1.3 ug/cm<sup>2</sup>, 88 ug/cm<sup>2</sup>, 130 ug/cm<sup>2</sup>, 2.6 ug/cm<sup>2</sup>, 1.9 ug/cm<sup>2</sup>, respectively. Hairline cracks and pitting were also noted in the concrete slab following the decontamination process.

Based on the remediation activities performed and the analytical results from the soil and wipe samples collected, SCI concluded that the releases to the ground surface via slab drainage to the rear yard did not significantly impact surface soils. The soil analyses indicated a neutral pH and typical background levels of heavy metals. However, SCI did conclude that the walls and floor of the building space were exposed to chemicals and would most likely contain surface residues. Based on the information presented in the Phase I report, AEI recommended the collection of wipe samples in order to determine if remnant concentrations of metals still remained within the unit.

### 2.0 SAMPLING ACTIVITIES AND RESULTS

On October 6 and 10, 2000, AEI collected six wipe samples from the concrete floor and the floor and wall interface within Unit 18. Two wipes were collected per designated area. Each wipe sample represented an area of one square foot. The wipe samples were labeled and sealed in plastic collection tubes and transported under chain of custody protocol to Forensic Analytical Laboratories for analysis. The samples were analyzed for arsenic, cadmium, chromium, lead, zinc (LUFT 5 Metals) and mercury. Refer to Figure 1 for wipe sample locations.

Elevated concentrations of metals were detected in the samples collected during these sampling periods. In particular, levels of lead, zinc and mercury were detected up to 3,500 ug/sf<sup>2</sup>, 1,200 ug/sf<sup>2</sup>, and 0.48 ug/sf<sup>2</sup>, respectively. Refer to Appendix A for the analytical results and reporting limits. Upon verification of the results, AEI recommended pressure washing the concrete slab and walls and encapsulating both surfaces in order to reduce the potential of exposure to future occupants of the unit. In addition, AEI recommended an additional sampling episode following the encapsulation process.

On November 29, 2000, AEI collected four wipe samples in the approximate areas of the previous sampling episodes. Concentrations of lead, zinc and mercury were detected up to 27 ug/sf<sup>2</sup>, 69 ug/sf<sup>2</sup>, and 0.52 ug/sf<sup>2</sup>, respectively. Refer to Appendix A for the analytical results and reporting limits.

Based on the results of the final sampling episode, it is apparent that the levels of metals detected within the unit have been significantly reduced compared to the initial levels detected during the 1996 sampling episode. Low-level remnant concentrations of lead, zinc and mercury remain within the unit. According to the EPA, no clearance levels for mercury, zinc, chromium, cadmium, and arsenic in dust have been established. However, the clearance level for lead in dust has been set at 100 ug/ft<sup>2</sup>. The current level of lead detected in the unit is approximately 3.7 times lower than this level. Based on the significant decrease in the concentrations of the metals from the 1996 sampling episode and the continued commercial use of the unit, no further remediation is recommended at this time. However, AEI recommends periodic inspection to ensure the integrity of the encapsulation.

### 3.0 LIMITATIONS

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the required information, but it cannot be assumed that they are representative of areas not sampled. All conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document.

These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work.

If you have any questions regarding our investigation, please do not hesitate to contact me at (925) 283-6000.

Sincerely,

Orion Alcalay

**Environmental Scientist** 

Joseph P. Derhake, PE, CAC

Senior Author

cc: Mr. Nick Ames, United Commercial Bank

711 Van Ness Avenue, San Francisco, CA 94102

### **FIGURES**

AEI-2 AEI-6 (10/6) AEI-5 (10/10) AEI-3 (10/6) AE!-3 (10/10) AEI-1 (10/6)AEI-1 (10/10) AEI-4 AEI-4 (10/10) (10/6) SIDE DOOR



AEI-1 (10/6) -WIPE SAMPLE COLLECTED 10/6/00

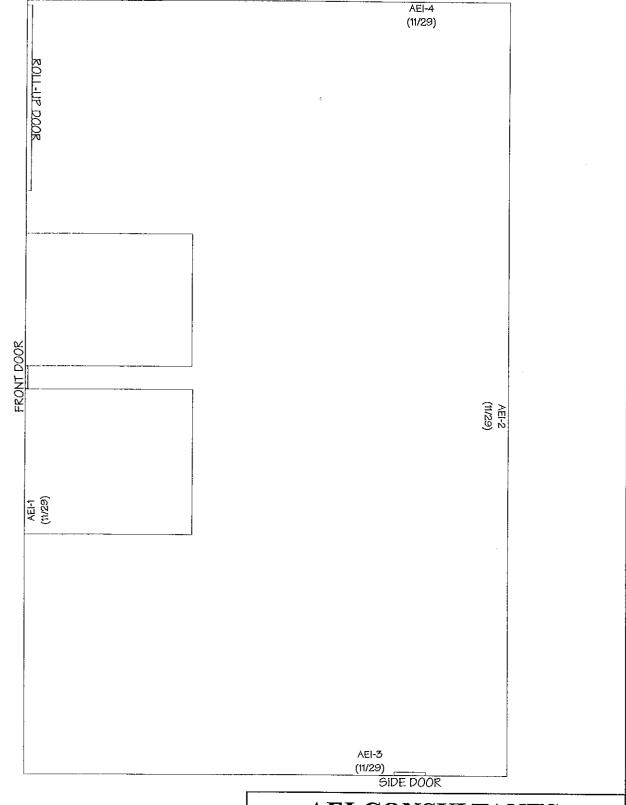
AEI-1 -WIPE SAMPLE COLLECTED 10/10/00 (10/10)

AEI CONSULTANTS.
3210 OLD TUNNEL ROAD, SUITE B, LAFAYETTE, CA

### WIPE SAMPLE LOCATIONS

910 81ST AVE. SUITE 18 OAKLAND, CALIFORNIA

FIGURE 1





AEI-1 -WIPE SAMPLE COLLECTED 11/29/00

AEI CONSULTANTS.
3210 OLD TUNNEL ROAD, SUITE B, LAFAYETTE, CA

### WIPE SAMPLE LOCATIONS

910 81ST AVE. SUITE 18 OAKLAND, CALIFORNIA

FIGURE 2

### APPENDIX A

# LABORATORY ANALYTICAL AND CHAIN OF CUSTODY DOCUMENTATION



## Metals Analysis of IH Wipes

AEI Consultants John Ormerod 3210 Old Tunnel Road #B

Lafayette, CA 94549-4457

Client ID:

3122

Report Number:

M037478 10/06/00

Date Received: Date Analyzed:

10/00/00

Date Printed:

10/09/00

Job ID / Site: Weinstein, 910 81st Ave., Oakland

FASI Job ID:

3122-84

AEI-1  30023511  As 1.0 7 ug/ft2 2 HUD Apd. 1 Cd 1.0 14 ug/ft2 1 HUD Apd. 1 Pb 1.0 790 ug/ft2 2 HUD Apd. 1 Zn 1.0 830 ug/ft2 3 OSHA ID-12 Cd 1.0 19 ug/ft2 1 HUD Apd. 1 Cd 1.0 4 ug/ft2 1 HUD Apd. 1 Cd 1.0 4 ug/ft2 1 HUD Apd. 1 Cd 1.0 4 ug/ft2 2 HUD Apd. 1 Cr 1.0 19 ug/ft2 2 HUD Apd. 1 Pb 1.0 46 ug/ft2 2 HUD Apd. 1 Pb 1.0 46 ug/ft2 2 HUD Apd. 1 Cd 1.0 < 1 ug/ft2 3 OSHA ID-12 Cd 1.0 < 1 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 1 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 1 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 1 ug/ft2 2 HUD Apd. 1 Cd 1.0 < 1 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 1 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 1 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 2 ug/ft2 2 HUD Apd. 1 Cd 1.0 < 2 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 2 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 2 ug/ft2 1 HUD Apd. 1 Cd 1.0 < 3 ug/ft2 1 HUD Apd. 1 Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cd 1.0 3 ug/ft2 2 HUD Apd. 1 Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cd 1.0 3 ug/ft2 2 HUD Apd. 1 Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cd 1.0 3 ug/ft2 2 HUD Apd. 1 Cd 1.0 3 ug/ft2 2 HUD Apd. 1 Cd 1.0 10 ug/ft2 3 OSHA ID-12 AEI-5 AEI-5 AEI-6 AEI-6 AEI-6 AEI-6 AEI-6 AEI-7 AEI-8 AEI-8 AEI-9 AEI-	Sample Number	Lab Number	Analyte	Area ft2	Result	Result Units	Reporting Limit	Method Reference	<del></del>
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AEI-4  AEI-5  AEI-6  AEI-6  AEI-6  AEI-6  AEI-1  AEI-2  AEI-2  AEI-2  AEI-2  AEI-2  AEI-2  AEI-3  AEI-2  AEI-3  AEI-3  AEI-3  AEI-3  AEI-3  AEI-4  AEI-4  AEI-6  AEI-6  AEI-6  AEI-6  AEI-6  AEI-6  AEI-6  AEI-8  AEI-8  AEI-9  AEI-9  AEI-9  AEI-9  AEI-9  AEI-1  AEI-1  AEI-1  AEI-1  AEI-2  AEI-1  AEI-2  AEI-1  AEI-2  AEI-2  AEI-3  AEI-3  AEI-3  AEI-3  AEI-3  AEI-3  AEI-3  AEI-3  AEI-3  AEI-4  AEI-4  AEI-6  AEI-6  AEI-6  AEI-6  AEI-6  AEI-6  AEI-6  AEI-8  AEI-9  AE	•		Cd	1.0	14	ug/ft2	1	HUD Apd. 14.2	
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AEI-5  AEI-6  Cd  1.0  Cr  1.0  7  ug/ft2  1  HUD Apd. 1  HUD Apd. 1  Pb  1.0  22  ug/ft2  2  HUD Apd. 1  As 1.0  Cd  1.0  3  ug/ft2  1  HUD Apd. 1  Cr  1.0  11  ug/ft2  1  HUD Apd. 1  HUD Apd. 1  Cr  1.0  11  ug/ft2  1  HUD Apd. 1  Pb  1.0  28  ug/ft2  1  HUD Apd. 1  Zn  1.0  97  ug/ft2  3  OSHA ID-12  AEI-5  As 1.0  6  ug/ft2  1  HUD Apd. 1  Cr  1.0  18  ug/ft2  1  HUD Apd. 1  Cr  1.0  18  ug/ft2  1  HUD Apd. 1  Cr  1.0  160  ug/ft2  1  HUD Apd. 1  Pb  1.0  3500  ug/ft2  2  HUD Apd. 1  Cr  1.0  160  ug/ft2  1  HUD Apd. 1  Cr  1.0  160  ug/ft2  1  HUD Apd. 1  Cr  1.0  100  ug/ft2  1  HUD Apd. 1  Pb  1.0  3500  ug/ft2  2  HUD Apd. 1  Pb  1.0  3500  ug/ft2  1  HUD Apd. 1  Pb  1.0  30023516  As 1.0  3  ug/ft2  1  HUD Apd. 1  Pb  1.0  25  ug/ft2  1  HUD Apd. 1  Pb  1.0  150  ug/ft2  1  HUD Apd. 1	AEI-3	30023513	As	1.0	< 2	ug/ft2	2	HUD Apd. 14.2	
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AEI-4  30023514  AEI-4  30023514  AS 1.0 < 2 ug/ft2 2 HUD Apd. 1  Cd 1.0 3 ug/ft2 2 HUD Apd. 1  Cr 1.0 11 ug/ft2 1 HUD Apd. 1  Pb 1.0 28 ug/ft2 2 HUD Apd. 1  Zn 1.0 97 ug/ft2 2 HUD Apd. 1  Pb 1.0 28 ug/ft2 2 HUD Apd. 1  Zn 1.0 97 ug/ft2 3 OSHA ID-12  Zn 1.0 97 ug/ft2 3 OSHA ID-12  Cd 1.0 18 ug/ft2 2 HUD Apd. 1  Cd 1.0 18 ug/ft2 1 HUD Apd. 1  Cr 1.0 160 ug/ft2 2 HUD Apd. 1  Cr 1.0 160 ug/ft2 1 HUD Apd. 1  Pb 1.0 3500 ug/ft2 2 HUD Apd. 1  AEI-6  30023516  AS 1.0 3 ug/ft2 3 OSHA ID-12  Cd 1.0 3 ug/ft2 2 HUD Apd. 1  Cd 1.0 3 ug/ft2 1 HUD Apd. 1  Cd 1.0 3 ug/ft2 1 HUD Apd. 1  Cd 1.0 3 ug/ft2 1 HUD Apd. 1  Cd 1.0 3 ug/ft2 2 HUD Apd. 1  Cd 1.0 3 ug/ft2 1 HUD Apd. 1  Cd 1.0 25 ug/ft2 1 HUD Apd. 1  Cr 1.0 25 ug/ft2 1 HUD Apd. 1  Cr 1.0 25 ug/ft2 1 HUD Apd. 1  Cr 1.0 25 ug/ft2 1 HUD Apd. 1			Cr	1.0	7	ug/ft2	1	HUD Apd. 14.2	
AEI-4  30023514  As 1.0			Рb	1.0	22	ug/ft2	2	HUD Apd. 14.2	
Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cr 1.0 11 ug/ft2 1 HUD Apd. 1 Pb 1.0 28 ug/ft2 2 HUD Apd. 1 Zn 1.0 97 ug/ft2 3 OSHA ID-12 Cd 1.0 18 ug/ft2 1 HUD Apd. 1 Cd 1.0 18 ug/ft2 1 HUD Apd. 1 Cd 1.0 18 ug/ft2 1 HUD Apd. 1 Cr 1.0 160 ug/ft2 1 HUD Apd. 1 Cr 1.0 3500 ug/ft2 2 HUD Apd. 1 Zn 1.0 1200 ug/ft2 3 OSHA ID-12 Cn 1.0 1200 ug/ft2 1 HUD Apd. 1 Zn 1.0 1200 ug/ft2 2 HUD Apd. 1 Zn 1.0 1200 ug/ft2 1 HUD Apd. 1 Zn 1.0 150 ug/ft2 1 HUD Apd. 1 Zn 1.0 150 ug/ft2 1 HUD Apd. 1 Zn 1.0 150 ug/ft2 2 HUD Apd. 1 Zn 1.0 150 ug/ft2 2 HUD Apd. 1			Zn	1.0	97	ug/ft2	3	OSHA ID-121	
Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cr 1.0 11 ug/ft2 1 HUD Apd. 1 Pb 1.0 28 ug/ft2 2 HUD Apd. 1 Zn 1.0 97 ug/ft2 3 OSHA ID-12 Cd 1.0 18 ug/ft2 1 HUD Apd. 1 Cd 1.0 18 ug/ft2 1 HUD Apd. 1 Cr 1.0 160 ug/ft2 1 HUD Apd. 1 Cr 1.0 160 ug/ft2 1 HUD Apd. 1 Pb 1.0 3500 ug/ft2 2 HUD Apd. 1 Zn 1.0 1200 ug/ft2 3 OSHA ID-12 Cd 1.0 3 ug/ft2 2 HUD Apd. 1 Zn 1.0 3500 ug/ft2 2 HUD Apd. 1 Zn 1.0 1200 ug/ft2 1 HUD Apd. 1 Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cr 1.0 25 ug/ft2 1 HUD Apd. 1 Pb 1.0 150 ug/ft2 2 HUD Apd. 1	AEI-4	30023514	As	1.0	< 2	ug/ft2	2	HUD Apd. 14.2	
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Pb 1.0 28 ug/ft2 2 HUD Apd. 1 Zn 1.0 97 ug/ft2 3 OSHA ID-12 AEI-5 30023515 As 1.0 6 ug/ft2 2 HUD Apd. 1 Cd 1.0 18 ug/ft2 1 HUD Apd. 1 Cr 1.0 160 ug/ft2 1 HUD Apd. 1 Pb 1.0 3500 ug/ft2 2 HUD Apd. 1 Zn 1.0 1200 ug/ft2 3 OSHA ID-12 Zn 1.0 1200 ug/ft2 3 OSHA ID-12 Cd 1.0 3 ug/ft2 2 HUD Apd. 1 Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cd 1.0 3 ug/ft2 1 HUD Apd. 1 Cd 1.0 25 ug/ft2 1 HUD Apd. 1 Pb 1.0 150 ug/ft2 2 HUD Apd. 1			Cr	1.0	11	ug/ft2	1	HUD Apd. 14.2	
AEI-5  30023515  As 1.0 97 ug/ft2 3 OSHA ID-12  Cd 1.0 18 ug/ft2 1 HUD Apd. 1-  Cr 1.0 160 ug/ft2 1 HUD Apd. 1-  Pb 1.0 3500 ug/ft2 2 HUD Apd. 1-  Zn 1.0 1200 ug/ft2 3 OSHA ID-12  AEI-6  30023516  As 1.0 3 ug/ft2 2 HUD Apd. 1-  Cd 1.0 3 ug/ft2 1 HUD Apd. 1-  Cd 1.0 25 ug/ft2 1 HUD Apd. 1-  Cr 1.0 25 ug/ft2 1 HUD Apd. 1-  Pb 1.0 150 ug/ft2 2 HUD Apd. 1-  Pb 1.0 150 ug/ft2 2 HUD Apd. 1-  Cd 1.0 Apd.			Pb	1.0	28	ug/ft2	2	HUD Apd. 14.2	
Cd 1.0 18 ug/ft2 1 HUD Apd. 14 Cr 1.0 160 ug/ft2 1 HUD Apd. 14 Pb 1.0 3500 ug/ft2 2 HUD Apd. 14 Zn 1.0 1200 ug/ft2 3 OSHA ID-12 AEI-6 30023516 As 1.0 3 ug/ft2 2 HUD Apd. 14 Cd 1.0 3 ug/ft2 1 HUD Apd. 14 Cr 1.0 25 ug/ft2 1 HUD Apd. 14 Pb 1.0 150 ug/ft2 2 HUD Apd. 14 Pb 1.0 150 ug/ft2 2 HUD Apd. 14			Zn	1.0	97	ug/ft2	3	OSHA ID-121	
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Cr 1.0 160 ug/ft2 1 HUD Apd. 14 Pb 1.0 3500 ug/ft2 2 HUD Apd. 14 Zn 1.0 1200 ug/ft2 3 OSHA ID-12 AEI-6 30023516 As 1.0 3 ug/ft2 2 HUD Apd. 14 Cd 1.0 3 ug/ft2 1 HUD Apd. 14 Cr 1.0 25 ug/ft2 1 HUD Apd. 14 Pb 1.0 150 ug/ft2 2 HUD Apd. 14			Cd	1.0	18	ug/ft2	1	HUD Apd. 14.2	
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Zn 1.0 1200 ug/ft2 3 OSHA ID-12 AEI-6 30023516 As 1.0 3 ug/ft2 2 HUD Apd. 14 Cd 1.0 3 ug/ft2 1 HUD Apd. 14 Cr 1.0 25 ug/ft2 1 HUD Apd. 14 Pb 1.0 150 ug/ft2 2 HUD Apd. 14			Pb	1.0	3500	ug/ft2	2	HUD Apd. 14.2	
AEI-6 30023516 As 1.0 3 ug/ft2 2 HUD Apd. 14 Cd 1.0 3 ug/ft2 1 HUD Apd. 14 Cr 1.0 25 ug/ft2 1 HUD Apd. 14 Pb 1.0 150 ug/ft2 2 HUD Apd. 14			Zn	1.0	1200	ug/ft2	3	OSHA ID-121	
Cd 1.0 3 ug/ft2 1 HUD Apd. 14 Cr 1.0 25 ug/ft2 1 HUD Apd. 14 Pb 1.0 150 ug/ft2 2 HUD Apd. 14	AEI-6	30023516	As	1.0	3	ug/ft2	2	HUD Apd. 14.2	
Cr 1.0 25 ug/ft2 1 HUD Apd. 14 Pb 1.0 150 ug/ft2 2 HUD Apd. 14			Cd	1.0	3		1	HUD Apd. 14.2	
Pb 1.0 150 ug/ft2 2 HUD Apd. 14			Cr	1.0	25	ug/ft2	1	HUD Apd. 14.2	
7			Pb	1.0	150			HUD Apd. 14.2	
2.11 1.0 240 ug/tt2 3 OSHA ID-12			Zn	1.0	240	ug/ft2	3	OSHA ID-121	



### Forensic Analytical

### Analysis Request Form

Client Name & Address	•.		P.O. #:	4007		Date:	1016	100
#3122 AEI Consult	ants			nd Time:	hr/ 12hr /			
3210 Old Tu	nnel Rd.,	Ste. B,	7.7	10113				am/pm
Lafayette, C	A 94549-4	457		Standard /			PCM: NIC	
Contact: John Ormero				Air: AHER				
Phone #: 925-944-289!	9			Bulk: 🔲 Qua Water: 🗇 Pot				eld
			1 —	Microvac				
Fax #: 925-944-289	5		☐ Specia	l Project:			. +~	~D/
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. Sample ID	Date/ Time	Sample Location/De	scription		FOR AIR SAN me On/Off		Total	Sample Area or Air Volume
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A31-2	1,2	s. wan		A P C				
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AEL-4	3:30	S. wen		P <sub>C</sub>				
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Date / Time:	אלושוי	Pote Time:			Date / Tin	ne:		
Condition Acceptable?	8 II N	Condition Accepta	ble? 🔲 Yes	. □ No	Condition	Accentable	? ∏ Vae	

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545 / Telephone: (510)887-8828 (800)827-FASI / Fax: (510)887-4218 Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Telephone: (310)763-2374 / Fax: (310)763-8884 St. Paul Office: 800 Transfer Road, Suite 7A, St. Paul, Minnesota 55114 / Telephone: (651)644-1007 / Fax: (651)644-1011



## Metals Analysis of HUD

**AEI Consultants** John Omerod 3210 Old Tunnel Road #B

Lafayette, CA 94549-4457

Client ID:

3122

Report Number:

M037525

Date Received: Date Analyzed: 10/10/00 10/13/00

Date Printed:

10/13/00

Job ID / Site: Weinstein, 910 81st Ave., Oakland

FASI Job ID:

3122-84

Sample Number	Lab Number	Analyte	Area ft2	Result	Result Units	Reporting Limit	Method Reference
AEI-6	30023855	Hg	1.0	1.7	ug/ft2	0.3	OSHA ID 145
AEI-5	30023856	Hg	1.0	2.	ug/ft2	. 2	OSHA ID 145
AEI-4	30023857	$\mathbf{H}\mathbf{g}$	1.0	0.8	ug/ft2	0.2	OSHA ID 145
AEI-3	30023858	Hg	1.0	1.8	ug/ft2	0.3	OSHA ID 145
AEI-2	30023859	Hg	1.0	0.48	ug/ft2	0.03	OSHA ID 145
AEI-1	30023860	Hg	1.0	1.3	ug/ft2	0.2	OSHA ID 145

David Erdman, Laboratory Supervisor, Hayward Laboratory

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Fore	Forensic Analytical				Analysis Request Form						
Client Name & Address	: ,		P.O.#: 4	400	1	Detail	- / > >				
#3122 AET consultants				P.O.#: 1007 Date: 0 / 10 60  Turn Around Time:hr/ 12hr / 24hr / 48 hr / ext: 5day /							
<b>.</b> _ [						·		, day			
3210 OH TM			Due Date:	Standa	3 / 🗪	Due Time:	: PCM: NIO	am/pm			
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Phone #:			🔲 ТЕМЕ	Bulk: 🗖	Quantitative / [	Qualitative	/ 🗖 Chatfle	eld .			
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Fax #: \$25 - 283 - Site:	-612	.\	☐ Special	•							
Site:  910 8F2 Aug	و - ع	Mila d	☐ Metals /	Anaiysis	Method 20	8/col	- VOJOO/				
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Comments:	<u> </u>	0:	Analytes:_	necc	vrez_						
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Sample ID	Date/	Sample Location/De	scription		FOR AIR SA	OR AIR SAMPLES ONLY					
	Time			Туре	Time On/Off	Avg. LPM	Total **	Air Volume			
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	10/00	side well		A				·.			
MEL'S		Side valu		AC							
AE1-4	19/0			PC							
a5.1-3	19	sde vall		A P							
	19/10	Edenoon		A P.							
AEL-Z	1:30			C							
AE1-1	10/	N. West		РС							
	75			A							
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				РС							
				A							
				C A							
				P							
Sampled by: O. A-Q	كصيص	2-	Date:	0 / 1	0 100	Time:	しょうて	>			
Shipped via: 🗖 Fed Ex 🏻	J Airbor	ne 🗆 UPS 🗂 USM	lail 🗖 Co	urier [	Drop Off	□ Other:					

San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545 / Telephone: (510)887-8828 (800)827-FASI / Fax: (510)887-4218 Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Telephone: (310)763-2374 / Fax: (310)763-8684 St. Paul Office: 800 Transfer Road, Suite 7A, St. Paul, Minnesota 55114 / Telephone: (612)644-1007 / Fax: (612)644-1011

Condition Acceptable? 
Yes

Relinquished by:

Date / Time:

Date / Time:

Condition Acceptable? Yes

□ No

Received by:

Relinquished by:

Date / Time:

Received by:

Date / Time:

Relinquished by:

Received by:

Date / Time:

Date / Time: 10/10

Condition Acceptable?



## Metals Analysis of IH Wipes

AEI Consultants Orion Alachalay 3210 Old Tunnel Road #B

Lafayette, CA 94549-4457

Job ID / Site: 4007, 910 81st Ave. Oakland

 Client ID:
 3122

 Report Number:
 M038526

 Date Received:
 11/29/00

 Date Analyzed:
 11/30/00

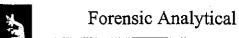
 Date Printed:
 12/01/00

 First Reported:
 11/30/00

FASI Job ID:

3122-84

Sample Number	Lab Number	Analyte	Area ft2	Result	Result Units	Reporting Limit	Method Reference
AEI-1-N. FLOOR	30029140	As	1.0	< 2	ug/ft2	2	OSHA ID-121
		Cd	1.0	< 1	ug/ft2	1	OSHA ID-121
	•	Cr	1.0	< 1	ug/ft2	1	OSHA ID-121
		Pb	1.0	< 2	ug/ft2	2	OSHA ID-121
		Zn	1.0	35	ug/ft2	3	OSHA ID-121
AEI-1-N. WALL FLOOR	30029141	As	1.0	< 2	ug/ft2	2	OSHA ID-121
		Cd	1.0	< 1	ug/ft2	. 1	OSHA ID-121
		Cr	1.0	< 1	ug/ft2	1	OSHA ID-121
		· Pb	1.0	< 2	ug/ft2	2	OSHA ID-121
		Zn	1.0	5	ug/ft2	3 .	OSHA ID-121
AEI-2	30029142	As	1.0	< 2	ug/ft2	2	OSHA ID-121
		Cd	1.0	< 1	ug/ft2	. 1	OSHA ID-121
		Cr	1.0	< 1	ug/ft2	. 1	OSHA ID-121
		РЬ	1.0	27	ug/ft2	2	OSHA ID-121
		Zn	1.0	50	ug/ft2	3	OSHA ID-121
AEI-3	30029143	As	1.0	< 2	ug/ft2	2	OSHA ID-121
		Cd	1.0	< 1	ug/ft2	1	OSHA ID-121
		Cr	1.0	3	ug/ft2	1	OSHA ID-121
		Pb	1.0	< 2	ug/ft2	2	OSHA ID-121
		Zn	1.0	69	ug/ft2	3	OSHA ID-121
AEI-4	30029144	As	1.0	< 2	ug/ft2	2	OSHA ID-121
		Cd	1.0	< 1	ug/ft2	1	OSHA ID-121
		Cr	1.0	< 1	ug/ft2	1	OSHA ID-121
		Pb	1.0	< 2	ug/ft2	2	OSHA ID-121
		Zn	1.0	13	ug/ft2	3	OSHA ID-121



### Analysis Request Form

Client Name & Address:			P.O. #:			Date: /	1179	100		
# AEI COUS	el (tan)	ko.	Turn Around Time:hr/ 12hr / 24hr / 48 hr / ext:							
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925-288-6 Fax#:	6000	·	TEM Microvac							
125-283-	6/21		☐ Special	Project:		/				
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Job: 4007		· · · · · · · · · · · · · · · · · · ·	Matrix: Analytes:	arsenic	<u> cadmin</u> Hervney	e, chn	mu in			
Comments:		1 4	(oa	f zinc.	Herevry	7				
one wronge -	per 59. 7							Sample		
Sample ID	Date/ S Time	iample Location/De	scription		OR AIR SAMPL 16 On/Off Av		Total Time	Area or Air Volume		
ACT-1 N. Floor	11/19 1	U.Floor site	Mour	А		and a second	11110	VOIGITIO		
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AEI-I N. Floor	11/29	· · · · · · · · · · · · · · · · · · ·	<i>''</i>	P C			-			
ACI-1 Hg	11/29 N	· Floor side	ea m	A C						
AE1-2	11/79 5	. Floor (Wel	el)	P C						
AE1-2 1/g	11/29	" "	112.	A C			,			
AET-3	11/29 W	·Floor	•	Р С						
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San Francisco Office: 3777 Depot Road, Suite 409, Hayward, California 94545 / Telephone: (510)887-8828 (800)827-FASI / Fax: (510)887-4218 Los Angeles Office: 2959 Pacific Commerce Drive, Rancho Dominguez, California 90221 / Telephone: (310)763-2374 / Fax: (310)763-8684 St. Paul Office: 800 Transfer Road, Suite 7A, St. Paul, Minnesota 55114 / Telephone: (612)644-1007 / Fax: (612)644-1011



### Metals Analysis of IH Wipes

**AEI Consultants** Orion Alchalay 3210 Old Tunnel Road #B

Lafayette, CA 94549-4457

Job ID / Site: 4007, 910 81st Ave. Oakland

Client ID:

3122

Report Number:

M038527

Date Received: Date Analyzed: 11/29/00

Date Printed:

11/30/00

First Reported:

12/01/00

11/30/00

FASI Job ID:

3122-84

Sample Number	Lab Number	Analyte	Area ft2	Result	Result Units	Reporting Limit	Method Reference	•	
AEI-1	30029145	Hg	1.0	0.33	ug/ft2	0.03	OSHA ID 145		
AEI-2	30029146	Hg	1.0	0.16	ug/ft2	0.03	OSHA ID 145		
AEI-3	30029147	Hg	1.0	0.52	ug/ft2	0.03	OSHA ID 145		
AEI-4	30029148	Hg	1.0	0.05	ug/ft2	0.03	OSHA ID 145		

Smon

Dave Sandusky, Laboratory Supervisor, Hayward Laboratory

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Forensic Analytical

### Analysis Request Form

Client Name & Address	•	<del></del>	· · · · · · · · · · · · · · · · · · ·							
c / "	•		P.O. #:		_	Date:	172	160		
# AEI COMS.	u (ta	Yo.	Turn Around Time:hr/ 12hr / 24hr / 48 hr / ext:							
		· .	Due Date:	1	/ t	)ua Timo:		am/nm		
				J Standard /	☐ Point C		D PCM: NIC	am/pm DSH 7400		
Contact:  ()RI(N) ALCI Phone #:	+LAY		☐ TEM /	Air: AHERA	√ ☐ Yama	te2/ NIOS	SH 7402	· · · · · · · · · · · · · · · · · · ·		
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725-283-0 Fax#:	5000		☐ TEM I	Microvac						
Fax #: 777 — 783 -	-6/2/									
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Job: 400 Z			Analytes:	wife		ivy, chn				
Comments:		2 (		, zinc		vix, con	sour or	<u> </u>		
one wipe -	per sq.	1 t.	,	7 - 7						
Sample ID	Date/	Sample Location/Des	scription		OR AIR SA	MPLES ONLY		Sample Area or		
	Time	•	·	Type Ti	me On/Off	Avg. LPM	Total Time	Air Volume		
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- '	11:05			С			<del></del>			
ACT-1 N. Floor	11/25	(*	"	P C						
AEI-1 Hg	1	N.Floor sider	JON ser	A P						
AE1-2	<del>                                     </del>	5. Floor (Wal	H)	A			*			
AE1-2 /g	11/21	" "	112.	A P			<del></del> .			
HE7-3	<del> </del>	N. Floor		A P C			· · · · · · · · · · · · · · · · · · ·			
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