

COUNTY OF ALAMEDA

ADDENDUM No. 1

to

ALAMEDA COUNTY BID #902363

for

LAKESIDE BUILDING SECURITY IMPROVEMENTS

This County of Alameda, General Services Agency (GSA), Addendum has been electronically issued to potential bidders via e-mail and will also be posted on the GSA Contracting Opportunities website located at <u>Alameda County Current Contracting</u> Opportunities.

ALIFORNIA



Alameda County is committed to reducing environmental impacts across our entire supply chain. If printing this document, please print only what you need, print double-sided, and use recycled-content paper.

County of Alameda, General Services Agency Bid No. 902363 Addendum No. 1

TO ALL PROSPECTIVE BIDDERS for the above project, notice is hereby given that the following changes, modifications, corrections, clarifications, and additions, as herein set forth, shall apply to the specifications herein and shall be made part thereof and subject to all requirements as if originally specified or drawn. **Receipt of this Addendum No. # must be acknowledged on Document 00 41 13 <u>Bid Form</u>.**

Below are the following items issued as part of Addendum No. 1:

ITEM DESCRIPTION

- 1. Exhibit B Existing Conditions Reports
- 2. Exhibit C Insurance Requirements
- 3. Exhibit D Optical Turnstile Specifications



EXHIBIT B

EXISTING CONDITIONS REPORTS

The following existing conditions reports are attached included as part of this Exhibit B:

1. Bulk Asbestos Analysis - Polarized Light Microscopy (PLM) Reports

04430

Page 1 of 1

MICRO ANALYTICAL LABORATORIES, INC.

LEAD IN PAINT - FLAME AAS (SW846)



1023 Mike Benefield Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

PROJECT: JOB NO. R1167544 1401 LAKESIDE

Micro Log In218057Total Samples1Date Sampled04/25/2016Date Received04/25/2016Date Analyzed04/25/2016

| | Lead Concer | | |
|--|----------------|-------------|-----------------------|
| Sample ID | Weight Percent | mg/kg (ppm) | RDL |
| Client: 1401-PB-01 Lab: 218057-01 WHITE PAINT - DRYWALL - CEILING PENTHOUSE MRR | < 0.0081 % | < 81 | 0.00806 % 81 mg/kg |

| | | | 1 | | | | |
|-----------------------|---------------|--------------|----------|---------------|----------|-----|--|
| Technical Supervisor: | 175 | and | | 4725/2016 | Analyst: | TLN | |
| | Tess Tagorda, | Chemistry Su | pervisor | Date Reported | | | |

AIHA-LAP LLC ELLAP Accredited Laboratory, 1D #101768. SOP M23-Paint. Samples are analyzed by Flame Atomic Absorption Spectrometry (AAS). U.S. EPA SW-846 Method 7420 is used for the instrumental analysis. Nitric acid and hydrogen peroxide digestion procedures are based on ASTM E-1645. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Note: due to software limitations, the number of reported significant figures does not necessarily reflect the uncertainty of the analysis. This report must not be reproduced except in full, without the approval of Micro Analytical Laboratories, inc., and pertains only to the samples analyzed. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. N/A = Not Applicable. RDL = Report Detection Limit.

| | | N 93 | | | -) 21 | 8057 |
|--|---|-------------------------------------|------------------------------------|---|---|-----------------------------|
| | ø • | | | | זר | erracon |
| PM – S. Steiner spsteiner@terrac | PM – K. Schroe on.com kmschroeter@te | eter erracon.com | PM – K. Pilgrim kmpilgrim@terra | acon.com | LEAI |) PAINT |
| PM – M. Bryant | PM – T. Kattch | ee | PM – B. Gils | | SAMPLE | DATA SHEET |
| PM- M. Benefield | PM D. Ufferfilge | acon.com | PM- M. Benefie | ld | ► Lea | d Analysis AA (EPA 7420) |
| msbenefield@ter | racon.com dufferfilge@tern | a <u>con.com</u> ell | msbenefield@t | erracon.com | | |
| mrbishop@terrac | on.com wmfrieszelk@terra | con.com | | anny hai ya ya ku anna ya ya ya ku ya na dana | PAGE | <u> </u> |
| Project Name/ Ac | Idress/Building No. 140 | <u>\ Lutes</u> | V. P | | PO# | alact |
| Project# <u>K-18</u> | Sample | d By: <u>M</u> | or D | Samplin | Ig Date: | |
| | | | | | | |
| *** <u>FAX OF</u> | CE-MAIL REPOR | $\frac{\mathbf{C}}{\mathbf{D}}$ | EE ABUVE Nit(g). | <i>PROJE</i> | CT MANAG | ER (PM)*** |
| | IONAL REPORT | RECIPIE | N1(5): | | | |
| Sample ID | Pair | t Description | and Sample L | ocation | | Condition (I/F/P) |
| 1401- | Paint Color: Unite | Substrate: | Dequal | Component: | Ceiling | |
| Pb-01 | Sample Location: Bldg # | | Unit # | R | Room | |
| · | Parthouse M | 22 | | | | |
| | Paint Color: | Substrate: | | Component: | <u></u> | |
| | Sample Location: Bldg # | | Unit # | R | | |
| | Paint Color: | Substrate: | | Component: | | |
| | Sample Location: Bldg # | | Unit # | R | koom | |
| | Paint Color: | Substrate: | | Component: | | ~ |
| 5 | Sample Location: Bldg # | | Unit # | R | Loom | |
| | Paint Color: | Substrate: | ···· | Component: | = | |
| | Sample Location: Bldg # | | Unit # | R | Loom | |
| Relinquished By: Received By: Received By: | Mlets | Signature Signature Signature | Cif | 7 h | Date/Time: Date/ Time: Date/Time: | -1/25/16 15-30 |

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983

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BLOB.04430/1931

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ASBESTOS TEM LABORATORIES, INC.

EPA 3050B (modified) / EPA 7420 (modified) Atomic Absorption Spectroscopy Lead Paint Analysis Report

<u>Laboratory Job # 1434-01941</u>

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429



ASBESTOS TEM LABORATORIES, INC

AIHA LAP, LLC AGGREDITED LAPORATOXY CONTINUATION CONTINUATION CONTINUATION CALIFORNIA DPH ELAP ID #1866

Dec/23/2016

S. Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 1434-01941</u> Atomic Absorption Spectroscopy analytical results for 1 paint sample(s). Job Site: 1401 Lakeside Rm 1028 Job No.: R1167F47

Enclosed please find results for the atomic absorption spectroscopy (AA) metals analysis of one or more solid samples following procedures from EPA publication SW-846, "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods". Sample preparation procedures were performed according to EPA 3050B (modified) acid digestion of sediments, sludges, and soils. Sample analysis procedures were performed by EPA 7420 (modified) direct aspiration flame analysis.

Prior to analysis, samples are checked for damage and disruption of the chain-of-custody seal. Samples are then logged-in, each given a unique laboratory number, and a hard copy containing all pertinent information is generated. This, and all other relevant paper work are kept with each sample throughout the analytical procedures to assure proper analysis.

A portion of each sample is weighed out such that an aliquot of 1 to 2 grams is obtained for soils or solid waste, and ~0.2 grams is obtained for paint chips. The weighed sample material is then placed into a digestion vessel, transferred to a fume hood, heated at ~95 Deg. C, refluxed with nitric acid to solubilize the contained metals, and treated with hydrogen peroxide to oxidize any organic binder present in the sample material. High purity water is added to make a 50 ml volume for each sample.

AA analysis is performed on a microprocessor controlled Perkin Elmer AAnalyst 300 atomic absorption spectrophotometer, operating in the flame mode. Samples are diluted as needed to allow reading of concentrations in the calibration range. QC analyses are prepared and performed along with each sample batch to ensure accurate analytical determinations. Data is compiled into a standard report format and subjected to a thorough quality assurance check before the information is released to the client. Note: Sample results are not corrected for contamination based on the field blank(s) or other analytical blank(s).

Sincerely Yours,

R. me Buil

Laboratory Manager ASBESTOS TEM LABORATORIES, INC.

--- Results for routine quality control samples run in parallel to the samples reported here were within acceptable limits. These results relate only to the sample(s) tested and must not be reproduced, except in full, with the approval of the laboratory. ---

Printed 1 page of final report

ATON CABSORPTION SPECTROS PY LEAD PAINT ANALYSIS REPORT EPA 3050B Digestion / EPA 7000B Analysis Methods

| | | | | | | Page: <u>3</u> of <u>3</u> |
|---|-------------------------------|-------------------------------|--|-----------------------------|--|---|
| Contact: S. Steiner Address: Terracon Co 1466 66th S Emeryville, | nsultants treet CA 9460 | Sa Sa Jo 14 08 R1 | Imples Submitted: Imples Analyzed: Ib Site / No. Il Lakeside Rm 1 Il 67F47 | 1 1 028 | Report No.: Date Submitted: Date Reported: | 346490 Dec-22-16 Dec-23-16 |
| SAMPLE ID | METAL | SAMPLE RESULT | REPORTING LIMIT | | LOCATION / DES | CRIPTION |
| 1401-Pb1 Lab ID # 1434-01941-001 | РЪ | < 42 mg/kg < 0.004 % | 42 mg/kg 0.004 % | White DW Wall Sampling Date | 1028 Analysis Date Dec-23-16 | Analyzed Weight (g) 0.2363 |
| Lab ID # | | • = | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | . <u>Analysis Date</u> | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | 3 | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |

Analytical results posted above relate only to the material(s) tested. The sample has not been blank corrected.

 μg - micrograms 1% = 10

1% = 10,000 ppm 1ppm = 1 mg/Kg

Lab QC Reviewer Jo Ann Huerto

Analyst Jie Zhang

ASBESTOS TEM LABORATORIES, INC. 600 BANCROFT WAY, STE. A, BERKELEY, CA 94710 (510) 704-8930 www.asbestostemlabs.com With Offices in Reno (775) 359-3377

| | | | | 34 | 6490 | rracon |
|--|---|------------------------------------|--|---------------------|--------------------|--------------------------|
| MPM – S. Steiner Steleiner@ierracon | PM – K. Schroal | ter rracen.com | PM - K. Pilgrin kmpilgrim@ten | n Iscon.com | LEAD SAMPLE D | PAINT ATA SHEET |
| PM – M. Bryant <u>mybryant@terracop</u> | PM – T. Kattche .com <u>takattchee@terra</u> | e acon.com | PM-M. Bonefie msbenefield@t | ld erracon.com | * Lead KFlame A | Analysis 4 (EPA 7420) |
| PM D. Ufferfilge | n.com | con.com | □PM – W. Friesz wmfrieszell@terrr | eli ècon.com | | |
| Project Name/ Add | ress/ Building No. 140 | 1 Lake « | jule Rom | 107.56 | | |
| Project# ZIV | TEHT Sample | d By: M; | LE B_ | | Sampling Date: | 12/22/16 |
| Sample(s) sent to: | MAL EMSL | Aerobiology | Quantem | Other | | ntno.' |
| *** <u>FAX OR]</u> ***ADDITIC | E-MAIL REPORT NAL REPORT RI | <u>to</u> : <i>see</i> ecipient | <i>ABOVE PL</i> '(S): | ROJECT M. | ANAGER (F | PM)*** *** |
| Sample ID | Pain | t Description | and Sample I | location | | Condition (I/F/P) |
| 1401- | Paint White | Substrate: | ωω | Component: | Wart | |
| PP.1 | Sample Location: Bldg # _ | | Unit # | Roc | om 1=256 | |
| | Paint Color: | Substrate: | | Component; | | |
| | Sample Location: Bldg # _ | | Unit # | Roc | mit | |
| | Paint Color: | Substrate: | Plaster | Component: | | |
| | Sample Location: Bldg # | | Unit # | Roo | ли | |
| | Paint Color: | Substrate: | | Component: | | |
| | Sample Location: Bldg # | | Unit # | Ro | | |
| | Paint Color: | Substrate: | 929929-1920-1920-1920-1920-1920-1920-192 | Component: | | |
| | Sample Location: Bldg # | <u> </u> | Unit # | Ro | DITS | - |
| Relinquished By: | Hile to | Signature | : | | Date/Time: | 12/2=/16 |
| | | Et : | - | That I may a second | West 1 I Frank P | |

Printed 1 page of final report

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510)-547-1983

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RIGT FAT 12/22/14





MICRO ANALYTICAL LABORATORIES, INC.

LEAD IN PAINT - FLAME AAS (SW846)



1023 Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

PROJECT: JOB NO. R1177890 1401 LAKESIDE DRIVE 8TH FLOOR Micro Log In**235365**Total Samples1Date Sampled08/02/2017Date Analyzed08/03/2017

| Lead Concentration | | | | | | | |
|--|----------------|-------------|-----------------------|--|--|--|--|
| Sample ID | Weight Percent | mg/kg (ppm) | RDL | | | | |
| Client: 1401-PB-01 Lab: 235365-01 WHITE - DRYWALL - WALL - 825 | < 0.0072 % | < 72 | 0.00719 % 72 mg/kg | | | | |

| | \square | | | | |
|-----------------------|------------------------------------|---------------|----------|---------|--|
| Technical Supervisor: | 6 the | 8/3/2017 | Analyst: | AY | |
| 1 | Tees Fagorda, Chemistry Supervisor | Date Reported | | ******* | |

AIHA-LAP LLC ELLAP Accredited Laboratory, ID #101768. SOP M23-Paint. Samples are analyzed by Flame Atomic Absorption Spectrometry (AAS). U.S. EPA SW-846 Method 7420 is used for the instrumental analysis. Nitric acid and hydrogen peroxide digestion procedures are based on ASTM E-1645. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Note: due to software limitations, the number of reported significant figures does not necessarily reflect the uncertainty of the analysis. If the amount of sample available for analysis is lower than advisable for this method, detection limits and uncertainty will be higher. This report must not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. N/A = Not Applicable. RDL = Report Detection Limit.

| r <u> </u> | · | | | 275 | 365 |
|--|--|--|---|---|--|
| XPM – S. Steiner spsteiner@terrace PM- M. Benefield msbenefield@ter | Dn.com - M – K. Schroeter macon.com - PM – K. Schroeter macon.com - PM – T. Kattchee takattchee@terracc | CON.com – PM – I kmpik on.com – PM – I vm.rie | K. Pilgrim arim@terracon.com N. Frieszell szell@terracon.com | LEAD P SAMPLE DA * Lead Ar Flame AA (TTT PAGE /_C | AINT TA SHEET malysis EPA 7420) .C DF |
| Project Name/Add Project #: <u>12</u> Sample(s) Sent To | ress/Building No. : <u>1981</u> 177890 :QuanTemMAL | Sampled By: Other: | DZ, BH | Free Sampling Date Rush 24Hrs 48 | 8/ 614 /17 Hrs3-5 Days |
| Sample ID | Paint Description and | l Sample Locat | ion | | Condition (I/F/P) |
| 1401-96-01 | Paint Color: 1947 TE Sample Location: Bldg. # | Substrate:K |) Co Room 8 2 | mponent: <u>LAUL</u> | |
| | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Co Room | mponent: | · · · · · · · · · · · · · · · · · · · |
| | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Co Room | mponent: | |
| | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Com Com | ponent: | |
| | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Con | nponent: | |
| | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Coi Room | nponent: | |
| 8995-1 | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Coi Room | nponent: | |
| | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Cor Room | nponent: | |
| | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Cor | nponent: | |
| | Paint Color: Sample Location: Bldg. # | Substrate: Unit # | Room | nponent: | |
| telinquished By: teceived By: telinquished By: | Nell- | Signature: // | n h | Date/Time: 82/0 Date/Time: 82/1 Date/Time: 82/21 | 7 13:57 |

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MICRO ANALYTICAL LABORATORIES, INC.

LEAD IN PAINT - FLAME AAS (SW846)

1023 Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

PROJECT: JOB NO. R1187902 1401 LAKESIDE DRIVE 12TH FLOOR OFFICE DOC ACSO



Micro Log In**248211**Total Samples1Date Sampled08/20/2018Date Received08/22/2018Date Analyzed08/22/2018

| | Lead Concen | | | |
|--|----------------|-------------|----------------------|--|
| Sample ID | Weight Percent | mg/kg (ppm) | RDL | |
| Client: PB3 Lab: 248211-01 WHITE - DRYWALL - WALL 12TH FLOOR - WEST WALL OF OFFICE ACSO | < 0.0081 % | < 81 | 0.0081 % 81 mg/kg | |

Technical Supervisor: BH BH B/22/2018 Analyst: BH BH

AIHA-LAP LLC ELLAP Accredited Laboratory, ID #101768. Samples are analyzed by Flame Atomic Absorption Spectrometry (AAS) using SOP 23-Paint. This SOP is based on U.S. EPA SW-846 Method 7420 for instrumental analysis, and on USEPA SW846, 3rd edition for nitric acid and hydrogen peroxide digestion. Unless otherwise indicated on this report, all required Quality Control samples have been determined to be in control prior to releasing these analytical results. Unless otherwise stated in this report, all samples were received in acceptable condition for analysis. Note: due to software limitations, the number of reported significant figures does not necessarily reflect the uncertainty of the analysis. If the amount of sample available for analysis is lower than advisable for this method, detection limits and uncertainty will be higher. This report must not be reproduced except in full, without the approval of Micro Analytical Laboratories, Inc., and pertains only to the samples analyzed. Unit explanations: mg = milligrams; kg = kilograms; ppm = parts per million. N/A = Not Applicable. RDL = Report Detection Limit.



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|---|---|----------------------------------|----------------------------------|----------------------|-------------------|--------------------------|
| PM – S. Steiner spsteiner@terra | PM – K. Sch acon.com kmschroeter | n roeter @terracon.com | PM – K. Pilgr kmpilgrim@te | im erracon.com | LEAD SAMPLE D | PAINT ATA SHEET |
| PM – M. Bryant mvbryant@terra | C PM – T. Kat acon.com takattchee@ | tchee terracon.com | PM- M. Benefi msbenefield@ | eld oterracon.com | * Lead Flame A | Analysis A (EPA 7420) |
| PM D. Ufferfilge <u>dufferfilge@terr</u> | e DPM – M. Bisł acon.com mrbishop@te | nop erracon.com | PM – W. Fries wmfrieszell@ter | zell racon.com | 1 | _OF_ |
| Project Name/ A | ddress/ Building No | 401 Lakes | ide Dr | 12TH FLOO | r office | DOC ACSO |
| Project# R | 187902 Sam | pled By: <u>M</u> | . Reed | | Sampling Date: | 8-20-18 |
| Sample(s) sent to: | MAL EMSL | 🗌 Aerobiolog | y 🗌 Quantem | Other | | |
| TAT DR | ush 🗌 24HRS 🔲 48] | HRS 🗌 3-5 1 | Day | | | |
| | *** <u>FAX OR E-MAIL I</u> | <u>REPORT TO</u> : | SEE ABOVE | PROJECT MA | NAGER (PM)*** | k |
| | ***ADDITIONAL RI | EPORT RECI | IPIENT(S): | | *** | |
| Sample ID | Pa | int Descriptio | on and Sample I | ocation | | Condition (I/F/P) |
| 213 | Paint Color: UHITE | Substrate: | PRYMAN | Component: | WALL | |
| 100 | Sample Location: Bldg # | | Unit # | Roo | m | |
| | 12TH FLOOR | - WEST | WALL OF | OFFICE A | C 50 | |
| | Paint Color: | Substrate: | | Component: | | |
| | Sample Location: Bldg # | | Unit # | Roo | m | |
| | Paint Color: | Substrate: | | Component: | | |
| | Sample Location: Bldg # | -4471 | Unit # | Roon | n | |
| | Paint Color: | Substrate: | | Component: | | |
| | Sample Location: Bldg # | | Unit # | Roor | n | |
| · · | Paint Color: | Substrate: | | Component: | | |
| | Sample Location: Bldg # | | Unit # | Room | n | |

| | M. Reed | m.R. | | |
|-------------------------|--------------------------|------|-----------------|--------------|
| Relinquished By: | S Silour Sald Signature: | 00 | Date/Time: | 0/02/16/52 0 |
| Received By: | Signature: | | Date/ Time: | 8/20/18/0309 |
| Received By: | Signature: | | Date/Time: | |

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983





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. Install dividing well w/ new door (wall + v) crear Fix. spinklen) · Remove dove filling opening Scope of work.

- e Instit See RA gible in celling, one in each went

· third out both new rooms

- a Carpet to remain

- o Replace broken and as record certing that Install outlets in new wall

Page 3



ASBESTOS TEM LABORATORIES, INC.

ATEM SOP-AA-01 (EPA 3050B/EPA 7420)

Lead Paint Analysis Report

Laboratory Job # 359818

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429





Aug/23/2018

Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 359818</u> Atomic Absorption Spectroscopy analytical results for 1 paint sample(s). Job Site: 1401 Lakeside Dr. Job No.: R1187902

Enclosed please find results for the atomic absorption spectroscopy (AA) metals analysis of one or more paint samples. Sample preparation and analysis procedures were performed according to ATEM SOP-AA-01 (EPA 3050B / EPA 7420).

Prior to analysis, samples are checked for damage and disruption of the chain-of-custody seal. Samples are then logged-in, each given a unique laboratory number, and a hard copy containing all pertinent information is generated. This, and all other relevant paper work are kept with each sample throughout the analytical procedures to assure proper analysis.

A portion of each sample is weighed out such that an aliquot of ~ 0.2 grams is obtained. The weighed sample material is then placed into a digestion vessel, transferred to a fume hood, heated at ~ 95 Deg. C, refluxed with nitric acid to solubilize the contained metals, and treated with hydrogen peroxide to oxidize any organic binder present in the sample material. High purity water is added to make a 50 ml volume for each sample.

AA analysis is performed on a microprocessor controlled Perkin Elmer AAnalyst 300 atomic absorption spectrophotometer, operating in the flame mode. Samples are diluted as needed to allow reading of concentrations in the calibration range. QC analyses are prepared and performed along with each sample batch to ensure accurate analytical determinations. Data is compiled into a standard report format and subjected to a thorough quality assurance check before the information is released to the client. Note: Sample results are not corrected for contamination based on the field blank(s) or other analytical blank(s).

Sincerely Yours,

P. Me Buil

ASBESTOS TEM LABORATORIES, INC.

--- Results for routine quality control samples run in parallel to the samples reported here were within acceptable limits. These results relate only to the sample(s) tested and must not be reproduced, except in full, with the approval of the laboratory. ---

ATOMIC ABSORPTION SPECTROSCOPY LEAD PAINT ANALYSIS REPORT ATEM SOP-AA-01 (EPA 3050B / EPA 7000B)

1

1

Sampling Date

Aug-23-18

Samples Submitted:

Samples Analyzed:

1401 Lakeside Dr.

REPORTING

LIMIT

42

0.004 %

mg/kg

Job Site / No.

R1187902

SAMPLE

RESULT

mg/kg

0.004 %

< 42

<

Contact: Steff Steiner

SAMPLE ID

Pb4

Lab ID # 1434-03785-001

Address: Terracon Consultants, Inc.

1466 66th Street

Emeryville, CA 94608

METAL

Pb

| ASBESTOS TEM LAE | SORATO <u>www</u> | Jo Ann Huer RIES, INC. 600 .asbestostemlabs.cor | to) BANCROFT WA <u>n</u> | Y, STE. A, BERK With Offices in | Jie Zh ELEY, CA 94710 Reno (775) 359-33 | (510) 704-8930 77 |
|--|------------------------|---|---------------------------------|------------------------------------|--|----------------------------|
| Lab QC Reviewe | | p Ann 1 | theatre | Analys <u>t</u> | JLOZQ | ang |
| Analytical results posted a The sample has not been l | above rel blank cor | ate only to the materi rected. | al(s) tested. | µg - microgra | 1% = 10,000 | opm 1ppm = 1 mg/Kg |
| Lab ID # | | | | Sampling Date | <u>Analysis Date</u> | <u>Analyzed Weight (g)</u> |
| Lab ID # | | | | Sampling Date | Analysis Date | <u>Analyzed Weight (g)</u> |
| Lab ID # | | | | Sampling Date | Analysis Date | <u>Analyzed Weight (g)</u> |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |

Analyzed Weight (g)

0.2402

359818

Aug-23-18

Date Submitted: Aug-23-18

LOCATION / DESCRIPTION

Report No.:

White - Drywall - Wall - 12th Floor Acso Doc Office

Analysis Date

Aug-23-18

Date Reported:

359818 **Tierracon**

| SEE BEL ***A | *** <u>E-MAIL REPORT 1</u> OW PROJECT MANAG DDITIONAL RECIPIE | TO: ER (PM)*** NTS*** | * Lead Analysis Flame AA (EP | NT SAMPLE DA a 7420) ttl p | TA SHEET |
|---|---|--|---|--|----------------------------|
| PM – S. Steiner | PM – K. Schroeter | PM – W. Frieszell wmfrieszeli@terracon.com | PM – T. Kattchee takatichee@terracon.com | PM – K. Pilgrim kmpligrim@iarracon.com | PM- M. Benefield |
| Project Name/ Ad Project# <u>R1</u> Sample(s) sent to: TAT Ru (all Ru | ldress/Building No \ <u>87902</u> San MALEMSL sh24HRS4 | npled By: <u>M. R</u> Aerobiology 8HRS 3-5 Day | IDE DR GEED Quantem Other _ | Sampling Dat | e: <u>8-23-18</u> |
| Sample ID | P | aint Description and | d Sample Location | 200 - 1 (South | Condition (I/F/P) |
| 264 | Paint Color: WHITE Sample Location: Bldg # 12T11 T-COO2 | Substrate: <u> </u> | Compor Derwsen Unit # OFFICE | ent: Room | |
| | Paint Color: Sample Location: Bldg i | Substrate: | Compor Unit # | nent: Room | |
| | Paint Color: Sample Location: Bldg # | Substrate: | Compor Unit # | nent: Room | |
| | Paint Color: Sample Location: Bldg | Substrate: | Compor Unit # | nent: Room | |
| | Paint Color: Sample Location: Bldg | Substrate: | Compor | nent: Room | |
| Relinquished By Received By: Received By: | M.ZEEO MB | Signature: Signature: Signature: | m- 12-1 | Date/Time: Date/Time: Date/Time: Date/Time: | 8-23 - 18 23 18 11:44RM |

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983 Updated 02.23.2018



ASBESTOS TEM LABORATORIES, INC.

ATEM SOP-AA-01 (EPA 3050B/EPA 7420)

Lead Paint Analysis Report

Laboratory Job # 360735

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429





Oct/05/2018

Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 360735</u> Atomic Absorption Spectroscopy analytical results for 2 paint sample(s). Job Site: 1401 Lakeside Dr, Oakland, CA Job No.: R1187B79

Enclosed please find results for the atomic absorption spectroscopy (AA) metals analysis of one or more paint samples. Sample preparation and analysis procedures were performed according to ATEM SOP-AA-01 (EPA 3050B / EPA 7420).

Prior to analysis, samples are checked for damage and disruption of the chain-of-custody seal. Samples are then logged-in, each given a unique laboratory number, and a hard copy containing all pertinent information is generated. This, and all other relevant paper work are kept with each sample throughout the analytical procedures to assure proper analysis.

A portion of each sample is weighed out such that an aliquot of ~ 0.2 grams is obtained. The weighed sample material is then placed into a digestion vessel, transferred to a fume hood, heated at ~ 95 Deg. C, refluxed with nitric acid to solubilize the contained metals, and treated with hydrogen peroxide to oxidize any organic binder present in the sample material. High purity water is added to make a 50 ml volume for each sample.

AA analysis is performed on a microprocessor controlled Perkin Elmer AAnalyst 300 atomic absorption spectrophotometer, operating in the flame mode. Samples are diluted as needed to allow reading of concentrations in the calibration range. QC analyses are prepared and performed along with each sample batch to ensure accurate analytical determinations. Data is compiled into a standard report format and subjected to a thorough quality assurance check before the information is released to the client. Note: Sample results are not corrected for contamination based on the field blank(s) or other analytical blank(s).

Sincerely Yours,

P. Me Buil

ASBESTOS TEM LABORATORIES, INC.

--- Results for routine quality control samples run in parallel to the samples reported here were within acceptable limits. These results relate only to the sample(s) tested and must not be reproduced, except in full, with the approval of the laboratory. ---

ATOMIC ABSORPTION SPECTROSCOPY LEAD PAINT ANALYSIS REPORT ATEM SOP-AA-01 (EPA 3050B / EPA 7000B)

1401 Lakeside Dr, Oakland, CA

2

2

White Drywall, Room 123

White Drywall, Room 228

Sampling Date

Sampling Date

Sampling Date

Sampling Date

Sampling Date

Samples Submitted:

Samples Analyzed:

REPORTING

LIMIT

45

45

mg/kg

0.005 %

0.005 %

mg/kg

Job Site / No.

R1187B79

SAMPLE

RESULT

mg/kg

mg/kg

0.005 %

0.005 %

< 45

<

< 45

<

Contact: Steff Steiner

SAMPLE ID

Pb-01

Lab ID # 1434-03915-001

Pb-02

Lab ID # 1434-03915-002

Lab ID #

Lab ID #

Lab ID #

Address:

Terracon Consultants, Inc.

Emeryville, CA 94608

METAL

Pb

Pb

1466 66th Street

| Lab QC Reviewe | <u>`</u> | Jo Ann Huer | to | Analyst | Jie Zh | ang |
|--|-------------------------|-----------------------------------|---------------|----------------|-------------------|---------------------|
| Analytical results posted a The sample has not been b | above rela blank cor | ate only to the materi rected. | al(s) tested. | μg - microgram | ns $1\% = 10,000$ | ppm 1ppm = 1 mg/Kg |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |

LOCATION / DESCRIPTION

Oct-05-18

Analyzed Weight (g)

0.2219

0.2243

Date Reported:

Analysis Date

Oct-05-18

Analysis Date

Oct-05-18

Analysis Date

Analysis Date

Analysis Date

| Page: | 3 | of 3 | |
|-------|---|-------------|--|
| I uge | • | UL U | |



| SEE BEI **** | *** <u>E-MAIL REPORT 1</u> LOW PROJECT MANAG ADDITIONAL RECIPIE | <u>FO</u> : <i>ER (PM)</i> *** NTS*** | LEAD PAINT SAMPLE DATA SHEET * Lead Analysis Flame AA (EPA 7420) TTLC | | | |
|---|---|---|---|--|--|--|
| denise.wailen@ | terracon.com 🛛 eric | c.dver@terracon.com | | P | AGEOF | |
| Steiner@terracon.com | PM – K. Schroeter kmschroeter@terracon.com | PM – W. Frieszeil wmfrieszeil@terrecon.com | PM – T. Kattchee takattchee@terracon.com | PM – K. Pilgrim kmpilgrim@terracon.com | PM- M. Benefield msbenefield@terracon.com | |
| Project Name/ A | ddress/Building No. 4 | 101 Cakesid | edg. Oaklau | udCA | interlig | |
| Sample(s) sent to: | $\square MAL \square EMSI$ | Aerobiology | Quantem Other | Sampling Date | " <u>193/18</u> | |
| TAT 🗆 Ru | ish 24HRS | BHRS 3-5 Day | | | | |
| Sample ID | P | aint Description and | d Sample Location | | Condition (I/F/P) | |
| Pboi | Paint Color: <u>white</u> Sample Location: Bldg | Substrate: | Unit # | nent: <i>Wall</i> Room <u>123</u> | T | |
| P6-02 | Paint Color: <u>White</u> Sample Location: Bldg | Substrate: | <u>Mwal</u> Unit# | Room <u>228</u> | J. J. | |
| | Paint Color: Sample Location: Bldg # | Substrate: # | Compor Unit # | ent: _ Room | | |
| · · · | Paint Color: Sample Location: Bldg | Substrate: | Compor Unit # | eent: Room | | |
| | Paint Color: Sample Location: Bldg ; | Substrate: | Compor | ent: _ Room | | |
| Relinquished By Received By: Received By: | Steve Pose | Signature: | Mebf | Date/Time; Date/Time; Date/Time: Date/Time: | 10/5/18 13 18 4:11PM | |

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983 Updated 02.23.2018

TE RECARDET AREA

= REMOVE WALL

1050#580518







































 \bigcirc 04430 - LAKESIDE PLAZA BUILDING - 1401 LAKESIDE DRIVE FIRST FLOOR PLAN

510, 208.9594 IN ADVANCE TO BOOK COOPDINATE WITH JASHIN ALVAREZ

ROOMS





04430 - LAKESIDE PLAZA BUILDING - 1401 LAKESIDE DRIVE SECOND FLOOR PLAN



Project: 1401 LAKESIDE OAKLAND, CA ROOM #730 / 180062021

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B/7000B)*

| Client Sample Description | Lab ID | Collected | Analyzed | Lead Concentration |
|---------------------------|----------------|------------|----------------|-----------------------|
| 1401-PB01 | 091823210-0001 | 10/23/2018 | 10/24/2018 | <0.010 % wt |
| | Site: ROOM #73 | 0 WHITE PA | INT ON DRYWALL | |

Auhlas

Julian Neagu, Lead Laboratory Manager or other approved signatory

*Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.010 % wt based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL, EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements unless specifically indicated otherwise. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA A2LA Accredited Environmental Testing Cert #2845.09

Initial report from 10/24/2018 18:54:32

Lead (Pb) Chain of Custody

EMSL Órder ID (Lab Use Only):

EMSL Analytic, Inc. 464 McCormick Street

San Leandro, CA.

091823210

PHONE:510 895-3675 FAX:510 895-3680

| Company : Vista Environmental C | Consulting | | EMSL-Bill to: If Bill to is Different note ins | Different Same tructions in Comments** | |
|---|---------------------------|-----------------------|---|---|------------|
| Street: 2984 Teagarden Street | | Th | ird Party Billing requires writter | a suthorization from third o | artv |
| City: San Leandro State/F | Province: CA. | Zip/Posta | al Code: 94577 | Country: US | <i></i> |
| Report To (Name): Chris Burns | | Telephor | ne #: 510 346-8860 | | |
| Email Address: chrisburns@vista-env.com | m; molli@vista-env.com | Fax #: 8 | 388 296-0271 | Purchase Order | |
| Project Name/Number: 1401 Lakeside, Oa | kland, CA. /180062021 | Please P | rovide Results: FAX | K KE-mail | Mail |
| U.S. State Samples Taken: | 130- | CT Samp | les: 🗌 Commercial/Taxal | ble 🗍 Residential/Tax | Exempt |
| <u> </u> | urnaround Time (TA | T) Option | s* - Please Check | | • |
| 3 Hour 6 Hour 24 | Hour 🕅 48 Hour | · 7 | 2 Hour 🗌 96 Hour | 🗌 1 Week 📋 | 2 Week |
| Analysis complete | ed in accordance with EMS | SL' <u>s T</u> erms a | nd Conditions located in the Pi | ice Guide | |
| Matrix | Method | | Instrument | Reporting Limit | Check |
| Chips Mg % by wt. 📋 mg/cm² 📋 ppm | SW846-7000 | B | Flame Atomic Absorption | 0.01% | X |
| Air | NIOSH 7082 | ! | Flame Atomic Absorption | 4 µg/filter | |
| | NIOSH 7105 | | Graphite Furnace AA | 0.03 µg/filter | |
| <u>├─</u> | NIOSH 7300 mod | lified | ICP-AES/ICP-MS | 0.5 µg/filter | |
| Wipe* ASTM | SW846-7000 | B | Flame Atomic Absorption | 10 µg/wipe | |
| *if no box is checked, non-ASTM | SW846-6010B c | or C | ICP-AES | 1.0 µg/wipe | |
| Wipe is assumed | SW846-7000B/7 | 010 | Graphite Furnace AA | 0.075 µg/wipe | |
| TCLP | SW846-1311/7000B/S | SM 3111B | Flame Atomic Absorption | 0.4 mg/L (ppm) | |
| | SVV040-1131/SVV040-0 | | | 0.1 mg/L (ppm) | ┝──┟┥── |
| Son | SVV846-7000 | <u> </u> | Flame Atomic Absorption | | ┝━─╞╡── |
| - | SW846-6010B | <u>ייי</u> אר C | ICP-AFS | 2 ma/kg (ppm) | - <u> </u> |
| | SM3111B/SW846- | 7000B | Flame Atomic Absorption | 0.4 mg/l (ppm) | ┝──┾╡━─ |
| Wastewater Unpreserved | EPA 200.9 | | Graphite Furnace AA | 0.003 mg/L (ppm) | |
| | EPA 200,7 | | ICP-AES | 0.020 mg/L (ppm) | |
| Drinking Water Unpreserved | EPA 200.9 | | Graphite Furnace AA | 0.003 mg/L (ppm) | |
| <u>Preserved with HNO₃ pH < 2</u> | EPA 200.8 | | ICP-MS | 0.001 mg/L (ppm) | |
| TSP/SPM Filter | 40 CFR Part 40 | 50 | Graphite Euroace AA | <u>12 µg/filter</u> | ┟╴╞╡── |
| Other: | 40 01111 011 | | | | ┝──╞╡── |
| Name of Sampler: 1015 7 | TOYP | Signa | ature of Sampler: | | |
| Sample # Locat | ion | <u></u> | Volume/Area | Date/Time S | Sampled |
| 14/11-Ohn Room #730 | | | | 0/23/11 | 2 14:10 |
| 1 101 PUI WHITE PAINT ON DO | YWALL | | | 0_000000 | //// |
| | | ļ | | | |
| | | | | | |
| | | <u> </u> | · ·· | ····· | |
| | | | | | |
| Client Semple #2 | | <u> </u> | Total # of S | omplogi 1 | |
| Client Sample # 5 | | | | | |
| Relinquished (Client): | Date: | _10/2 | 5// Time: | 14:15 | |
| Received (Lab): | Date: | | 0124 [4 Time: | | too |
| Comments: | | C | ſ | (} | (BC |
| | | | | | 2 |
| I | | | | • | |

Page 1 of ____ pages



FLOOR PLAN OF LOCATION TO BE TESTED/ABATED

C:\Users\molli.rothman\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\A8ZYH0VC\HazMat Request- Rm 730.docx Page 3



ASBESTOS TEM LABORATORIES, INC.

ATEM SOP-AA-01 (EPA 3050B/EPA 7420)

Lead Paint Analysis Report

Laboratory Job # 363479

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429





Apr/17/2019

Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 363479</u> Atomic Absorption Spectroscopy analytical results for 1 paint sample(s). Job Site: 1401 Lakeside, Oakland, CA Job No.: R1197409

Enclosed please find results for the atomic absorption spectroscopy (AA) metals analysis of one or more paint samples. Sample preparation and analysis procedures were performed according to ATEM SOP-AA-01 (EPA 3050B / EPA 7420).

Prior to analysis, samples are checked for damage and disruption of the chain-of-custody seal. Samples are then logged-in, each given a unique laboratory number, and a hard copy containing all pertinent information is generated. This, and all other relevant paper work are kept with each sample throughout the analytical procedures to assure proper analysis.

A portion of each sample is weighed out such that an aliquot of ~ 0.2 grams is obtained. The weighed sample material is then placed into a digestion vessel, transferred to a fume hood, heated at ~ 95 Deg. C, refluxed with nitric acid to solubilize the contained metals, and treated with hydrogen peroxide to oxidize any organic binder present in the sample material. High purity water is added to make a 50 ml volume for each sample.

AA analysis is performed on a microprocessor controlled Perkin Elmer AAnalyst 300 atomic absorption spectrophotometer, operating in the flame mode. Samples are diluted as needed to allow reading of concentrations in the calibration range. QC analyses are prepared and performed along with each sample batch to ensure accurate analytical determinations. Data is compiled into a standard report format and subjected to a thorough quality assurance check before the information is released to the client. Note: Sample results are not corrected for contamination based on the field blank(s) or other analytical blank(s).

Sincerely Yours,

R. me Buil

ASBESTOS TEM LABORATORIES, INC.

--- Results for routine quality control samples run in parallel to the samples reported here were within acceptable limits. These results relate only to the sample(s) tested and must not be reproduced, except in full, with the approval of the laboratory. ---

ATOMIC ABSORPTION SPECTROSCOPY LEAD PAINT ANALYSIS REPORT ATEM SOP-AA-01 (EPA 3050B / EPA 7000B)

1401 Lakeside, Oakland, CA

REPORTING

LIMIT

44

0.004 %

mg/kg

1

1

Sampling Date

Apr-12-19

Sampling Date

Sampling Date

Samples Submitted:

Samples Analyzed:

Job Site / No.

R1197409

SAMPLE

RESULT

mg/kg

0.004 %

< 44

<

Contact: Steff Steiner

SAMPLE ID

Pb1

Lab ID # 1434-04258-001

Lab ID #

Lab ID #

Address:

Terracon Consultants, Inc.

Emeryville, CA 94608

METAL

Pb

1466 66th Street

| Lab ID # | | | | Sampling Date | <u>Analysis Date</u> | Analyzed Weight (g) |
|--|------------------------|--|---------------------------|------------------------------------|-------------------------------------|----------------------|
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Analytical results posted The sample has not been | above rel blank cor | ate only to the materi rected. | al(s) tested. | 。 鎔 - microgra | ms $1\% = 10,000$ | ppm 1ppm = 1 mg/Kg |
| Lab QC Reviewe | r ð | Jo Ann Huer | to | Analys <u>t</u> | JLOZA Jie Zh | ang |
| ASBESTOS TEM LAI | BORATC <u>www</u> | ORIES, INC. 600 asbestostemlabs.com |) BANCROFT WA <u>n</u> | Y, STE. A, BERK With Offices in | ELEY, CA 94710 Reno (775) 359-33 | (510) 704-8930 77 |

Page: <u>3</u> of <u>3</u>

363479

Apr-17-19

Analyzed Weight (g)

Analyzed Weight (g)

Analyzed Weight (g)

0.2249

Date Submitted: Apr-12-19

LOCATION / DESCRIPTION

Report No.:

White - Drywall - Wall - Art Comm. Room #629

Analysis Date

Apr-17-19

Analysis Date

Analysis Date

Date Reported:

363479 Terracon

| *** <u>E-MAIL REPO</u> | RT TO: PROJECT MAN | AGER (PM)*** | LEAD PAINT S. | AMPLE DATA SHEET | |
|---|--|--|---|--|--|
| Engineering A | Jenise.wallen@terracon.com Engineering Assistant Engineering Assistant | | * Lead Analysis Flame AA (EPA 7420) TTLC | | |
| Spetement terra | teiner liver | PM – K. Schroeter schroeter@lerracon.com | | PAGEOF[| |
| PM-K. Pilgrim kmpilgrim@terracon.com | PM- M. Bengfield | PM – W. Frieszell wmfrieszell@terracon.com | PM – T. Kattchee takattchee@terracon.com | D PM - D. Block david block@terracon.com | |
| Project Name/ Add Project# Sample(s) sent to: TAT Rusi | ress/Building No 97409 Sampl MAL EMSL 24HRS | ed By: <u>M. REE</u> Aerobiology Quan | DE OAKLAND D Sampl tem Other ASBESTOS | CA ing Date: <u>4-12-19</u> TEM | |
| Sample ID | Pai | nt Description and Sam | ple Location | Condition (I/F/P) | |
| PBI | Paint Color: WHITE Sample Location: Bldg # | Substrate: DRYW Unit | ALL Component: WAL | | |
| | Paint Color: Sample Location: Bldg # | Substrate: | Component: # Room | | |
| | Paint Color: Sample Location: Bldg # | Substrate: Unit | Component: # Room | | |
| | Paint Color: Sample Location: Bldg # | Substrate: Unit | Component: Room | | |
| I S | Paint Color: Sample Location: Bldg # | Substrate: Unit | Component: # Room | | |
| Relinquished By: Received By: Received By: | M. REED MID | Signature: 77 Signature: 77 Signature: 77 Signature: 77 | 27 - 2-1 17 - Date/7 Date/7 Date/7 | $\frac{4 - 12 - 19}{1000}$ Time: $\frac{4 - 12 - 19}{1000}$ Time: $\frac{1}{1000}$ | |

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983 Updated 02.23.2018



1401 LAKESIDE



ASBESTOS TEM LABORATORIES, INC.

ATEM SOP-AA-01 (EPA 3050B/EPA 7420)

Lead Paint Analysis Report

Laboratory Job # 363646

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429




Apr/26/2019

Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

 RE: LABORATORY JOB # 363646 Atomic Absorption Spectroscopy analytical results for 1 paint sample(s). Job Site: Alameda County - 1401 Lakeside Dr. Rm 623 Job No.: R1197460

Enclosed please find results for the atomic absorption spectroscopy (AA) metals analysis of one or more paint samples. Sample preparation and analysis procedures were performed according to ATEM SOP-AA-01 (EPA 3050B / EPA 7420).

Prior to analysis, samples are checked for damage and disruption of the chain-of-custody seal. Samples are then logged-in, each given a unique laboratory number, and a hard copy containing all pertinent information is generated. This, and all other relevant paper work are kept with each sample throughout the analytical procedures to assure proper analysis.

A portion of each sample is weighed out such that an aliquot of ~ 0.2 grams is obtained. The weighed sample material is then placed into a digestion vessel, transferred to a fume hood, heated at ~ 95 Deg. C, refluxed with nitric acid to solubilize the contained metals, and treated with hydrogen peroxide to oxidize any organic binder present in the sample material. High purity water is added to make a 50 ml volume for each sample.

AA analysis is performed on a microprocessor controlled Perkin Elmer AAnalyst 300 atomic absorption spectrophotometer, operating in the flame mode. Samples are diluted as needed to allow reading of concentrations in the calibration range. QC analyses are prepared and performed along with each sample batch to ensure accurate analytical determinations. Data is compiled into a standard report format and subjected to a thorough quality assurance check before the information is released to the client. Note: Sample results are not corrected for contamination based on the field blank(s) or other analytical blank(s).

Sincerely Yours,

P. Me Buil

ASBESTOS TEM LABORATORIES, INC.

--- Results for routine quality control samples run in parallel to the samples reported here were within acceptable limits. These results relate only to the sample(s) tested and must not be reproduced, except in full, with the approval of the laboratory. ---

ATOMIC ABSORPTION SPECTROSCOPY LEAD PAINT ANALYSIS REPORT ATEM SOP-AA-01 (EPA 3050B / EPA 7000B)

| Contact: Steff Steiner Address: Terracon Co 1466 66th S Emeryville, | nsultants treet CA 9460 | S S , Inc. J A)8 F | amples Submitted: amples Analyzed: ob Site / No. Alameda County - 14 21197460 | 1 1 01 Lakeside Dr. Rr | Report No.: Date Submitted: Date Reported: n | 363646 Apr-24-19 Apr-26-19 |
|--|-------------------------------|---------------------------------|---|---|---|---|
| SAMPLE ID | METAL | SAMPLE RESULT | REPORTING LIMIT | L | OCATION / DES | CRIPTION |
| 1401-Pb-01 Lab ID # 1434-04282-001 | Pb | < 48 mg/kg < 0.005 % | 48 mg/kg 0.005 % | White - Drywall - W Sampling Date Apr-24-19 | /all -Rm 623 - North V <u>Analysis Date</u> Apr-26-19 | Vall @ East Side Analyzed Weight (g) 0.2073 |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | <u>Analysis Date</u> | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |
| Lab ID # | | | | Sampling Date | Analysis Date | Analyzed Weight (g) |

Analytical results posted above relate only to the material(s) tested. The sample has not been blank corrected.

鎔 - micrograms 1% = 10,000 ppm 1ppm = 1 mg/Kg

Page: <u>3</u> of <u>3</u>

theatre Am Lab QC Reviewer Jo Ann Huerto

പ്പം Analys<u>t</u>

Jie Zhang

ASBESTOS TEM LABORATORIES, INC. 600 BANCROFT WAY, STE. A, BERKELEY, CA 94710 (510) 704-8930 With Offices in Reno (775) 359-3377 www.asbestostemlabs.com

Terracon ***E-MAIL REPORT TO: PROJECT MANAGER (PM)*** LEAD PAINT SAMPLE DATA SHEET denise wallen@terracon.com Engineering Assistant * Lead Analysis eric.dyer@terracon.com Engineering Assistant Flame AA (EPA 7420) TTLC PM - S. Steiner PM - K. Schroeter PAGE OF sosteiner@terracon.com kmschroeter@terracon.com PM - K. Pilgrim PM- M. Benefield PM-W. Frieszell PM-T. Kattchee PM-D. Block kmpilorim@terracon.com msbenefield@terracon.com wmfrieszell@terracon.ccm takattchee@terracon.com david.block@terracon.com ameda Project Name/ Address/ Building No. 4 Project# Sampled By: Sampling Date: ATEM Sample(s) sent to: MAL EMSL Aerobiology Quantem Other M 48HRS TAT Rush 24HRS 3-5 Day Sample ID Paint Description and Sample Location Condition (I/F/P)Paint Substrate: Component: all MWA Color: An 401-B-Unit # Sample Location: Bldg # Room lon 623 Paint Substrate: Component: Color: Unit # Sample Location: Bldg # Room Paint Substrate: Component: Color: Sample Location: Bldg # Unit # Room Paint Substrate: Component: Color: Sample Location: Bldg # Unit # Room Paint Substrate: Component: Color: Sample Location: Bldg # Unit # Room 6 **Relinquished By:** Signature: Date/Time:PR24 '19 3:499M **Received By:** Signature: Date/ Time: **Received By:** Signature: Date/Time:

363646

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983 Updated 02.23.2018





EMSL Order: 092112996 CustomerID: 32VEOK25 CustomerPO: ProjectID:

| Attn: | CHRIS BURNS | Phone: | (510) 346-8860 |
|-------|--------------------------------------|------------|------------------|
| | Vista Environmental Consulting, Inc. | Fax: | |
| | 2984 Teagarden St | Received: | 08/23/21 7:00 PM |
| | San Leandro, CA 94577 | Collected: | 8/20/2021 |
| | | | |

Project: 1401 LAKESIDE, OAK 210062011

Test Report: Total Threshold Limit Concentration (7000B)

| Client Sample Description | Lab ID | Collected | Analyzed | Weight | Lead Concentration |
|---------------------------|-----------------|--------------|-----------|----------|-----------------------|
| 1401-PB-01 | 092112996-0003 | 8 8/20/2021 | 8/23/2021 | 0.5060 g | <40 ppm |
| | Site: RM 732 W | HITE WALL | | | |
| 1401-PB-02 | 092112996-0004 | \$ 8/20/2021 | 8/23/2021 | 0.5097 g | <40 ppm |
| | Site: RM 732 BI | UE WALL | | | |

Juh/m

Julian Neagu, Lead Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. Reporting limit is 40 mg/kg based on a 0.5 gram sample weight. *<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA Method SW 846 7000B replaces EPA 7420 for lead analysis and is an equivalent method. CA ELAP 1628, AIHA-LAP, LLC-ELLAP Accredited #101748

Initial report from 08/23/2021 17:16:49

-

Lead (Pb) Chain of Custody EMSL Order ID (Lab Use Only):

EMSL Analytic, Inc. 464 McCormick Street

San Leandro, CA.

092112996

PHONE:510 895-3675 FAX: 510 895-3680

| Company : Vista Environm | ental C | onsulting | | EN If Bill 1 | ISL-Bill to: to is Different no | Diff Diff | erent Same | |
|---|-----------------|--------------------------------------|-------------------------------|-----------------------------|------------------------------------|--------------|------------------------|----------|
| Street: 2984 Teagarden Street | | | Тһ | ird Partv Bil | lling requires v | written auth | orization from third n | arty |
| City: San Leandro | State/P | rovince: CA. | Zip/Posta | I Code: S | 94577 | | Country: US | |
| Report To (Name); Chris Burns | | | · · · · · | 510 | 346-8860 | | | |
| Fmail Address: drisburg@vista-env.com | labreborts@vist | a-env.com: lavier.mcha@vista-env.com | Fay #- 8 | 388 296-0 | 1271 | | Purchase Order | |
| Broiget Name/Number: 1401 La | eside Oa | 210062011 | | revide De | | l FAX [| Fulcinase Older | Mail |
| LIC State Semales Takes CA | | | CT O- | | | | | - |
| Tumaround Time(TA | | | T) Option | | ommerciai/ I | | | Exempt |
| | 1 [24 | Hour A8 Hour | | 2 Hour | | | | 2 Maak |
| *Analys | is complete | d in accordance with EMS | L's Terms a | nd Conditio | ns located in t | he Price G | uide | 2 WEER |
| Matrix | | Method | | Ins | strument | R | eporting Limit | Check |
| Chips 🗌 % by wt. 🗌 mg/cm² | 🔳 ppm | SW846-7000 | 3 | Flame A | tomic Absorpt | ion | 40 ppm | x |
| Air | | NIOSH 7082 | - | Flame At | tomic Absorpt | ion | 4 µg/filter | |
| | | NIOSH 7105 | | Graphi | ite Furnace A | A | 0.03 µg/filter | |
| | | NIOSH 7300 mod | lified | ICP- | AES/ICP-MS | | 0.5 µg/filter | |
| Wipe* АSTM | | SW846-7000 | З | Flame A | tomic Absorpt | ion | 10 µg/wipe | |
| non ASTM *if no box is checked, non-ASTM | | SW846-6010B c | or C | | ICP-AES | | 1.0 µg/wipe | |
| Wipe is assumed | | SW846-7000B/7 | 010 | Graphi | ite Furnace A | 4 C |).075 µg/wipe | |
| TCLP | | SW846-1311/7000B/S | SM 3111B | Flame A | tomic Absorpt | ion O | .4 mg/L (ppm) | |
| | | SW846-1131/SW846-6 | 010B or C | | ICP-AES | 0 | .1 mg/L (ppm) | |
| Soil | | SW846-7000 | 3 | Flame A | tomic Absorpt | ion 4(|) mg/kg (ppm) | |
| - | | - SW846-7010 | | Graph | ite Furnace A | <u> 0.</u> | 3 mg/kg (ppm) | |
| | | SVV846-60108 C | | Elomo Ai | CP-AES | 2 | | |
| Wastewater . Unpreserved | | 5N/31118/SVV646- | 70008 | Fiame Ai Graphi | ite Euroace A4 | | 4 mg/L (ppm) | ╌╞╡──┤ |
| Preserved with HNO ₃ pH < 2 | | EPA 200.7 | | | CP-AES | | 20 mg/L (ppm) | |
| Drinking Water Unpreserved | <u> </u> | EPA 200.9 | | Graphi | ite Furnace A/ | A 0,1 | 003 mg/L (ppm) | |
| Preserved with HNO ₃ pH < 2 | | EPA 200.8 | | | ICP-MS | 0. | 001 mg/L (ppm) | |
| TSP/SPM Filter | | 40 CFR Part 5 | 50 | | ICP-AES | | 12 µg/filter | |
| | | 40 CFR Part 5 | i0 | Graph | ite Furnace A | <u>^</u> | 3.6 µg/filter | |
| Other: | · | | | | | | | |
| Name of Sampler: | \checkmark | la f. | Signa | ture of S | Sampler: | Jung 1 | hand | |
| Sample # | Locati | 00 | | Volur | me/Area | | Bate/Time S | ampled |
| 1401 Po 01 KIT 132 - | | | WAITH I | NALC . | | | 0/20/21 /S | |
| 1401 Pb OZ RM 732. | | | BLOFU | DU | | | 8/20/21 15 | -61 |
| | | | | | | | | |
| | - | | | | | | | |
| | | | | | | | | |
| Client Sample #'s //// | 400 | | | | Total # / | of Samn | | |
| Ballagwiched (Oliont) | | - Data: | | 2. | 1 10tal # 0 | | | |
| Reinquisned (Client): | reg [] | Date: | $-\frac{\partial/20}{\alpha}$ | $\frac{ Z }{ X }$ | | me:// | 4 | |
| Received (Lab): | ~ | _ [ハン] Date: | <u>()</u> | <u>1-1 ¹-1</u> | - Tir | ne: | lpn' | |
| TTLC Waste | | | | | | | 1 | |
| | | | | | · | | | |
| | | | 1 | | | | | |

Page 1 of ____ pages



Building Name:

Lakeside Plaza

Print Date:

12/20/2007

City:

Oakland

Bldg #-Drawing

Name-Floor:

04430-Lakeside-7th Flr

USF

9,882

Street Address:

1401 Lakeside Drive



NTERES BLOG. 1931

MICRO ANALYTICAL LABORATORIES. INC.

BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)

Page 1 of 3

1023 Steff Steiner RGA Environmental, Inc. 1466 66th Street Emeryville, CA 94608

PROJECT: 1401 LAKESIDE DRIVE 12TH FLOOR PROJECT NO. COAL17358

102386 Micro Log In

Total Samples 15 Date Sampled 08/24/2007 Date Received 08/24/2007 Date Analyzed 08/27/2007

ASBESTOS INFORMATION DOMINANT OTHER MATERIALS SAMPLE IDENTIFICATION QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES Ciient: 1401-12-1A Micro: 102386-01 NONE DETECTED Analyst: KM TAN MASTIC FOR BLUE CARPET CLOSET AREA Matrix Type: SYNTHETIC MATERIAL Client: 1401-12-1B NONE DETECTED Micro: 102386-02 Analyst: KM TAN MASTIC FOR BLUE CARPET FRONT OFFICE Matrix Type: SYNTHETIC MATERIAL Client: 1401-12-1C NONE DETECTED Micro: 102386-03 Analyst: KM TAN MASTIC FOR BLUE CARPET NORTHEAST OFFICE Matrix Type: SYNTHETIC MATERIAL Client: 1401-12-2A 20 % CELLULOSE MASTIC (TAN): NONE DETECTED Micro: 102386-04 Analyst: KM COVE BASE, 4", TAN MASTIC CLOSET AREA BACKING: NONE DETECTED Matrix Type: SYNTHETIC MATERIAL Client: 1401-12-2B 20 % CELLULOSE Micro: 102386-05 Analyst; KM MASTIC (TAN): NONE DETECTED COVE BASE, 4", TAN MASTIC FRONT OFFICE BACKING: NONE DETECTED Matrix Type: SYNTHETIC MATERIAL

Technical Supervisor;

Sarder Heir 8/27/2007

Frank Raviola, Laboratory Director Date Reported

Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Asbence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cai-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Polit Counting or TEM is recommended. Only dominant non-asbestos materials are indicated. Interferences may prevent detection of small asbestos tibers, and hinder determination of some optical properties. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. Layers are analyzed separately when feasible; if asbestos is detected, asbestos percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. Composite responsible for identification and description of bulk materials listed on teid forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC) Codes: A1/A2 = results within acceptance limits; B = no asbestos in lab blank; R = resolved after review. Accreditation by NIST / NVLAP (Lab Code 101872-0). CA ELAP Certification #1037. EPA 1993 method is based on EPA Interim Method (1982), with improved analytical techniques. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. ND = NO ASBESTOS DETECTED.

MICRO ANALYTICAL LABORATORIES, INC.

BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)

Page 2 of 3

1023

Steff Steiner RGA Environmental, Inc. 1466 66th Street Emeryville, CA 94608

PROJECT: 1401 LAKESIDE DRIVE 12TH FLOOR PROJECT NO. COAL17358

Micro Log In **102386** Total Samples 15 Date Sampled 08/24/2007 Date Analyzed 08/27/2007

| | ASBESTOS INFORMATION QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES | DOMINANT OTHER MATERIALS |
|--|---|---|
| Client: 1401-12-2C Micro: 102386-06 Analyst: KM COVE BASE, 4", TAN MASTIC NORTHEAST OFFICE | MASTIC (TAN): NONE DETECTED BACKING: NONE DETECTED | 20 % CELLULOSE |
| | | Matrix Type: SYNTHETIC MATERIAL |
| Client: 1401-12-3A Micro: 102386-07 Analyst: KM DRYWALL WITH TAPING COMPOUND CLOSET AREA | DRYWALL: NONE DETECTED TAPING COMPOUND: NONE DETECTED | 10 % CELLULOSE 3 % FIBROUS GLASS Matrix MIXED CARBONATE - Type: GYPSUM |
| Client: 1401-12-38 Micro: 102386-08 Analyst: KM DRYWALL WITH TAPING COMPOUND NORTHEAST OFFICE | DRYWALL: NONE DETECTED TAPING COMPOUND: NONE DETECTED | 10 % CELLULOSE 3 % FIBROUS GLASS Matrix MIXED CARBONATE - Type: GYPSUM |
| Client: 1401-12-3C Micro: 102386-09 Analyst: KM DRYWALL WITH TAPING COMPOUND FRONT OFFICE | DRYWALL: NONE DETECTED TAPING COMPOUND: NONE DETECTED | 10 % CELLULOSE 3 % FIBROUS GLASS Matrix MIXED CARBONATE - Type: GYPSUM |
| Client: 1401-12-3A Micro: 102386-10 Analyst: KM COVE BASE MASTIC FILE ROOM FOR HR | MASTIC: NONE DETECTED BACKING: NONE DETECTED | 20 % CELLULOSE |
| | a | Type: SYNTHETIC MATERIAL |

Technical Supervisor:

8/27/2007

HI Frank Raviola, Laboratory Director Date Reported

Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Asbestos (in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM is recommended. Only dominant non-asbestos materials are indicated. Interferences may prevent detection of small asbestos separately when feasible; if asbestos is detected, asbestos percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. Composite asbestos percentages are applicable on field forms. Laboratory descriptions of ustifications of material as "joint compound". Customers are analyzed responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC) Codes: A1/A2 = results within acceptance limit; B = no asbestos in lab blank; R = resolved after review. Accredition by NIST / NVLAP (Lab Code 101872-0). CA ELAP Certification #1037. EPA 1993 method is based on EPA Interim Method (1982), with improved analytical techniques. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report shall not be reproduced without the approval of Micro Analysical Laboratories, Inc., shall not be reproduced except in full, and pertains only to the samples analyzed. ND = NO ASBESTOS DETECTED.

5900 HOLLIS STREET, SUITE M - EMERYVILLE, CA 94608 - (510) 653-0824

MICRO ANALYTICAL LABORATORIES, INC.

BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)

Page 3 of 3

1023 Steff Steiner RGA Environmental, Inc.

1466 66th Street Emeryville, CA 94608 PROJECT: 1401 LAKESIDE DRIVE 12TH FLOOR PROJECT NO. COAL17358

| Micro Log In | 102386 |
|---------------|------------|
| Total Samples | 15 |
| Date Sampled | 08/24/2007 |
| Date Received | 08/24/2007 |
| Date Analyzed | 08/27/2007 |

| SAMPLE IDENTIFICATION | ASBESTOS INFORMATION QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES | DOMINANT OTHER MATERIALS |
|--|---|--|
| Client: 1401-12-3B Micro: 102386-11 Analyst: KM COVE BASE MASTIC SOUTHWEST CORNER OF ROOM | MASTIC: NONE DETECTED BACKING: NONE DETECTED | 20 % CELLULOSE |
| 2 J | | Type: SYNTHETIC MATERIAL |
| Client: 1401-12-3C Micro: 102386-12 Analyst: KM COVE BASE MASTIC Analyst: KM | MASTIC: NONE DETECTED BACKING: NONE DETECTED | 20 % CELLULOSE |
| | | Matrix Type: SYNTHETIC MATERIAL |
| Client: 1401-12-5A | | |
| Micro: 102386-13 Analyst; KM CARPET MASTIC FILE ROOM HR | NONE DETECTED | |
| | | Matrix Type: SYNTHETIC MATERIAL |
| Client: 1401-12-5B | _ | |
| Micro: 102386-14 Analyst: KM CARPET MASTIC SOUTHWEST CORNER | NONE DETECTED | Matrix |
| | | Type: SYNTHETIC MATERIAL |
| Client: 1401-12-5C | | |
| Micro: 102386-15 Analyst: KM CARPET MASTIC NORTH SIDE | MASTIC: NONE DETECTED LEVELING COMPOUND: NONE DETECTED | Matrix CARBONATE Type: SYNTHETIC MATERIAL |

Technical Supervisor:

Sander Hen 8/27/2007

Grank Raviola, Laboratory Director Date Reported

Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Asbence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). The lower quantitation limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction materials to 1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM is recommended. Only dominant non-asbestos materials are indicated. Interferences may prevent detection of small asbestos separately when feasible; if asbestos is detected, asbestos percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. Composite asbestos percentages are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are asolely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC) Codes: A1/A2 = results within acceptance limits; B = no asbestos in lab blank; R = resolved after review. Accreditation by NIST / NVLAP (Lab Code 101872-0). CA ELAP Certification #1037. EPA 1993 method is based on EPA Interim Method (1982), with Improved analylical techniques. Unless otherwise stated herein, all samples were received in acceptable condition for analysis. This report shall not be reproduced without the approval of Micro Analytical Laboratories, inc., shall not be reproduced except in full, and pertains only to the samples analyzed. ND = NO ASBESTOS DETECTED.

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| | (^{**} | |
|--------------------------------------|---|---|
| ≜ R(| λ | |
| | | ACM BULK SAMPLE DATA SHEET |
| PM - S. Steiner | ENTAL PM-K.Schroeter PM-K.Bilarim | * PLM Analysis |
| Steff@rgaenv.com fax: 510 899.705 | karin@rgaenv.com ken@rgaenv.com 1 fax: 510.899.7063 fax: 510.899.7053 | X Stop Analysis at First Positive PAGE OF |
| PM – B Weishr | M - T Katteboo - DM - D Cile | Analyze All Samples |
| brent.weisbrod@rg | aenv.com tedd@rgaenv.com bob@rgaenv.com | Point Count Analysis (100 miles) |
| tax: 510.899.706 | 2 fax: 510.899.7070 fax: 510.899.7050 | _ Tom Count Analysis (400-point) |
| Project Name/Add | Iress: 1401 CAKESIDE DA 12 | 27 FLUOR PO# |
| RGA Project #: | UAL/7358 Sampled 1 | By: KEVIN REEVESampling Date 8/24/07 |
| Sample(s) Sent To | RGA EMSL Other: | TAT: Rush 🗙 24Hrs 3-5 Days |
| ***FAX OR | E-MAIL REPORT TO. SEE AROL | |
| *** ADDITION | L DEBODE DECIDIENT(C) | VE PROJECT MANAGER (PM)*** |
| ADDITION | AL REPORT RECIPIENT(S); | *** |
| HM# | Material Description: TAN MASTIC | FOR BLUE CARPET |
| Sample ID | Sample Location & Material Location | Quantity: |
| 1401-12-1A | claset area | |
| IB | FRONT OFFICE | |
| 1.6 | NE OFFICE | |
| HM# | Material Description' CAUC RACE | |
| Sample ID | Sample Location & Material Location | , TAN MASTIC |
| 1401-12-20 | CLOSET AREA | Quantity: |
| 2.8 | ERANT AGGICG | |
| 20 | NE | |
| LIM# | | |
| Comple ID | Material Description: DRYWALL WI- | TAPING CUMPUUND |
| | Sample Location & Material Location | Quantity: |
| 1401-12-SA | CLUSET AREA | |
| 315 | NEOFFICE | |
| 75 | FRONT OFFICE | |
| HM# | Material Description: COVE BASE M | ASTIC, |
| Sample ID | Sample Location & Material Location | Quantity: |
| 1401-12-4A | FILS RM for HA | |
| 48 | SW CORNER of RIDOM | |
| 40 | 6 | |
| HM# | Material Description: CAA ACT DA | T) (|
| Sample ID | Sample Location & Material Location | Quantity |
| SA | FILE RM HR. | |
| SR | SIN CORNER | pil d. U.L |
| Sr. | N SIDE | BIH WIRE TH TO |
| | #× | |
| | | ATTA: Jason G |
| | | |
| | | 2 |
| | | |
| Relinguished Bv | KEUINKEEVE Signature | a prime abulan |
| Received By | Kan Szoluel | |
| Dolinguisted D | Signature Signature | Date/Time: 8/24/17 3.4 |
| Reiniquisned By | Signature | Date/Time: |
| Received By: | Signature | Date/Time: |
| | | |

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NO.446 **D**002 1931 04430

MICRO ANALYTICAL LABORATORIES, INC.

BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)

1098

Mike Benefield **IHI Environmental** 1260 45th Street, Suite L Emeryville, CA 94608

PROJECT: **COA - 3 BUILDINGS** LTD SAMPLING 1401 LAKESIDE DRIVE OAKLAND, CA 08B-2172

113886 Micro Log In Total Samples 14 Date Sampled 07/15/2008 Date Received 07/15/2008 Date Analyzed 07/15/2008

Page 1 of 3

ASBESTOS INFORMATION

DOMINANT QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES SAMPLE (DENTIFICATION OTHER MATERIALS Client: 2172-7/15-201-1 6% CELLULOSE ADHESIVE (YELLOW); NONE DETECTED Micro: 113886-01 Analyst DA GROUT (WHITE): NONE DETECTED CERAMIC WALL TILE ADHESIVE & GROUT Main's ROCK FRAGMENTS MENS 3 NEAR DOOR TYPE: SYNTHETIC MATERIAL Client 2172-7/15-202-1 ADRESIVE NONE DETECTED Micro: 113886-02 Analyst: DA GROUT: NONE DETECTED CERAMIC WALL TILE ADHESIVE & GROUT MATIX CARBONATE MENS 3 AT DOOR THRESHOLD Type: ROCK FRAGMENTS Client: 2172-7/15-201-2 . 20 % CELLULOSE ADHESIVE: NONE DETECTED Micro: 113886-03 Analyst: na

| CERAMIC WALL TILE ADHESIVE & GROUT WOMEN 1 AT SOUTH WALL | | AOUT: NONE DETECTED Main's CARBI NPER: NONE DETECTED Main's CARBI Type: ROCK Type: ROCK | Malrix CARBONATE Type: ROCK FRAGMENTS |
|---|-------------|---|---|
| Client: 2172-7/15-202-2 Micro: 113886-04 CERAMIC WALL TILE ADHESIVE & GROUT WOMEN 1 AT DOOR THRESHO | Analyst da | ADHESIVE: NONE DETECTED GROUT: NONE DETECTED TILE: NONE DETECTED | Mattix CLAY Tyde: ROCK FRAGMENTS |
| Client: 2172-7/15-201-3 Micro: 113886-05 CERAMIC WALL TILE ADHESIVE & GROUT WOMEN 4 BY DOOR | Anelyst: DA | ADHESIVÉ: NONE DETECTED GROUT: NONE DÉTECTED PAPER: NONE DETECTED | 20 % CELLULOSE Mainx CARBONATE Tyde: Synthetic Material |

7/16/2008 Technical Supervisor: Date Reported Gamini Ranatunga, Ph.D.

Asbestos is quantified by calibrated visual estimation, Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM, Asbestos with diameter below ~1 µm may not be detected by PLM. Absence of asbestos in duat, debris, and some compact materials, including itoor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM is recommended. Only dominant non-asbestos materials are indicated, interferences may prevent detection of small asbestos; libers, and hinder determination of some optical percenter. Sample bettersoneable is indicated by interferences may prevent detection of small asbestos fibers, and hinder determination of some optical is detersoneable. It is indicated by interferences may prevent detection of small asbestos fibers, and hinder determination of some optical is detersoneable. It is detersoneable is indicated by interferences may prevent detection of small asbestos fibers. properties. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. Layers are analyzed separately when feasible; if asbestos is detected, percentages are reported for individual layers. Internayer contamination is possible among any layers in a sample. Composite asbestos percentages are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers. Quality Control (QC) Codes: A1/A2 = results within acceptance limits; F = false positive or negative corrected, reanalysis within acceptance limits; M = Wethod stor resolved for trace amounts): R = Other, resolved after review. Accreditation: NIST / NVLAP (Lab Code 101872.0), CA ELAP Confication #1037, EPA 1993 method is based on EPA interim Method (1982), with improved analytical tochniques. Unless otherwise stated herein, all samples were resolved in acceptable condition for analysis. This report must not be used to claim product endorsement by NIST or any U.S. Government agency. This report shall not be reproduced without the approval of Micro Analytical Laboratories, Inc., shall not be reproduced cocept in full, and pertains only to the samples analyzed. ND = NO ASBESTOS DETECTED. 5900 HOLLIS STREET, SUITE M - EMERYVILLE, CA 94608 - (510) 653-0824

MICRO ANALYTICAL LABORATORIES, INC.

BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)

1098

Mike Benefield **IHI** Environmental 1260 45th Street, Suite L Emeryville, CA 94608

PROJECT: **COA - 3 BUILDINGS** LTD SAMPLING 1401 LAKESIDE DRIVE OAKLAND, CA 08B-2172

Micro Log In 113886 Total Samples 14 Date Sampled 07/15/2008 Date Received 07/15/2008 Date Analyzed 07/15/2008

| SAMPLE IDENTIFICATION | ASBESTOS INFORMATION QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES | DOMINANT OTHER MATERIALS |
|---|--|---|
| Client: 2172-7/15-202-3 | ADHESIVE: NONE DETECTED GROUT: NONE DETECTED | 2% CELLULOSE |
| Client: 2172-7/15-203-1 Micro: 113886-07 Analyst: DA GYPSUM WALLBOARD SYSTEM MIENS 3 BEHIND DOOR | GR WALLBOARD: NONE DETECTED TEXTURE: NONE DETECTED PAINT: NONE DETECTED (NO TAPE IN THE SAMPLE) | Type: ROCK FRAGMENTS |
| Client: 2172-7/15-204-1 * Micro: 113886-08 Analyst: DA COVEBASE & ADHESIVE BREAKROOM 122 NORTHEAST | COVE BASE: NONE DETECTED ADHESIVE; NONE DETECTED | MBTIX CARBONATE Tydo: SYNTHETIC MATERIAL |
| Client: 2172-7/15-205-1 Micro: 1138865-09 Analyst: DA GYPSUM WALLBOARD SYSTEM BREAKROOM 122 NORTHWEST | WALLBOARD: NONE DETECTED JOINT COMPOUND: NONE DETECTED TEXTURE / PAINT: NONE DETECTED | 10 % CELLULOSE 2 % FIBROUS GLASS Matrix MIXED CARBONATE - Type: GYPSUM |
| Client: 2172-7/15-2U5-2 * Micro: 113886-10 Analyst DA GYPSUM WALLBOARD SYSTEN BREAKROOM 122 NORTHEAST | WALLBOARD: NONE DETECTED JOINT COMPOUND: NONE DETECTED TEXTURE / PAINT: NONE DETECTED | 10 % CELLULOSE 2 % FIBROUS GLASS Matrix MIXED CARBONATE - Type: GYPSUM |

Technical Supervisor: 7/16/2008 Date Reported än Gamini Ranatunga, Ph.D.

Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM, Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Transmission Electron Microscopy (TEM). The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM is recommended. Only dominant non-asbestos materials are indicated. Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Sample heterogeneity is indicated by listing more than one distinct layer or material on the report. Layers are analyzed separately when teasible; if asbestos is detected, percentages are reported for individual layers. Interfayer contamination is possible among any layers in a sample. Composite asbestos percentages are apolicable only to wallboard *i* (cint compound systems: composition is based on customers' descriptions of meterials. percentages are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by Customers are solely responsible to identification and description of bluk materials issue on ticle forms. Laboratory descriptions may during from mose given by customers. Quality Control (QC) Codes: A1/A2 = results within acceptance limits; F = false positive or negative corrected, reanalysis within acceptance limits; <math>M = Method arror resolved (for trace amounts); <math>R = Other, resolved are review. Accreditation: NIST (NVLAP (Lab Code 101872-0). CA ELAP Certification ±1037 escaptable condition for analysis. This report must not be used to claim product endersement by NIST or any U.S. Government agency. This report shall not bereproduced without the approval of Micro Analytical Laboratories, inc., shall not be reproduced except in full, and pertains only to the samples analyzed. ND = NOacceptable condition for analysis. This report must not be used to claim produce endersement by NIST or any U.S. Government agency. This report shall not bereproduced without the approval of Micro Analytical Laboratories, inc., shall not be reproduced except in full, and pertains only to the samples analyzed. ND = NOacceptable condition for analysis.ASBESTOS DETECTED.

5900 HOLLIS STREET, SUITE M - EMERYVILLE, CA 94608 - (510) 653-0824

Page 2 of 3

MICRO ANALYTICAL LABORATORIES, INC.

BULK ASBESTOS ANALYSIS - PLM (EPA/600/R-93/116, 1993)

Page 3 of 3

1098 Micro Log In 113886 PROJECT: Mike Benefield COA - 3 BUILDINGS Total Samples 14 IHI Environmental LTD SAMPLING 1260 45th Street, Suite L 1401 LAKESIDE DRIVE Date Sampled 07/15/2008 Emeryville, CA 94608 OAKLAND, CA Date Received 07/15/2008 088-2172 Date Analyzed 07/15/2008

ASPECTOS INFORMATION

| SAMPLE IDENTIFICATION | QUANTITY (AREA %) / TYPES / LAYERS / DISTINCT SAMPLES | DOMINANT OTHER MATERIALS |
|---|---|--|
| Client: 2172-7/15-205-3 Micro: 113886-11 Analyst: DA GYPSUM WALLBOARD SYSTEM BREAKROOM 122 NORTHEAST | WALLBOARD: NONE DETECTED JOINT COMPOUND: NONE DETECTED PAINT: NONE DETECTED | 20 % CELLULOSE Matrix MIXED CARBONATE - Type: GYPSUM |
| Client: 2172-7/15-206-1 Micro: 113886-12 Analyst: DA GR SKIM COAT BREAKROOM 122 NORTHWEST | SKIM COAT: NONE DETECTED PAINT: NONE DETECTED TAPE: NONE DETECTED | 15 % CELLULOSE Matrix CARBONATE Type: Synthetic Material QC: A3 |
| Client: 2172-7/15-206-2 Micro: 113886-13 Analysic da skilu coat BREAKROOM 122 NORTHEAST | SKIM COAT: NONE DETECTED PAINT: NONE DETECTED TAPE: NONE DETECTED | 15 % CELLULOSE Mathix CARBONATE Tyde: SYNTHETIC MATERIAL |
| Client: 2172-7/15-206-3 Micro: 113886-14 Analyst: DA SKIM COAT BHEAKROOM 122 NORTHEAST | SKIM COAT: NONE DETECTED PAINT: NONE DETECTED TAPE: NONE DETECTED | 15 % CELLULOSE Matrix CARBONATE Type: SYNTHETIC MATERIAL |

7/16/2008 Technical Supervisor: Date Reported Ū°, Gamini Ranatunga, Ph.D.

Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent, Detection of asbestos traces (much leas than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diamoter below ~1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials. Including floor tiles, cannot be conclusively established by PLM, and should be continued by Transmission Electron Microscopy (TEM). The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA detinition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos percent at this level cannot be done by PLM estimation; PLM Point Counting or TEM is recommended. Only dominant non-astestos materials are indicated by listing more than one detainnt targer or material on the report. Layers are analyzed separately when teasible; if asbestos is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample, Composite asbestos percentages are applicable only to wallboard / joint compound systems; compositing is based on customers' descriptions of material as "joint compound". Customers: are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers: are solely responsible for identification and description of bulk materials listed on field forms. Laboratory descriptions may differ from those given by customers, Quality Control (QC) Codes: A1/A2 = results within acceptance limits; F = false positive or negative corrected, reanalysis within acceptance limits; M = Michod error resolved (for trace amounts); R = Other, resolved after review. Accreditation: NIST / NVLAP (Lab Code 101672-0). CA ELAP Certification #1037. EPA 1933 method is based on EPA interim Method (1982), with improved analytical techniques. Unless otherwise stated herein, af sample 07/15/2008 22:08

ND. 446 0005

| IHI Environmental | Bulk Sample Data Shee | et and Chain of Custody |
|--|-----------------------|-------------------------|
| Designal Manage C. A. A. A. N. N.C. and C. C. M. M. | | Nataal |
| Project Name: COA SELIAS LTB SAUTLINE | Date: //6/03 | inoles: |
| Project Number: 088-47 | PLM Pt.Cht. / AA | |
| Address: 1401 LAKESIDE JR, OAKLAND | Turn Around Time | |
| Sampled By: M. BENCLICIA | Rush (24hr) Std | |
| Sample ID# Material Description | Sample Location | Phot |
| | MELSKRWT AP DADE | |
| ND-715-201-1 (Granichelau Tec Adresius & FRAT | | |
| 172-745-202-1 CommerFlow TILE ADHESIVE & GROUT | NER'S B C DOOR | THRESHOLD |
| 2172-75-201-2 Cermic Wall Tite Adhesive Eleven | WOULD O SOUTH | waie |
| 12-7/5-202-2 Corrie Wall Tile iddresius & Grant | Woman () @ Daun | THRESTOLD |
| 2172-7/15-201-3 Granic Well TILE ADVIESWERGE | t WIMEN (4) BY C | DUCK 1 |
| 2172-715-202- 3 Covernic Floor Tile Adhesise & browt | WEMGEN () « DOUR | THRESHOLD |
| 2172-7/15-203-1 - GYRUM WALCOOARD 54576A | Mans (3) behind l | Dour |
| 2172-7/15-201-12 COVEBASE & ADRESIVE | BREAK RM (22) | North East |
| 2172-715-205-1 (-4150 WALBOARD 5-15 EA) | BREAK FM ED | NW |
| 2172-7/15-205-2 UMPSUM WHALBOARD SUSTEM | ŝi ^{ri} | NE |
| 2172-7/15-205-3 FYPSUM WOLLBOARD SULTEL | 11. 6 | NE |
| 2172-7/15206-1, SKIM LOAT | ct 11 | NW |
| 2172-7/15-206-2, SWIM CONT | | NE |
| 2172-715-206-3 SKIM COAT | se ts | NE |
| · · · · · · · · · · · · · · · · · · · | | |
| | | |
| Bill to Co. Ala | aleda | |
| | | |
| | 1 | |
| Relinquished By: 715 Juli 715 15 | e Relinquished By: | Date//Tir |
| Received By: Date//Tim | e Received By: | Date//Tir |



1730 Minor Avenue, Suite 900, Seattle, WA 98101 OFFICE: (206) 281-8858 FAX: (206) 281-8922 email: laboratory@rgaenv.com

Bulk Asbestos Fiber Analysis (EPA 600/R-93/116)



NVLAP LAB CODE 200613-0

County of Alameda

Project Location: Parking Garage 1401 Lakeside Oakland, CA RGA Batch Number: **13-0112** RGA Project Number: **COAL31970** Number of Samples: **4**

| | | Report Key | | |
|---------------------------------------|---|------------------------|------------------------------------|--|
| Client Sample ID RGA Lab ID | Layer ID (if applicable) Layer Description Layer Comments (if applicable) | Asbestos Components | Non-Asbestos Fibrous Components | Non-Fibrous Components |
| 1-A 13001144 | L-1 Gray concrete | No Asbestos Detected | | 50% Sand 30% Mineral Particles 20% Rocks |
| 1-B 13001145 | L-1 Gray concrete | No Asbestos Detected | | 50% Sand 30% Mineral Particles 20% Rocks |
| 2-A 13001146 | L-1 Red Granular material | No Asbestos Detected | | 40% Sand 40% Mineral Particles 20% Rust |
| | L-2 Gray concrete | No Asbestos Detected | | 50% Sand 30% Mineral Particles 20% Rocks |
| 2-B 13001147 | L-1 Gray concrete | No Asbestos Detected | | 50% Sand 30% Mineral Particles 20% Rocks |

This report relates only to the items tested. If samples are not collected by RGA Environmental personnel, accuracy of the results is limited by the methodology and expertise of the sample collector. Analyses are crosschecked with other laboratories for quality assurance purposes. This report shall not be reproduced except in full, without written approval of RGA Environmental. It shall not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government.

Sampled By: Steve Rogers ---and and the - 7 Received By: Abdulrazzak Mansur 1/17/2013 1/18/2013 1/18/2013 Reviewed By: Aruna Turaga Analyzed By: Adam Kinch

Sample Log Chain of Custody

RGA Laboratory Services

INTERNAL

| Client: Client Contact | | | RGA Batch #: | 13-01 | 12 | | |
|---|---|---|--------------------|----------------|-------------------|-------------------|----------|
| Company: County of Alameda | | а | | RGA Project #: | COAL31 | 970 | |
| Client Address: neral Services Agency / 1401 Lakeside Dr., 11 | | | ide Dr., 11th Flo | | Client Job #: | | |
| Oakland CA City State | | 94612 Zip | Number of Samples: | | 4 | | |
| Phon | ne #: | | | | TYPE OF ANALYSIS | | |
| 2nd o | or Cell #: | | | | ASBESTOS: | METALS: | |
| Fax | #: | na an an an Antain an | | | PCM (air) | Paint | Soil |
| e-ma | il Address: | | | | X PLM (bulk) | Wipe | Air |
| | | | | | Pt. Count (bulk) | TCLP | Water |
| | | | | | MOLD: P&K10 | 0 101 102 | _105117 |
| Pro | ject Manager: | Steff Stein | er | | Other Method: | | |
| Pro | ject Location: Parki | ng Garage | | | Turn Around Time | (other): 24 hour | |
| | 1401 | Lakeside | | | 2 hour / 4 hour | Same Day | One Day |
| • | Oakla | and, CA | | | Two Day | 3-5 days | 10 days |
| Condition: <u>Good</u> Damaged Severe Damage | | | Damage | | Price per Sample: | \$ | |
| # | Client Sample ID | RGA Laboratory ID | Comments | # | Client Sample ID | RGA Laboratory ID | Comments |
| 1 | 1-A | 13001144 | | 11 | | | |
| 2 | 1-B | 13001145 | | 12 | | | |
| 3 | 2-A | 13001146 | | 13 | | | |
| 4 | 2-В | 13001147 | | 14 | | | |
| 5 | | | | 15 | | | |
| 6 | | | | 16 | | | |
| 7 | | | | 17 | | | |
| 8 | | | | 18 | | | |
| 9 | ······································ | | | 19 | | | |
| 10 | | | | 20 | | | |
| | . | | · | Sig | gnature | Date | Time |
| Sam | pled by: | | - 53 | 5. ROGERS | | 11613 | |
| Reli | nquished by: | | | | | | |
| Received by: | | | <u>J</u> UF | HE | FLOHKA | 1116/13 | 1990 |
| Received for Laboratory by: | | | | | | 1113 | 1211 |
| Analyzed by: | | | AT > | | | | |
| Preliminary Results Reported to P.M. by: | | | 100 | Z | | 1813 | |
| Final Report to P.M. by: | | | | | · . | | |
| Spe Due | Special Instructions: Analyze all samples Due by 1/18/2013 | | | | | | |

| \ | | 13-0112 | | | |
|---|---|--|--|--|--|
| ENVIRON PM-S. Stein <u>steff@rgaenv.c</u> fax: 510.899.70 PM-T. Kattch <u>tedd@rgaenv.c</u> fax: 510.899.70 | MENTAL PM – K. Schroeter com fax: 510.899.7063 MEN – K. Schroeter karin@rgaenv.com fax: 510.899.7063 nee PM – B. Gils bob@rgaenv.com fax: 510.899.7050 fax: 510.899.7062 | ACM BULK SAMPLE DATA SHEET * PLM Analysis Stop Analysis at First Positive PAGEOF Analyze All Samples Point Count Analysis (400-point) | | | |
| Project Name/A | ddress/Building No.: 1401 Lakeside Dak | and CA (Parksin agroup) | | | |
| RGA Project: | ON-31970 Sampled By: (Show | Sample Date 1-2/ 17 | | | |
| Sample(s) Sent T | o: <u>C</u> RGA EMSL Other: | TAT: Rush 24Hrs 3-5 Days | | | |
| ***FAX OR | E-MAIL REPORT TO: SEE ABOVE P | PROJECT MANAGER (PM) *** | | | |
| ***ADDITION | AL REPORT RECIPIENT(S): | *** | | | |
| HM# 1 | Material Description: Commence and 1 | | | | |
| Sample ID | Sample Location & Material Location | Quantity: | | | |
| <u> </u> | P-1 Parking garage South way | 1/ at water name | | | |
| /-B | P-2 Parking garage South we | allat sprinkler system min | | | |
| | | | | | |
| HM# 12 | Material Description: Coverete floor | a de star a seconda de la companya d | | | |
| | Sample ID Sample Location & Material Location Quantity: | | | | |
| 2~ B | 2- B 1-2 Danking garage of South wall water wain | | | | |
| | 1 - Tarreng garage as carning | 11 Spulweler Main | | | |
| HM# | Material Description: | | | | |
| Sample ID | Sample Location & Material Location | Quantity: | | | |
| <u>A</u> | A | | | | |
| B | | | | | |
| C | | | | | |
| Sample ID | Material Description: Sample Location & Material Location | Quantity | | | |
| A | | Quantity. | | | |
| В | | · · · · · · · · · · · · · · · · · · · | | | |
| C | | | | | |
| HM# | Material Description: | | | | |
| Sample ID | Sample Location & Material Location | Quantity: | | | |
| A | | | | | |
| | | | | | |
| | D | | | | |
| E | | | | | |
| F | | | | | |
| G | | | | | |
| Relinquished By Street Press Signatures Har Determined by 125 - 25 | | | | | |
| Received By: Thmome Flohra Signature: Date/Time: 6-16-19 1808 | | | | | |
| Relinquished By: | | | | | |
| Received By: | RAZ MANSIRO Signature | Date/Time: 111717 | | | |
| J • | Orgunature. A | | | | |

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04430 /1931 Ent 2/2/16



ASBESTOS TEM LABORATORIES, INC.

EPA Interim Method Polarized Light Microscopy Analytical Report

Laboratory Job # 338360

600 Bancroft Way, Ste. A Berkeley, CA. 94710 (510) 704-8930 FAX (510) 704-8429 www.asbestostemlabs.com

With Branch Offices Located At: 1350 FREEPORT BLVD. UNIT 104, SPARKS, NV 89431 Ph. (775) 359-3377



ASBESTOS TEM LABORATORIES, INC

NVLAP Lab Code: 101891-Berkeley, CA

Dec-24-15

Steffan Steiner Terracon Consultants, Inc. 1260 45th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 338360</u>
 Polarized light microscopy analytical results for 7 bulk sample(s).
 Job Site: 1401 Lakeside Drive Oakland, California
 Job No.: R1158379

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into a standard report format and reviewed by the authorized signatory before being released to the client.

Sincerely Yours,

R. me Pour

Lab Manager ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, with the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---

Note: Test samples will be stored for three months after data of receipt, after which they will be properly disposed unless client makes other arrangements with the laboratory.

POLARIZED LIGHT MICROSCOPY

ANALYTICAL REPORT

1 of -Page: EPA Method 600/R-93/116 or 600/M4-82-020 Samples Indicated: 7 Report No. 338360 Contact: Steffan Steiner Reg. Samples Analyzed: 7 Date Submitted: Dec-23-15 Address: Terracon Consultants, Inc. 0 Split Layers Analyzed: Date Reported: Dec-24-15 1260 45th Street Job Site / No. 1401 Lakeside Drive Oakland, California Emeryville, CA 94608 R1158379 **OTHER DATA** DESCRIPTION 1) Non-Asbestos Fibers 2) Matrix Materials SAMPLE ID ASBESTOS FIELD 3) Date/Time Collected 4) Date Analyzed % TYPE LAB 1)2-10% Cellulose,Fiberglass 1st floor electrical room 01-SP5-01 None Detected 2) 90-98% Calc Lab ID # 1434-00642-001 Insulation-Off-White/Grev 4) Dec-24-15 3)Dec-23-15 1)2-10% Cellulose, Fiberglass 4th floor electrical room 01-SP5-02 None Detected 2)90-98% Calc Lab ID # 1434-00642-002 Insulation-Off-White/Grey **3)** Dec-23-15 4) Dec-24-15 1)2-10% Cellulose, Fiberglass 7th floor electrical room 01-SP5-03 None Detected 2) 90-98% Calc Lab ID # 1434-00642-003 Insulation-Off-White/Grev 4) Dec-24-15 3) Dec-23-15 1)2-10% Cellulose, Fiberglass 9th floor electrical room 01-SP5-04 **None Detected** 2) 90-98% Calc Lab ID # 1434-00642-004 Insulation-Off-White/Grey 3) Dec-23-15 4) Dec-24-15 1)2-10% Cellulose, Fiberglass 10th floor electrical room 01-SP5-05 None Detected 2)90-98% Calc Lab ID # 1434-00642-005 Insulation-Off-White/Grey 3) Dec-23-15 4)Dec-24-15 1)2-10% Cellulose, Fiberglass 11th floor electrical room 01-SP5-06 **None Detected** 2) 90-98% Calc Lab ID # 1434-00642-006 Insulation-Off-White/Grev 4) Dec-24-15 3) Dec-23-15 1)2-10% Cellulose, Fiberglass 12th floor electrical room 01-SP5-07 **None Detected** 2) 90-98% Calc Lab ID # 1434-00642-007 Insulation-Off-White/Grey 3) Dec-23-15 4)Dec-24-15 1) 2) 3) Lab ID # 4) 1) 2) Lab ID # 3) 4) 1) 2) Lab ID # 3) 4)

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

10 Am Analyst

ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com

600 Bancroft Way, Ste. A, Berkeley CA 94710 (510) 704-8930 With Offices in Reno, NV (775) 359-3377

| | | Terracon |
|---|---|--|
| PM - S. Steiner spsteiner@ierracon.c PM - M. Bryant mvbryant@terracon.c PM- M. Benefield msbenefield@terracon.c PM - W. Frieszell wmfrieszell@terracon.c | PM - K. Schroeter PM - K. Pilgrim kmschroeter@terracon.com PM - K. Pilgrim PM - T. Kattchee PM - B. Gils textstchee@terracon.com PM - B. Gils imm textstchee@terracon.com PM D. Ufferfilge PM - M. Bishop dufferfilge@terracon.com PM - M. Bishop send copy of results to mrbishcp@terracon.com | ACM BULK SAMPLE DATA SHEET PLM Analysis (Analyze all samples) Stop Analysis at First Positive Point Count Analysis (400-point) PAGE 1 OF 1 |
| Project Name/ Add Project# <u>R1158</u> Sample(s) sent to: *** <u>FAX OR</u> ***ADDITIC | ress/ Building No. <u>1401 Lakeside Drive Oakland, Californ</u> 379 Sampled By: <u>John Urban</u> Sa □ RGA □ EMSL ⊠ Other TAT E-MAIL REPORT TO: SEE ABOVE PRO DNAL REPORT RECIPIENT(S): John@rg | nia mpling Date: <u>12-23-15</u> NRush 24HRS 3-5 days DECT MANAGER (PM)*** gaenv.com *** |
| HM# 1 Sample ID 01-SP5-01 01-SP5-02 01-SP5-03 HM# 1 | Material Description: Concrete Sample Location & Material Location 1 st floor electrical room 4 th floor electrical room 7 th floor electrical room Material Description: Concrete | Quantity: |
| Sample ID 01-SP5 -04 01-SP5-05 01-SP5-06 HM# 1 | Sample Location & Material Location 9 th floor electrical room 10 th floor electrical room 11 th floor electrical room <i>Material Description:</i> Concrete | Quantity: |
| Sample ID 01-SP5-07 | Sample Location & Material Location 12 th floor electrical room | Quantity: |
| HM# Sample ID | Material Description: Sample Location & Material Location | Quantity: |
| Relinquished By: Received By: Relinquished By: Received By: | John Urban Chase Agrino Signature: Signature: Signature: Signature: | Date/Time: <u>12-23-15</u> Date/ Time: Date/Time: Date/Time: Date/Time: |

1466 66[#] Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983















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BLOL. 04430/1931 ENT. 1/30/17



ASBESTOS TEM LABORATORIES, INC.

EPA Interim Method Polarized Light Microscopy Analytical Report

Laboratory Job # 346489

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429 www.asbestostemlabs.com

With Branch Offices Located At: 1350 FREEPORT BLVD. UNIT 104, SPARKS, NV 89431 Ph. (775) 359-3377



CA DPH ELAP Lab No. 1866

NVLAP Lab Code: 101891-0 Berkeley, CA

ASBESTOS TEM LABORATORIES, INC

Dec-23-16

S. Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 346489</u> Polarized light microscopy analytical results for 4 bulk sample(s) with 2 sample split(s) Job Site: 1401 Lakeside Rm 1028 Job No.: R1167F47

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into a standard report format and reviewed by the authorized signatory before being released to the client.

Sincerely Yours,

ML

Lab Manager ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, with the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---

Note: Test samples will be stored for three months after data of receipt, after which they will be properly disposed unless client makes other arrangements with the laboratory.

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| PC-ARIZED LIGHT MICRC-COPY |
| ANALYTICAL REPORT |
| EPA Method 600/R-93/116 or 600/M4-82-020 |

| | EPA Method | l 600/R-93/116 or 600/M4-82-020 | Page: <u>1</u> of |
|---|---|---|--|
| Contact: S. Steiner Address: Terracon Consultar 1466 66th Street Emeryville, CA 94 | Samples Reg. San nts, Inc. Split Lay 4608 Job Site | Indicated: 4 nples Analyzed: 4 vers Analyzed: 2 / No. 1401 Lakeside Rm 1028 R1167F47 | Report No. 346489 Date Submitted:Dec-22-16Date Reported:Dec-23-16 |
| SAMPLE ID ASBESTOS % TYPE | | OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed | DESCRIPTION |
| 1401-01A | None Detecte | d 1)1-5% Cellulose 2)95-99% Gyp, Opq, Other m.p. | DW+JC - RM 1028 SE Corner |
| Lab ID # 1434-01940-001A | | 3) 4) Dec-23-16 | Drywall-Off-White |
| 1401-01A | None Detecte | d 1) 1-5% Cellulose 2) 95-99% Calc, Bndr, Mica, Other m.p. | DW+JC - RM 1028 SE Corner |
| Lab ID # 1434-01940-001B | | 3) 4) Dec-23-16 | JointCom/Text-Off-White |
| 1401-01B | None Detecte | d 1)1-5% Cellulose 2)95-99% Gyp, Opq, Other m.p. | DW+JC - RM 1028 E Wall at Col. |
| Lab ID # 1434-01940-002A | | 3) 4) Dec-23-16 | Drywall-Off-White |
| 1401-01B | None Detected | d 1)1-5% Cellulose 2)95-99% Calc, Bndr, Mica, Other m.p. | |
| Lab ID # 1434-01940-002B | • | 3) 4) Dec-23-16 | JointCom/Text-Off-White |
| 1401-02A | None Detected | d 1)None Detected 2)99-100% Cale, Bndr | Yellow Cove Glue - Rm 1028 |
| Lab ID # 1434-01940-003 | | 3) 4) Dec-23-16 | Mastic-Yellow |
| 1401-02B | None Detected | d 1)None Detected 2)99-100% Calc, Bndr | Yellow Cove Glue - Rm 1028 |
| Lab ID # 1434-01940-004 | | 3) 4) Dec-23-16 | Mastic-Yellow |
| | | 1) 2) | |
| Lab ID # | | 3) 4) | |
| | | 1) 2) | |
| Lab ID # | · | 3) 4) | |
| | | 1) 2) | |
| Lab ID # | | 3) 4) | |
| | | 1) 2) | |
| Lab ID # | | 3) 4) | |

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst_

To Am Hunter

ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com 600 Bancroft Way, Ste. A, Berkeley CA 94710 (510) 704-8930 With Offices in Reno, NV (775) 359-3377

| | | 2 | LARY TIerraco |
|--|---|--|--|
| APM – S. Steiner | PM – K. Schroeter | PM – K. Pilgrim kmcilgrim@lenacon.com | ACM BULK SAMPLE DATA SHEE |
|]PM – M, Bryant mvbryanl@terracon.c | DPM – T. Kattchee <u>takattchee@terrecon.com</u> | PM – W. Frieszell wmfrieszell@terracon.com | PLM Analysis (Analyze all samples) Stop Analysis at First Positive Reint Count Analysis (A00 point) |
| _IPM- M. Benetieko msbcnafield@terrac | on.com dufferfilde@terracon.com | mitishop@terracon.com | PAGE L OF |
| 'roject Name/ Addi | ress/Building No. 1401 L | skende Run W | <i>7</i> .46 |
| roject# ZUCT | FHT Sampled By: | MileB | Sampling Date: 12/22/16 |
| ample(s) sent to: | MAL AERO E | ILAB Other | |
| CAT 🗌 Rush | - 24HRS □ 48HR | 3-5 days | |
| HM# 1401-01 | Material Description | * <i>5</i> C_ | |
| Sample ID | Sample Location & Material I | ocation | Quantity: |
| 1401-012 | Zm 1020 SE C | - | |
| 1-1-013 | * * E b | all at Col. | |
| | | 2 A1 | |
| | Material Description: \ | ou Las Gluc | Quartibr |
| 14-1-022 | R. 1974 | | |
| 1421-02B | in al | | |
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| HM# | Material Description: | | and the second |
| Sample ID | Sample Location & Material I | Location | Quantity: |
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| D∕. ▲ | | and the second | man and a second se |
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| Sample ID | Sample Location & Material I | ocation | Quantity: |
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| HM# Sample ID | Material Description; Sample Location & Material I | Location | Quantity: |
| | | | |
| Relinquished By: | M.L.B. Sig | nature: 27 | Date/Time: 12/22-14 |
| kecewea By: Relinauished By- | Sig | Dature: | Date/Time: |
| Received By: | Sig | nature: | Date/Time: |
| Received By: | Sig 1466 66 th Street Emeryville C | nature: A 94608 Tel: (510) 547-777 | Date/Time: Fax: (510) 547-1983 12-22-16 PD2:27 |

RIGTFAT 12/22/14



C:\Users\jgarrison\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\Y6FIWX23\HazMat Request- Rm 1028.docx Page 3

MICRO ANALYTICAL LABORATORIES, INC. BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)

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PROJECT: 1023 Micro Log In 235364 Steff Steiner JOB NO. R1177890 **Total Samples** 4 1401 LAKESIDE DRIVE Terracon Consultants, Inc. 1466 66th Street Date Sampled 08/02/2017 Emeryville, CA 94608 Date Received 08/02/2017 08/02/2017 Date Analyzed QUANTITY (AREA %) / TYPES / LAYERS DOMINANT ASBESTOS INFORMATION OTHER MATERIALS SAMPLE IDENTIFICATION ND = NO ASBESTOS DETECTED Client #: 1401-01A FLOOR TILE: ND Analyst: EK GR Micro #: 235364-01 HM #1401-01 - 12" GREY TILE WITH BLACK MASTIC IT SERVER ROOM - 1ST FLOOR BLACK MASTIC: ND NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE. Client #: 1401-01B FLOOR TILE: ND Analyst: EK Micro #: 235364-02 BLACK MASTIC: ND HM #1401-01 - 12" GREY TILE WITH BLACK MASTIC IT SERVER ROOM - 1ST FLOOR NFM: SYNTHETIC MATERIAL, CARBONATE, ADHESIVE. Client #: | 1401-02A CONCRETE: ND Analyst: EK Micro #: 235364-03 HM #1401-02 - CONCRETE IT SERVER ROOM - 1ST FLOOR ROCK FRAGMENTS, CARBONATE, BINDER NFM: Client #: 1401-02B CONCRETE: ND Micro #: 235364-04 Analyst: EK HM #1401-02 - CONCRETE ROCK FRAGMENTS, CARBONATE, BINDER IT SERVER ROOM - 1ST FLOOR NFM:

RHM 0.4 8/2/2017 Technical Supervisor: Gamini Banatunga, Ph.D. Date Reported

NVLAP Lab Code 101872-0. CA ELAP Certification #1037. Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101. Basic techniques follow the EPA Interim Method for Bulk Insulation Samples (1982), and EPA-600/R93-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~1 µm may not be detected by PLM. Asbestos may be indistinguishable by PLM from some similar, non-regulated amphiboles (e.g. the "Libby Amphiboles" richterite and winchite), and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction material is 0.1% asbestos; however, reliable determination of asbestos materials (fibrous and non-fibrous) are listed. This analysis shall not be conclusively estimation for the presence of any non-asbestos material. Common interferences include, but are not limited to: cellulose, fibrous glass, other man-made vitreous fibers, elongate fragments of calcium sulfate, taic, wollastonite, animal hair, and other miscellaneous elongate particles. Sample heterogeneity is indicated by listing more than one distinct layer or not funct as pestors is detected by responsible anone. If more than one distinct aspects is detected, percentages are reported for individual layers. Interlayer contamination is possible among any layers in a sample. The calcium sulfate, taic, wollastonite, animal hair, and other miscellaneous elongate particles. Sample heterogeneity is indicated by listing more than one distinct layer or notation ND (or "NONE DETECTED") indicates a result of 'NO ASBESTOS DETECTED" in homogeneous sample, or in a layer of a he

5900 HOLLIS STREET, SUITE M - EMERYVILLE, CA 94608 - (510) 653-0824

ACM BULK SAMPLE DATA SHEET 1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983 XPM - S. Steiner PM - K. Schroeter ___PM – K. Pilgrim X PLM Analysis (Analyze all samples) spsteiner@terracon.com kmschroeter@terracon.com kmpilgrim@terracon.com Stop Analysis at First Positive PM- M. Benefield Point Count Analysis (400-point) PM - T. Kattchee PM - W. Frieszell msbenefield@terracon.com takattchee@terracon.com wmfrieszell@terracon.com PAGE OF (Project Name/Address/Building No.: 1401 LAKESIDE R Project #: R1177890 Sampled By: MC Sampling Date: Sample(s) Sent To: Emlab MAL other: TAT: Rush 24Hrs 48Hrs 3-5 Days Material Description 12 HM# 1401-01 SPEY THE BLACK NASTIC Sample Location & Material Location Sample IĎ Quantity: 1401-01A IT STERVER Room FLOR -OIB HM# 1401-02 Material Description: Conchete Sample ID Sample Location & Material Location Quantity: 1401-024 COOLUCK REON - 1 ST FLOR TT 023 HM# Material Description: Sample ID Sample Location & Material Location Quantity: HM# Material Description: Sample ID Sample Location & Material Location Quantity: HM# Material Description: Sample ID Sample Location & Material Location Quantity: Relinquished By: Signature: Date/Time: **Received By:** Signature: Date/Time: **Relinquished By:** Signature: Date/Time: **Received By:** Signature: Date/Time:

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Report for:

Mr. Steffen Steiner RGA Environmental, Inc. 1466 66th Street Emeryville, CA 94608

Regarding: Project: R1167B67; 1405 Lakeside, 14th St. Side Door Alcoves/Oakland, CA EML ID: 1818335

Approved by:

Rence Luna-Freepezymski

Approved Signatory Renee Luna-Trepczynski

Dates of Analysis: Asbestos PLM: 10-25-2017

Service SOPs: Asbestos PLM (EPA Methods 600/R-93/116 & 600/M4-82-020, SOP EM-AS-S-1267)

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: RGA Environmental, Inc. C/O: Mr. Steffen Steiner Re: R1167B67; 1405 Lakeside, 14th St. Side Door Alcoves/Oakland, CA 1501 West Knudsen Drive, Phoenix, AZ 85027 (800) 651-4802 Fax (623) 780-7695 www.emlab.com

Date of Sampling: 10-20-2017 Date of Receipt: 10-23-2017 Date of Report: 10-25-2017

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

| | Total Samples Submitted: | 16 |
|---|--|------------|
| | Total Samples Analyzed: | 16 |
| Tota | al Samples with Layer Asbestos Content > 1%: | 0 |
| ocation: 1405-01A, Concrete Floor;Southwest Alcove | e East Side Floor Lab ID-Version | ‡: 8514994 |
| Sample Layers | Asbestos Content | |
| Gray Concrete with Gray Coating | ND | |
| Sample Composite Homogeneity | y: Moderate | |
| ocation: 1405-01B, Concrete Floor;Southwest Alcove | e West Side Floor Lab ID-Version | ‡: 8514995 |
| · · · · | | |
| Sample Layers | Asbestos Content | |
| Sample Layers Gray Concrete with Multilayered Coating | Asbestos Content ND | |
| Sample Layers Gray Concrete with Multilayered Coating Sample Composite Homogeneity | Asbestos Content ND v: Moderate | |
| Sample Layers Gray Concrete with Multilayered Coating Sample Composite Homogeneity ocation: 1405-02A, Building Expansion Sealant;Sout Sample Layers | Asbestos Content ND V: Moderate thwest Alcove East Side Wall Lab ID-Version Asbestos Content | ‡: 8514996 |
| Sample Layers Gray Concrete with Multilayered Coating Sample Composite Homogeneity ocation: 1405-02A, Building Expansion Sealant;Sout Sample Layers White Sealant with Gray Surface | Asbestos Content ND V: Moderate thwest Alcove East Side Wall Lab ID-Version Asbestos Content ND | ‡: 8514996 |
| Sample Layers Gray Concrete with Multilayered Coating Sample Composite Homogeneity Decation: 1405-02A, Building Expansion Sealant;Sout Sample Layers White Sealant with Gray Surface Off-White Sealant | Asbestos Content ND V: Moderate Chrest Alcove East Side Wall Lab ID-Version Asbestos Content ND ND ND | ‡: 8514996 |
| Sample Layers Gray Concrete with Multilayered Coating Sample Composite Homogeneity ocation: 1405-02A, Building Expansion Sealant;Sout Sample Layers White Sealant with Gray Surface Off-White Sealant Yellow Foam | Asbestos Content ND V: Moderate thwest Alcove East Side Wall Lab ID-Version Asbestos Content ND ND ND ND | ‡: 8514996 |

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Multicolored Coating | ND |
| White Sealant | ND |
| Off-White Sealant | ND |
| Sample Composite Homogeneity: | Poor |

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.

 \ddagger 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: RGA Environmental, Inc. C/O: Mr. Steffen Steiner Re: R1167B67; 1405 Lakeside, 14th St. Side Door Alcoves/Oakland, CA Date of Sampling: 10-20-2017 Date of Receipt: 10-23-2017 Date of Report: 10-25-2017

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

Location: 1405-03A, Exterior Stucco With Aggregate; Southwest Alcove East Side Wall

Lab ID-Version[‡]: 8514998-1

| Sample Layers | Asbestos Content |
|---------------------------------|---|
| White Stucco with White Paint | ND |
| Gray Cementitious Material | ND |
| Dark Gray Cementitious Material | ND |
| Composite Non-Asbestos Content: | <1% Synthetic Fibers <1% Vermiculite |
| Sample Composite Homogeneity: | Poor |

Location: 1405-03B, Exterior Stucco With Aggregate; Southwest Alcove East Side Wall

Lab ID-Version #: 8514999-1

| Sample Layers | Asbestos Content |
|--|---------------------|
| Gray Coating | ND |
| White Stucco | ND |
| Gray Cementitious Material | ND |
| Composite Non-Asbestos Content: | 2% Synthetic Fibers |
| | 2% Vermiculite |
| Sample Composite Homogeneity: | Poor |

Location: 1405-03C, Exterior Stucco With Aggregate; Southwest Alcove West Side Wall

Lab ID-Version‡: 8515000-1

| Sample Layers | Asbestos Content |
|---------------------------------|---------------------|
| Gray Coating | ND |
| White Stucco | ND |
| Gray Cementitious Material | ND |
| Composite Non-Asbestos Content: | 2% Synthetic Fibers |
| | 2% Vermiculite |
| Sample Composite Homogeneity: | Poor |

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 \ddagger 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: RGA Environmental, Inc. C/O: Mr. Steffen Steiner Re: R1167B67; 1405 Lakeside, 14th St. Side Door Alcoves/Oakland, CA Date of Sampling: 10-20-2017 Date of Receipt: 10-23-2017 Date of Report: 10-25-2017

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

| Location: 1405-04A, Exterior Stucco;Southwest Alcove C | Central Wall Lab ID-Version‡: 8515001-1 |
|--|---|
| Sample Layers | Asbestos Content |
| White Stucco with Tan Paint | ND |
| Gray Stucco | ND |
| Gray Cementitious Material | ND |
| Sample Composite Homogeneity: P | Poor |

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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.

 \ddagger 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: RGA Environmental, Inc. C/O: Mr. Steffen Steiner Re: R1167B67; 1405 Lakeside, 14th St. Side Door Alcoves/Oakland, CA Date of Sampling: 10-20-2017 Date of Receipt: 10-23-2017 Date of Report: 10-25-2017

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

| Location: 1405-04B, Exerior Stucco; Southwest Alcove I | East Side Wall Lab ID-Version 1: 8515002-1 |
|--|--|
| Sample Layers | Asbestos Content |
| White Stucco with Tan Paint | ND |
| Gray Stucco | ND |
| Composite Non-Asbestos Content: | 2% Glass Fibers |
| Sample Composite Homogeneity: | Moderate |

| Location: 1405-04C, Exerior Stucco; Southwest Alcove | West Side Wall Lab ID-Version‡: 8515003-1 |
|--|---|
| Sample Layers | Asbestos Content |
| Multicolored Coating | ND |
| White Stucco | ND |
| Gray Stucco | ND |
| Composite Non-Asbestos Content: | 2% Glass Fibers |
| Sample Composite Homogeneity: | Poor |

| Location: 1405-05A, Wallboard With Taping Mud;Southwest Electrical Room South | |
|---|------------------------------------|
| Wall | Lab ID-Version‡: 8515004-1 |
| Sample Layers | Asbestos Content |
| Cream Tape | ND |
| White Joint Compound | ND |
| White Drywall with Brown Paper | ND |
| Composite Non-Asbestos Content: | 15% Cellulose < 1% Glass Fibers |
| Sample Composite Homogeneity: | Poor |

Location: 1405-05B, Wallboard With Taping Mud;Southwest Electrical Room East Wall

Lab ID-Version‡: 8515005-1

| Sample Layers | Asbestos Content |
|---|------------------|
| White Joint Compound | ND |
| White Drywall with Brown Paper | ND |
| Composite Non-Asbestos Content: 10% Cellulose | |
| Sample Composite Homogeneity: Moderate | |

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Date of Sampling: 10-20-2017

Client: RGA Environmental, Inc. C/O: Mr. Steffen Steiner Re: R1167B67; 1405 Lakeside, 14th St. Side Door Alcoves/Oakland, CA

Date of Receipt: 10-23-2017 Date of Report: 10-25-2017

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

Location: 1405-06A, 4" Gray Base Cove With Yellow Adhesive; Southwest Electrical **Room South Wall**

| Sample Layers | Asbestos Content |
|-------------------------------|------------------|
| Yellow Mastic | ND |
| Sample Composite Homogeneity: | Good |

Location: 1405-06B, 4" Gray Base Cove With Yellow Adhesive; Southwest Electrical **Room East Wall**

Lab ID-Version #: 8515007-1

Lab ID-Version 1: 8515006-1

| Sample Layers | Asbestos Content |
|--|------------------|
| Gray Baseboard | ND |
| Yellow Mastic | ND |
| Sample Composite Homogeneity: Moderate | |

Location: 1405-07A, 12" Gray VFT With Black Mastic; Southwest Electrical Room Floor **80 Square Feet**

Lab ID-Version 1: 8515008-1

| Sample Layers | Asbestos Content | | | | |
|---|------------------|--|--|--|--|
| Gray Floor Tile | ND | | | | |
| Black Mastic | ND | | | | |
| Composite Non-Asbestos Content: < 1% Cellulose | | | | | |
| Sample Composite Homogeneity: Moderate | | | | | |

Location: 1405-07B, 12" Gray VFT With Black Mastic; Southwest Electrical Room Floor **80 Square Feet**

Lab ID-Version 1: 8515009-1

| Sample Layers | Asbestos Content |
|---------------------------------|------------------|
| Gray Floor Tile | ND |
| Black Mastic | ND |
| Composite Non-Asbestos Content: | < 1% Cellulose |
| Sample Composite Homogeneity: | Moderate |

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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".

| | | lerracon |
|---|--|---|
| PM - S. Steiner. Spsteiner@terracon.com knischroeter@terracon.com | 001818335 ШРМ – К. Pilgi kmpilgrim@lerracorr.com – , – – – – – – – | AMPLE DATA SREET |
| PM-M. Beneficid DPM - T. Kattchee <u>maliensfield@terracon.com</u> <u>lakattchee@terracon.com</u> PM D. Ufferfigs | DPM - W. Frieszell <u>wmfrieszelk@tetracon.com</u> DLM Ans Stop Ana Point Cau | lysis (Analyze all samples) lysis at First Positive p(Analysis (400-noint) |
| dullerlige@terracon.com | | PAGE OF 2 |
| oject Name/ Address/ Building No. 1405 L | Reside, 14th St. Side Do | on Akever, Orkland C |
| ojeet# KIIV / B 6 / Sampled By: | J. Alexander Sampling Date: | 10/20/17 |
| mple(s) sent to: MAL AERO MI | MLAB Other | · · · · · · · · · · · · · · · · · · · |
| T L Rush L 24HRS L 48HR | 2-5 days | |
| M# 1405-01 Material Description Con | hete Floor | |
| HUS-OIA Station & Material | ocation Quar | rtity: |
| 1405-0 R Curly west Algore | East Side Flear | · · · · · · · · · · · · · · · · · · · |
| - 1 - 1 - 1 - UNI MILO | WETT SIde + look | |
| ## 1405-02 Material Description: Rul | Frank Cale | |
| mple ID Sample Location & Material | deation Quan | tity: |
| 405-024 Southwest Alco | R East Side Wall | ······ |
| 1405-02B Sout-Awert AIC | ve west side wall | · · · · · · · · · · · · · · · · · · · |
| 14 14 10 C - C - D | | |
| mple ID Sample Location & Material L | a STUCEO with Aggleg | <u>al</u> e |
| 1405-03A Southwest Als | ye Fand City Noc II | ny |
| 1405-03R Southwart Alca | he furt side wall | |
| 1405-03c South wett Alc | the West Side wall | |
| # 1405-09 Material Description: | a Stucco | |
| 1405-04 Cuthwert Alc | Central Quanti | ty: |
| HOS-0413 South west Ato | the East Side Let II | · |
| 1405-040 Southwort Alco | & West Side Wall | |
| #1405-05 Material Description: Wy | board with Turner Ma | |
| ple ID Sample Location & Material L | cation Quanti | y: |
| 1709-09A Southwest, ElectryC. | 1. Koun South Wall | |
| Toz-ozb southwest thecting | Krom East Wall | |
| | ······································ | |
| | | |
| michael Bus The Alera la - | n l m | |
| ed By: Heidi Canta Signa | are: <u>yeh</u> (MM) Date/Tim | ie: <u>10/20//)</u> |
| mished By: Federa G35 Signa | uce: 4 (CAM) Date/Tim | e: 10/2 2017 |
| ed By: Signa | are: Date/Tim | e: |
| 1466 66 th Street Emervaille CA | 4608 Tel: (510) 547-7771 Roy (510) 547 1082 | |

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| SUSTOINERSTREAM | T IPM – K. Schroeter | | 001818335 | · |
| | <u>azon com</u> <u>kmschroaterj@terracon.com</u> | a kmplighmiggerup | 1001100011 | K SAMPLE DATA SHEET |
| <u>msbenefioid@x</u> | eo LIPM - T. Keltchee | PM - W. Friesze | | |
| | | Withfield all a second and a se | an.com | sis (Analyze all samples) |
| Linw D. Unarlige dufferfige@terr | BCON COTT | | Delat Count | is at First Positive |
| | | | Lo - our count | Anarysis (400-point) |
| Project Name/ | Address/ Building No. 405 | Vorda TUI | | PAGE 2 OF 2 |
| Project# R | 67867 Sampled B | The AL | 27, 214e Dug | A cyces /Oakland |
| Sample(e) cont t | | J. Zlekande | K Sampling Date: | 10/20/17 |
| TAT T | IMAL LIAERO MEM | LAB 🗍 Other | · · · | ·· |
| | sh 🖾 24HRS 🗂 48HR 🛛 | 3-5 days | | |
| HM# 1405-1 | ()6 Material Description 01% | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | <u> </u> |
| Sample ID | Sample Location & Material L | they base Co | ve with Yell | on Adherial |
| 1405-06 | A Smith and Floot | -t | Quantit | 1. 2 101 1 2 31 V 2 |
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| <u>, 10% 0*</u> | P - ONFRWEET E LECTRIC | Koin | Eart Wall | |
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| | Sample Location & Material Lo | cation/ | | / <u>/19571 c</u> |
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| nquished By: | July ABY galler Signature | | de num | Jul Jun |
| eived By: | Aleidi Santos Signature | | Date/Ime; | 10/20/1/ |
| nquished By: | edlx 935 Signature | ZOED | Date Time: | O <u>C_I_7_0_2017</u> |
| eived By: | Signature | | Date/Hime: | 10 23 17 |
| · | 1466 66t Press Press | | Date/ 1006; | |
| | 1400 00- Street Emeryville CA 946 | 98 Fel: (510) 547-77 | 71 Bay (510) 547-1002 | |

1400 00⁻⁻ Street Emeryvine CA 94608 Tel: (510) 547-7771 Fax; (510) 547-1983





ASBESTOS TEM LABORATORIES, INC.

EPA Interim Method Polarized Light Microscopy Analytical Report

Laboratory Job # 359739

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429 www.asbestostemlabs.com

With Branch Offices Located At: 1350 FREEPORT BLVD. UNIT 104, SPARKS, NV 89431 Ph. (775) 359-3377



Berkeley, CA

Aug-20-18

Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 359739</u> Polarized light microscopy analytical results for 8 bulk sample(s) with 6 sample split(s) Job Site: 1401 Lakeside Dt. - 12th Floor Job No.: R1187902

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into a standard report format and reviewed by the authorized signatory before being released to the client.

Sincerely Yours,

me

Lab Manager ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, with the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---

Note: Test samples will be stored for three months after data of receipt, after which they will be properly disposed unless client makes other arrangements with the laboratory.

| | EPA Method 6 | 00/R-93/116 or 600/M4-82-020 | Page: <u>1</u> of |
|--|---|---|---|
| Contact: Steff Steiner Address: Terracon Consultar 1466 66th Street Emeryville, CA 94 | Samples In Reg. Sampl its, Inc. Split Layer Job Site / N | dicated: 8 les Analyzed: 8 s Analyzed: 6 No. 1401 Lakeside Dt 12th Flo R1187902 | Report No. 359739 Date Submitted:Aug-20-18Date Reported:Aug-20-18por |
| SAMPLE ID ASBESTO | | OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed | DESCRIPTION FIELD LAB |
| 1401-12-1A | None Detected | 1) 1-5% Fiberglass 2) 95-99% GlassFoam, Opq | 2'x4' White Pinhole Fissure Act - 12th Floor - #1219 A - (S) |
| Lab ID # 1434-03766-001 | | 3) Aug-20-18 4) Aug-20-18 1) 1-5% Fiberglass | Ceiling Tile-Grey 2'x4' White Pinhole Fissure Act - 12th Floor - |
| 1401-12-1B | None Detected | 2) 95-99% GlassFoam, Opq | #1219 A - (N) |
| Lab ID # 1434-03766-002 1401-12-2A | None Detected | 3) Aug-20-18 4) Aug-20-18 1)1-5% Cellulose 2)95-99% Opq, Gyp | DW with Joint Comp 12th Floor - #1219A - (N) |
| Lab ID # 1434-03766-003A | | 3) Aug-20-18 4) Aug-20-18 | Drywall-White |
| 1401-12-2A | None Detected | 1)1-5% Cellulose 2)95-99% Calc, Opq | Dw with Joint Comp 12th Floor - #1219A - (N) |
| Lab ID # 1434-03766-003B | | 3) 4) Aug-20-18 | JointCom/Text-Off-White |
| 1401-12-2B | None Detected | 1) 1-5% Cellulose 2) 95-99% Opq, Gyp | DW with Joint Comp 12th Floor - #1219A - (S) |
| Lab ID # 1434-03766-004A | | 3) Aug-20-18 4) Aug-20-18 | Drywall-White |
| 1401-12-2B | None Detected | 1) 1-5% Cellulose 2) 95-99% Calc, Opq | |
| Lab ID | | 3) 4) Aug-20-18 | JointCom/Text-Off-White |
| 1401-12-3A | None Detected | 1) None Detected 2) 99-100% Opq, Calc, Bndr | 4" Black Base Cove with Glue - 12th Floor - #1219A - (N) |
| Lab ID # 1434-03766-005A | | 3) Aug-20-18 4) Aug-20-18 | Baseboard-Black |
| 1401-12-3A | None Detected | 1) None Detected 2) 99-100% Glue | 4" Black Base Cove with Glue - 12th Floor - #1219A - (N) |
| Lab ID # 1434-03766-005B | | 3) 4) Aug-20-18 | Mastic-White |
| 1401-12-3B | None Detected | None Detected 99-100% Opq, Calc, Bndr | 4" Black Base Cove with Glue - 12th Floor - #1219A - (S) |
| Lab ID # 1434-03766-006A | | 3) Aug-20-18 4) Aug-20-18 | Baseboard-Black |
| 1401-12-3B | None Detected | 1) None Detected 2) 99-100% Glue | |
| Lab ID # 1434-03766-006B | | 3) 4) Aug-20-18 | Mastic-White |

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique to Am

Analyst 1

ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com

600 Bancroft Way, Ste. A, Berkeley CA 94710 (510) 704-8930 With Offices in Reno, NV (775) 359-3377

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| | EPA Method 60 | 00/R-93/116 or 600/ | M4-82-020 | P | age: | <u>2</u> of |
|--|---|---|---|---|------------------------------------|--------------------|
| Contact: Steff Steiner Address: Terracon Consultan 1466 66th Street Emeryville, CA 94 | Samples In Reg. Sampl its, Inc. Split Layer 608 Job Site / N | dicated: 8 es Analyzed: 8 s Analyzed: 6 Io. 1401 Lakeside R1187902 | Dt 12th Flo | Report No. Date Submitted: Date Reported: or | 35973 9 Aug-20 Aug-20 | -18 -18 |
| SAMPLE ID | ASBESTOS % TYPE | OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected | | DESCRIPTION FIELD | | DN |
| 1401-12-4A | None Detected | None Detected 99-100% Glue | 1) None Detected 2) 99-100% Glue | | e - 12th Fl | oor - #1219A - N |
| Lab ID # 1434-03766-007A | | 3) Aug-20-18 | 4) Aug-20-18 | Mastic-Yellow | 104 F | #1 2 10.4 N |
| 1401-12-4A | None Detected | 1) 1-5% Cellulose 2) 95-99% Gyp, Opq | | Carpet Sq 2 x2 - Giu | e - 12th Fi | 00r - #1219A - M |
| Lab ID # 1434-03766-007B | | 3) | 4) Aug-20-18 | LevelCmpd-Off-W | hite | |
| 1401-12-4B | None Detected | 1)None Detected 2)99-100% Glue | | Carpet Sq 2'x2' - Glue (S) | e - 12th Fl | oor - #1219A - |
| Lab ID # 1434-03766-008A | | 3) Aug-20-18 | 4) Aug-20-18 | Mastic-Yellow | | |
| 1401-12-4B | None Detected | 1) ^{1-5%} Cellulose 2) ^{95-99%} Gyp, Opq | | | | |
| Lab ID # 1434-03766-008B | | 3) | 4) Aug-20-18 | LevelCmpd-Off-W | hite | |
| | | 1) 2) | | | | |
| Lab ID # | | 3) | 4) | | | |
| | | 1) 2) | | | | |
| Lab ID # | | 3) | 4) | | | |
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| Lab ID # | | 3) | 4) | | | |
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| Lab ID # | | 3) | 4) | | | |

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

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ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com **600 Bancroft Way, Ste. A, Berkeley CA 94710** (510) 704-8930 With Offices in Reno, NV (775) 359-3377



| PM – S. Steiner spsteiner@terracon.co | m kmschroeter@terracon.com | PM – K. Pilgrim kmpilgrim@terracon.com | ACM BULK SAM | IPLE DATA SHEET |
|--|---|---|---|-------------------|
|]PM – M. Bryant mvbryant@terracon.co | M – T. Kattchee takattchee@terracon.com | PM – W. Frieszell wmfrieszell@terracon.com | PLM Analysis (Analyze all sample Stop Analysis at First Positive Point Count Analysis (400-point) PAGE 1 | |
| PM- M. Benefield msbenefield@terracor | DPM D. Ufferfilge accom dufferfilge@terracon.com | PM – M. Bishop mrbishop@terracon.com | | |
| roject Name/ Addre | ess/Building No. 1401 Lakesid | le Dr 1214 5100 | R | 1007 1000 100 Lon |
| roject#R11 | 87902 Sampled By: M | Reed | Sampling Date: | 8-20-18 |
| mple(s) sent to: | MAL AERO EMI | AB Other | | |
| AT 🗌 Rush | 24HRS 48HR | 3-5 days | | |
| HM# 1401- 12-01 | Material Description 2'x 4' | WHITE ANHOLE AS | SURE ACT | |
| Sample ID | Sample Location & Material Lo | cation | Quantity: | |
| 401-12 - 1A | 12+4 FLOOR - 1219A - (5 | 5) | | |
| [1B | " () | u) | | |
| HM# 1401-12.02 | Material Description: Dw w | HTH JOINST COMP. | | |
| Sample ID | Sample Location & Material Lo | cation | Quantity: | 11111 |
| HO1-12- 24 | 12TH FLOOR - # 1219A | -(N) | | |
| 6 - 28 | U. 1) | (5) | | |
| HM# 1401-12-03 | Material Description: 4" Bu | ACIC BASE COVE | WITH GLUE | |
| Sample ID | Sample Location & Material Lo | ocation | Quantity: | |
| 401-12- 3A | 1274 FLOOR - #1219 4 | - (N) | | |
| \$ 38 | 12TH FLOOR - #1219 A | (5) | | |
| HM# 1401-12-04 | Material Description: CARA | E= SQ 2'x2' - 6 | we | |
| Sample ID | Sample Location & Material Lo | ocation | Quantity: | |
| 1401-12 - 4A | 12TH FLOOR - # 121 | 9A - N | | |
| 1401-12-43 | 4 | " -6) | | 12 V |
| HM# | Material Description: | | | |
| Sample ID | Sample Location & Material Lo | ocation | Quantity: | |
| | | | | |
| Relinquished By: | M.Reed Signa | iture: 27. PM | Date/Time: | B-20-18 |
| teceived By: | Mb Signa | iture: | Date/ Time: | - AU820 '18 1:3 |
| Celinquished By: | Signa | ture: | Date/Time: | |
| ceceivea By: | Signa | iture: | Date/Time: | |

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983





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. Install dividing well w/ new door (wall + v) crear Fix. spinklen) · Remove dove filling opening Scope of work.

- e Inthell See RA gilder in celling, one in each very ream and one in metholog

· third out both new rooms

- a Carpet to remain

- o Replace broken and as record certing that Install outlets in new wall

Page 3



ASBESTOS TEM LABORATORIES, INC.

EPA Interim Method Polarized Light Microscopy Analytical Report

Laboratory Job # 360736

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429 www.asbestostemlabs.com

With Branch Offices Located At: 1350 FREEPORT BLVD. UNIT 104, SPARKS, NV 89431 Ph. (775) 359-3377



NVLAP Lab Code: 101891-0 Berkeley, CA

Oct-05-18

Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 360736</u> Polarized light microscopy analytical results for 16 bulk sample(s) with 5 sample split(s) Job Site: 1401 Lakeside Dr, Oakland, CA Job No.: R1187B79

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into a standard report format and reviewed by the authorized signatory before being released to the client.

Sincerely Yours,

me

Lab Manager ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, with the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---

Note: Test samples will be stored for three months after data of receipt, after which they will be properly disposed unless client makes other arrangements with the laboratory.

Page: **1** of EPA Method 600/R-93/116 or 600/M4-82-020 16 Report No. Samples Indicated: 360736 Contact: Steff Steiner Reg. Samples Analyzed: 16 Date Submitted: Oct-03-18 Address: Terracon Consultants, Inc. Split Layers Analyzed: 5 Date Reported: Oct-05-18 1466 66th Street Job Site / No. 1401 Lakeside Dr, Oakland, CA Emeryville, CA 94608 R1187B79 **OTHER DATA** DESCRIPTION 1) Non-Asbestos Fibers 2) Matrix Materials SAMPLE ID FIELD ASBESTOS 3) Date/Time Collected 4) Date Analyzed % TYPE LAB Room#123 South wall 1)1-5% Cellulose 01A **None Detected** 2) 95-99% Calc, Opq Lab ID # 1434-03916-001A Drywall-White 4) Oct-05-18 3) Room#123 South wall 1)None Detected **01A None Detected** 2) 99-100% Opq, Calc Lab ID # 1434-03916-001B JointCom/Text-Off-White 4) Oct-05-18 Room#128 North wall 1)1-5% Cellulose **01B None Detected** 2) 95-99% gyp, Opq Lab ID # 1434-03916-002A Drywall-White 4) Oct-05-18 3) 1)None Detected 01B **None Detected** 2) 99-100% Opq, Calc Lab ID # 1434-03916-002B JointCom/Text-Off-White 4) Oct-05-18 3) 1)1-5% Cellulose Room#123 South wall 02A **None Detected** 2) 95-99% gyp, Opq Lab ID # 1434-03916-003A Drywall-White 4)Oct-05-18 1)None Detected 02A **None Detected** 2) 99-100% Opq, Calc Lab ID # 1434-03916-003B JointCom/Text-Off-White 4) Oct-05-18 3) Room#128 North wall 1)None Detected **02B None Detected** 2) 99-100% Glue Lab ID # 1434-03916-004 Mastic-Yellow 3) 4)Oct-05-18 Room#123 South 1)None Detected 03A **None Detected** 2) 99-100% Glue Lab ID # 1434-03916-005 Mastic-Yellow 4)Oct-05-18 3) Room#123 North 1)None Detected **03B None Detected** 2) 99-100% Glue Lab ID # 1434-03916-006 Mastic-Yellow 3) 4)Oct-05-18 1)None Detected Room#123 04A None Detected 2) 99-100% Qtz, Calc Lab ID # 1434-03916-007 CerTile-Grey 3) 4)Oct-05-18

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com **600 Bancroft Way, Ste. A, Berkeley CA 94710 (510) 704-8930** *With Offices in Reno, NV (775) 359-3377*

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Page: **2** of EPA Method 600/R-93/116 or 600/M4-82-020 16 Report No. Samples Indicated: 360736 Contact: Steff Steiner Reg. Samples Analyzed: 16 Date Submitted: Oct-03-18 Address: Terracon Consultants, Inc. Split Layers Analyzed: 5 Date Reported: Oct-05-18 1466 66th Street Job Site / No. 1401 Lakeside Dr, Oakland, CA Emeryville, CA 94608 R1187B79 **OTHER DATA** DESCRIPTION 1) Non-Asbestos Fibers 2) Matrix Materials SAMPLE ID FIELD ASBESTOS 3) Date/Time Collected % TYPE LAB 4) Date Analyzed Room#128 1)None Detected **04B None Detected** 2) 99-100% Qtz, Calc Lab ID # 1434-03916-008 CerTile-Grey 4) Oct-05-18 3) Room#228 West wall 1)1-5% Cellulose 05A **None Detected** 2) 95-99% Gyp, Opq Lab ID # 1434-03916-009A Drywall-White 4) Oct-05-18 Room#228 West wall 1)1-5% Cellulose 05A **None Detected** 2) 95-99% Calc, Opq Lab ID # 1434-03916-009B JointCom/Text-Off-White 4) Oct-05-18 3) 1)1-5% Cellulose Room#222 East wall 05B **None Detected** 2) 95-99% Gyp, Opq Lab ID # 1434-03916-010A Drywall-White 4) Oct-05-18 3) 1)1-5% Cellulose **05B None Detected** 2) 95-99% Calc, Opq Lab ID # 1434-03916-010B JointCom/Text-Off-White 3) 4)Oct-05-18 1)None Detected Room#228 West wall **06A None Detected** 2) 99-100% Glue Lab ID # 1434-03916-011 Mastic-White 4) Oct-05-18 3) Room#222B East wall 1)None Detected **06B None Detected** 2) 99-100% Glue Lab ID # 1434-03916-012 Mastic-White 3) 4)Oct-05-18 Room#228 West 1)None Detected 07A **None Detected** 2) 99-100% Glue Lab ID # 1434-03916-013 Mastic-Yellow 4)Oct-05-18 3) Room#222B East 1)None Detected 07B **None Detected** 2) 99-100% Glue Lab ID # 1434-03916-014 Mastic-Yellow 4)Oct-05-18 3) 1)5-10% Cellulose Room#228 **08A** None Detected 2) 90-95% Opq, GlassFoam Lab ID # 1434-03916-015 Ceiling Tile-Grey 3) 4)Oct-05-18

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst 1

ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com 600 Bancroft Way, Ste. A, Berkeley CA 94710 (510) 704-8930 With Offices in Reno, NV (775) 359-3377

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Page: 3 of EPA Method 600/R-93/116 or 600/M4-82-020 16 Report No. Samples Indicated: 360736 Contact: Steff Steiner Reg. Samples Analyzed: 16 Date Submitted: Oct-03-18 5 Address: Terracon Consultants, Inc. Split Layers Analyzed: Date Reported: Oct-05-18 1466 66th Street Job Site / No. 1401 Lakeside Dr, Oakland, CA Emeryville, CA 94608 R1187B79 **OTHER DATA DESCRIPTION** 1) Non-Asbestos Fibers 2) Matrix Materials SAMPLE ID **ASBESTOS** FIELD 3) Date/Time Collected 4) Date Analyzed % TYPE LAB Room#222B 1)5-10% Cellulose **08B None Detected** 2) 90-95% Opq, GlassFoam Lab ID # 1434-03916-016 Ceiling Tile-Grey 4) Oct-05-18 3) 1) 2) 3) Lab ID # 4) 1) 2) Lab ID # 3) 4) 1) 2) 3) Lab ID # 4) 1) 2) 3) Lab ID # 4) 1) 2) Lab ID # 3) 4) 1) 2) 3) 4) Lab ID # 1) 2) 3) 4) Lab ID # 1) 2) 3) 4) Lab ID # 1) 2) Lab ID # 3) 4)

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

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| | *** <u>E-MAIL REPORT TO</u> : SEE RELOW PROJECT MANAGER (PM)*** | ACM DILLY CAMPLE DATA SHEET |
|---------------------------------------|---|--------------------------------------|
| د | *** ADDITIONAL DECIDIENTS*** | ACIVI BULK SAMPLE DATA SHEET |
| 🗌 deni | se.wailen@terracon.com | TDI M Analysis (Analyze all samples) |
| PM - S. Steiner | r DPM – K. Schroeter DPM – K. Pilgrim | Stop Analysis (Analyze an samples) |
| sosteiner@terracon.c | com kmschroeter@terracon.com kmpikgrim@terracon.com | Point Count Analysis (400-point) |
| PM- M. Benefie msbenefield@terraco | eld PM – T. Kattchee PM – W. Frieszell n.com takattchee@terracon.com <u>wmfrieszell@terracon.com</u> | PAGE <u>1</u> OF <u>2</u> |
| | | |
| Project Name/ Addr | ress/Building No. 1901 Lakes de an Caklau | ICAT |
| Project# <u>K118</u> | <u>7,879</u> Sampled By: <u>Struck</u> . San | npling Date: <u>/0/3/18</u> |
| Sample(s) sent to: | MAL AERO EMLAB Other TEM | |
| TAT Rush | 24HRS 248HR 3-5 days | |
| HM# (| Material Description Dyna (with yc | |
| Sample ID | Sample Location & Material Location | Quantity: |
| ·OIA | Por #123 Easth wall | |
| NIR | Prage # 128 North world | |
| | | |
| HM# 7 | Material Description: Can a hone Austric | |
| Sample ID | Sample Location & Material Location | Quantity: |
| | 1. 4122 S. 11 11 | |
| 021 | Room# (22 South 10a 11 | |
| 028 | Koom # 120 North Wall | |
| | | |
| HM# 3 | Material Description: Carpet Nufre-yelew | Ourophile u |
| Sample ID | Sample Location & Material Location | Quanuty: |
| 03A | Room #123 South | |
| 033 | Room#128 North | |
| | | |
| HM# (/ | Material Description: Arch Invince ! unitile | |
| Sample ID | Sample Location & Material Location | Quantity: |
| AC/A | D_{1} $\#172$ | |
| DUR | $\beta + 170$ | |
| 070 | Koomfr (CD | |
| | | |
| HM# 5 | Material Description: Unfued (with 3/C | Ouentlifer |
| Sample ID | Sample Location & Material Location | Quanaty: |
| OSA | Koom# 228 west well | |
| OSB | Koocn # 222 B Partuall | |
| | | |
| | · | |
| | ALD MAL. | |
| Relinquished By: | STUCKOGERS Signature: JULY | Date/Time: <u>10/3/18</u> |
| Received By: | Signature: | Date/ Time: 13 118 441180 |
| Relinquished By: | Signature: | Date/Time: |
| Received By: | Signature: | Date/l'ime: |
| | 1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fa: | x: (510) 547-1983 |

Updated 02.23.2018

Terracon

| S | *** <u>E-MAIL REPORT TO</u> : SEE BELOW PROJECT MANAGER (PM)*** | ACM BULK SAMPLE DATA SHEET |
|---------------------------------------|--|---|
| _ | ***ADDITIONAL RECIPIENTS*** | |
| | ise.wallen@terracon.com | DPLM Analysis (Analyze all samples) |
| Spateiner@terracon.c | r DPM – K. Schroeter DPM – K. Pilgrim com kmschroeter@terracon.com kmplkgrim@terracon.com | Stop Analysis at First Positive Point Count Analysis (400-point) |
| PM- M. Benefic msbenefield@terracc | eld PM – T. Kattchee PM – W. Frieszell An.com takattchee@terracon.com wmfrieszell@terracon.com | page <u>2</u> of <u>7</u> |
| Project Name/ Add | ress/Building No. 1461 Lakesichedr. Oakle | rud CA |
| Project# $/(//Sample(s) sent to:$ | $\square MAL \square AERO \square EMLAB \square Other$ | apung Date: <u>/0/.3/78</u> |
| TAT Rush | 24HRS 48HR 3-5 days | |
| HM# 6 | Material Description Cave base Mustic | |
| Sample ID | Sample Location & Material Location | Quantity: |
| incl | Var #27B march | |
| UUH | Hand R R I | |
| <i>0(a</i> K | Room # 2220 Evot ang 11 | |
| HM# 7- | Material Description: Carper montic Mellow | |
| Sample ID | Sample Location & Material Location | Quantity: |
| A14 | Pron #728 west | |
| M10 | H17786-L | |
| 010 | Roomet 2260 East | |
| HM# 8 | Material Description: 2xc lay in celling tile | |
| Sample ID | Sample Location & Material Location | Quantity: |
| OFA | Rangen # 28 | |
| AVR | Prove # 772 P | |
| 060 | Noorn #FZZLB | · · · · · · · · · · · · · · · · · · · |
| HM# | Material Description: | |
| Sample ID | Sample Location & Material Location | Quantity: |
| | · · · · · · · · · · · · · · · · · · · | |
| 48.6# | | |
| | Material Description. | Quantity: |
| Sample ID | | guanuty. |
| | | |
| | | ······································ |
| Relinquished By: | Stapkostar Signature: | Date/Time: 10/5/10 |
| Received By: | Signature: | Date/ Time: 013 11 4:11 PM |
| Relinquished Rv: | Signature: | Date/Time: |
| Received Rv. | | Date/Time: |
| ALLEITER DY. | waffilioons we | |

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983 Updoted 02.23.2018 TE RECARDET AREA

= REMOVE WALL

1050#580518







































 \bigcirc 04430 - LAKESIDE PLAZA BUILDING - 1401 LAKESIDE DRIVE FIRST FLOOR PLAN

510, 208.9594 IN ADVANCE TO BOOK COORDINATE WITH JASHIN ALVAREZ

ROOMS





04430 - LAKESIDE PLAZA BUILDING - 1401 LAKESIDE DRIVE SECOND FLOOR PLAN

EMSL Analytical, Inc. Customer ID: 32VEOK25 464 McCormick Street San Leandro, CA 94577 MSI Customer PO: 180062021 Tel/Fax: (510) 895-3675 / (510) 895-3680 Project ID: http://www.EMSL.com / sanleandrolab@emsl.com Attention: CHRIS BURNS Phone: (510) 346-8860 Vista Environmental Consulting, Inc. Fax: Received Date: 10/24/2018 8:00 AM 2984 Teagarden St San Leandro, CA 94577 Analysis Date: 10/25/2018 Collected Date: 10/23/2018 Project: 180062021 - 13-5037 - COA-GSA - 1401 LAKESIDE, OAKLAND, CA ROOM #730 - 7TH FLOOR

EMSL Order: 091823311

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

| | | | Asbestos | | |
|--|---------------------------------------|-------------------------------------|--------------------------------|---|---------------|
| Sample | Description | Appearance | % Fibrous | % Non-Fibrous | % Туре |
| 401-A-01-Wallboard | WB/JC WHITE/ WHITE WALLS | White Non-Fibrous | 2% Cellulose | 80% Gypsum 18% Non-fibrous (Other) | None Detected |
| 401-A-01-Joint Compound | WB/JC WHITE/ WHITE WALLS | White Non-Fibrous Homogeneous | | 80% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 91823311-0001A | | | | | |
| 401-A-01-Texture | WB/JC WHITE/ WHITE WALLS | White Non-Fibrous Homogeneous | | 80% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 401-A-02-Drywall 91823311-0002 | WB/JC WHITE/ WHITE WALLS | Gray Non-Fibrous Homogeneous | 2% Cellulose | 80% Gypsum 18% Non-fibrous (Other) | None Detected |
| 401-A-02-Joint Compound 91823311-0002A | WB/JC WHITE/ WHITE WALLS | White Non-Fibrous Homogeneous | | 80% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 401-A-02-Texture | WB/JC WHITE/ WHITE WALLS | White Non-Fibrous | | 80% Ca Carbonate 20% Non-fibrous (Other) | None Detected |
| 91823311-0002B | | Homogeneous | | | |
| 1401-B-01-Cove Base | BC/ MASTIC - 4" BLACK/ OFF WHITE | Black Non-Fibrous Homogeneous | | 20% Ca Carbonate 80% Matrix | None Detected |
| 1401-B-01-Mastic | BC/ MASTIC - 4" BLACK/ OFF WHITE | White Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 1401-B-01-Compound | BC/ MASTIC - 4" BLACK/ OFF WHITE | White Non-Fibrous Homogeneous | | 70% Ca Carbonate 30% Non-fibrous (Other) | None Detected |
| 1401-B-02-Cove Base | BC/ MASTIC - 4" BLACK/ OFF WHITE | Black Non-Fibrous Homogeneous | | 20% Ca Carbonate 80% Matrix | None Detected |
| 1401-B-02-Mastic | BC/ MASTIC - 4" BLACK/ OFF WHITE | White Non-Fibrous Homogeneous | | 70% Matrix 30% Non-fibrous (Other) | None Detected |
| 401 C 01 | | Grav | 45% Callulana | 10% Portito | None Detected |
| 91823311-0005 | PINHOLE FISSURE - DROP CEILING | Fibrous Homogeneous | 45% Min. Wool | | |
| 401-C-02 | ACT - 2X4 WHITE, PINHOLE FISSURE - | Gray Fibrous | 45% Cellulose 45% Min. Wool | 10% Perlite | None Detected |
| 91823311-0006 | DROP CEILING | Homogeneous | | | |



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577 Tel/Fax: (510) 895-3675 / (510) 895-3680 http://www.EMSL.com / sanleandrolab@emsl.com
 EMSL Order:
 091823311

 Customer ID:
 32VEOK25

 Customer PO:
 180062021

 Project ID:

Analyst(s)

Jared Martin (13)

autile

Matthew Batongbacal or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method"), but augmented with procedures outlined in the 1993 ("final") version of the method. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. All samples received in acceptable condition unless otherwise noted. This 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. EMSL recommends gravimetric reduction for all non-friable organically bound materials prior to analysis. Estimation of uncertainty is available on request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA NVLAP Lab Code 101048-3, WA C884

Initial report from: 10/25/2018 16:35:59

| Q | 0 | 9 | 1 | 8 | 2 | 3 | 3 | 1 | 1 |
|----|---|---|---|---|-------|---|---|---|---|
| 14 | - | | | ~ | ferm. | ~ | 5 | | |



2984 TEAGARDEN STREET SAN LEANDRO, CA 94577

ASBESTOS BULK SAMPLE LOG

OFFICE 510.346.8860 FAX 888.653.8889

CLIENT: COA-GSA DATE: LOCATION:_1401 Lakeside, Oakland, CA. PROJECT NUMBER: 180062021 RCOM#730 CAC OR SST NO: 13-5037 SAMPLED BY: (7th FLOOR) Номо QUANTITY BUILDING NUMBER DESCRIPTION MATERIAL LOCATION AREA ID (SF/LF/EA) WHITE/WHITE, WB/JC 01 140 WALLS 02 4" BLACK BC B 61 MASTIC WHITE B 02 0 X4 WHITE (DROD CEILING) ACT 01 0 PINHOLE FISSURE 62 ()2 SAMPLE TURNAROUND TIME: SAME DAY 24HR (48 HR) 3 DAY ANALYTICAL METHOD: PLM 400 PT COLINIT CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM DATA SENT TO: QUESTIONS CALL: 510.658.8860 SPECIAL INSTRUCTIONS: CHAIN OF CUSTODY: 10/23/18 14:00 RANSFER SIGNATURE 2. TRANSFER SIGNATURE PRINTED NAME DATE/TIME 3. TRANSFER SIGNATURE PRINTED NAME DATE/TIME PAGE 1 OF 1 NT - 10/29/18- 8:00Am

1



FLOOR PLAN OF LOCATION TO BE TESTED/ABATED

C:\Users\molli.rothman\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Outlook\A8ZYH0VC\HazMat Request- Rm 730.docx Page 3



ASBESTOS TEM LABORATORIES, INC.

EPA Interim Method Polarized Light Microscopy Analytical Report

Laboratory Job # 363482

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429 www.asbestostemlabs.com

With Branch Offices Located At: 1350 FREEPORT BLVD. UNIT 104, SPARKS, NV 89431 Ph. (775) 359-3377



NVLAP Lab Code: 101891-0 Berkeley, CA

Apr-17-19

Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

 RE: <u>LABORATORY JOB # 363482</u> Polarized light microscopy analytical results for 9 bulk sample(s) with 9 sample split(s) Job Site: 1401 Lakeside - Room #629 Art. Comm. Job No.: R1197409

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into a standard report format and reviewed by the authorized signatory before being released to the client.

Sincerely Yours,

me

Lab Manager ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, with the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---

Note: Test samples will be stored for three months after data of receipt, after which they will be properly disposed unless client makes other arrangements with the laboratory.

| | EPA Method 60 |)0/R-93/116 or 600/1 | Page: <u>1</u> 01 | | |
|---|--|---|---------------------|--|--|
| Contact: Steff Steiner Address: Terracon Consultan 1466 66th Street | Samples In Reg. Sampl its, Inc. Split Layers | dicated: 9 es Analyzed: 9 s Analyzed: 9 | Doom #620 | Report No. 363482 Date Submitted:Apr-12-19Date Reported:Apr-17-19Art. CommApr-17-19 | |
| Emeryville, CA 94 | -608 JOD Sile / N | $\frac{1401 \text{ Lakeside}}{\text{P}1107400}$ | - KOOIII #029 | Art. Comm. | |
| SAMPLE ID | ASBESTOS % TYPE | OTHER DATA 1) Non-Asbestos Fibers 2) Matrix Materials 3) Date/Time Collected 4) Date Analyzed | | DESCRIPTION FIELD LAB | |
| 1A | None Detected | None Detected 1)1-5% Cellulose 2)95-99% Gyp, Opq | | Drywall With Joint Comp South Wall #629 | |
| Lab ID # 1434-04261-001A | | 3) Apr-12-19 | 4) Apr-17-19 | Drywall-White | |
| 1A | None Detected | 1) 1-5% Cellulose 2) 95-99% Opq, Calc | | Drywall With Joint Comp South Wall #629 | |
| Lab ID # 1434-04261-001B | | 3) | 4) Apr-17-19 | JointCom/Text-Off-White | |
| 1B | None Detected | 1) 1-5% Cellulose 2) 95-99% Gyp, Opq | | Drywall With Joint Comp North Wall #629 | |
| Lab ID # 1434-04261-002A | | 3) Apr-12-19 | 4) Apr-17-19 | Drywall-White | |
| 1B | None Detected | 1) ^{1-5%} Cellulose 2) ^{95-99%} Opq, Calc | | | |
| Lab ID # 1434-04261-002B | | 3) | 4) Apr-17-19 | JointCom/Text-Off-White | |
| 1C | None Detected | 1) 1-5% Cellulose 2) 95-99% Gyp, Opq | | Drywall With Joint Comp East Wall #629 | |
| Lab ID # 1434-04261-003A | | 3) Apr-12-19 | 4) Apr-17-19 | Drywall-White | |
| 1C | None Detected | 1) 1-5% Cellulose 2) 95-99% Opq, Calc | | | |
| Lab ID # 1434-04261-003B | | 3) | 4) Apr-17-19 | JointCom/Text-Off-White | |
| 2A | None Detected | 1) None Detected 2) 99-100% Calc, Bnd | dr | 4" Black Base Cove Glue (Yellow) - South Wal - #629 | |
| Lab ID # 1434-04261-004A | | 3) Apr-12-19 | 4) Apr-17-19 | Baseboard-Black | |
| 2A | None Detected | 1) None Detected 2) 99-100% Glue | | 4" Black Base Cove Glue (Yellow) - South Wal - #629 | |
| Lab ID # 1434-04261-004B | | 3) | 4) Apr-17-19 | Mastic-Yellow | |
| 2B | None Detected | 1)None Detected2)99-100% Calc, Broken | dr | 4" Black Base Cove Glue (Yellow) - North Wal - #629 | |
| Lab ID # 1434-04261-005A | | 3) Apr-12-19 | 4) Apr-17-19 | Baseboard-Black | |
| 2B | None Detected | 1)None Detected 2)99-100% Glue | | | |
| Lab ID # 1434-04261-005B | | 3) | 4) Apr-17-19 | Mastic-Yellow | |

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

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ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com **600 Bancroft Way, Ste. A, Berkeley CA 94710** (510) 704-8930 With Offices in Reno, NV (775) 359-3377

| | EPA Method 60 | 00/R-93/116 or 600 | /M4-82-020 | Page: $\underline{2}$ of |
|--|---|---|---|---|
| Contact: Steff Steiner Address: Terracon Consultan 1466 66th Street Emeryville, CA 94 | Samples In Reg. Sampl ts, Inc. Split Layers 608 Job Site / N | dicated: es Analyzed: s Analyzed: lo. 1401 Lakesid R1197409 | 9 9 9 e - Room #629 | Report No. 363482 Date Submitted:Apr-12-19Date Reported:Apr-17-19Art. Comm.Image: Command State St |
| SAMPLE ID | ASBESTOS % TYPE | OTHER 1) Non-Asbe 2) Matrix Ma 3) Date/Time 4) Date Anal | DATA stos Fibers terials Collected yzed | DESCRIPTION FIELD LAB |
| 2C | None Detected | 1) None Detected 2) 99-100% Calc, B | ndr | 4" Black Base Cove Glue (Yellow) - East Wall #629 |
| Lab ID # 1434-04261-006A | | 3) Apr-12-19 | 4) Apr-17-19 | Baseboard-Black |
| 2C | None Detected | 1)None Detected 2)99-100% Glue | , - | |
| Lab ID # 1434-04261-006B | | 3) | 4) Apr-17-19 | Mastic-Yellow |
| 3A | None Detected | 1) None Detected 2) 99-100% Calc, B | ndr, Opq | Carpet Glue on Wht . VFT w/ Yellow Mastic - Room # 629 |
| Lab ID # 1434-04261-007A | | 3) Apr-12-19 | 4) Apr-17-19 | Floor Tile-White |
| 3A | None Detected | 1)None Detected 2)99-100% Glue | | Carpet Glue on Wht . VFT w/ Yellow Mastic - Room # 629 |
| Lab ID # 1434-04261-007B | | 3) | 4) Apr-17-19 | Mastic-Yellow |
| 3B | None Detected | None Detected 99-100% Calc, B | ndr, Opq | Carpet Glue on Wht . VFT w/ Yellow Mastic - Room # 629 B |
| Lab ID # 1434-04261-008A | | 3) Apr-12-19 | 4) Apr-17-19 | Floor Tile-White |
| 3B | None Detected | 1)None Detected 2)99-100% Glue | | |
| Lab ID # 1434-04261-008B | | 3) | 4) Apr-17-19 | Mastic-Yellow |
| 3C | None Detected | 1)None Detected2)99-100% Calc, B | ndr, Opq | Carpet Glue on Wht . VFT w/ Yellow Mastic - Room # 629 A |
| Lab ID # 1434-04261-009A | | 3) Apr-12-19 | 4) Apr-17-19 | Floor Tile-White |
| 3C | None Detected | 1) None Detected 2) 99-100% Glue | | |
| Lab ID # 1434-04261-009B | | 3) | 4) Apr-17-19 | Mastic-Yellow |
| | | 1) 2) | | |
| Lab ID # | | 3) | 4) | |
| | | 1) 2) | | |
| Lah ID # | | 3) | 4) | |

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst 👘

Jo Ann theatre

ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com **600 Bancroft Way, Ste. A, Berkeley CA 94710** (510) 704-8930 With Offices in Reno, NV (775) 359-3377

JGD YOL Ilerracon

| speteiner@terracor | EPORT TO: SEE BELOW PROJECT MANAGER (PM)*** er □PM - K. Schroeter □PM - K. Pilgrim .com kmschroeter@terracon.com kmpilgrim@terracon.com | ACM BULK SAMPLE DATA SHEET |
|--|---|---|
| PM- M. Benefi msbenefield@terrace | eld PM – T. Kattchee PM – W. Frieszell n.com takattchee@terracon.com wmfrieszell@terracon.com | PLM Analysis (Analyze all samples) Stop Analysis at First Positive Point Count Analysis (400-point) |
| PM- D. Bloc David block@terracc | n.com Engineering Assistant Engineering Assistant | |
| Project Name/ Add Project# <u>Rll</u> Sample(s) sent to: TAT Rush HM# Ol Sample ID LA LB LC HM# O2 Sample ID | ress/Building No. [40] LAKESIDE - Room 27409 Sampled By: M. REED Sampled By: MAL ASB TEM EMLAB X Other ASB 24HRS Image: Sampled By: M. REED Sampled By: ASB MAL ASB TEM EMLAB X Other ASB 24HRS Image: Sampled By: Material Description DRYWALL WITH JOINT CLASS Sample Location & Material Location South WALL # 629 South WALL # 629 NORTH WALL # 629 Material Description: 4 629 Sample Location Material Description: 4 629 Sample Location South WALL South WALL | apling Date: <u>4-12-19</u> BESTOS TEM Quantity: Quantity: Quantity: |
| 2A 2B 2C | South WALL - + 629 NORTH WALL - (EAST WALL -) | |
| HM# 03 Sample ID 3A 3B 3C | Material Description: CARPET GLUE ONI WHY. UF Sample Location & Material Location Room - # 629 - # 629 B - # 629 A | Quantity: |
| HM# Sample ID | Material Description: Sample Location & Material Location | Quantity: |
| HM# Sample ID | Material Description: Sample Location & Material Location | Quantity: |
| Relinquished By: Received By: Relinquished By: Received By: | M. REED Signature: M. R. MTD-Signature: MTD- Signature: Signature: | Date/Time: 4-12-19 Date/Time: 24-12-19 Date/Time: 219 5:17PM Date/Time: 219 5:17PM |

1466 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983



1401 LAKESIDE



ASBESTOS TEM LABORATORIES, INC.

EPA Interim Method Polarized Light Microscopy Analytical Report

Laboratory Job # <u>363645</u>

600 Bancroft Way, Ste. A Berkeley, CA 94710 (510) 704-8930 FAX (510) 704-8429 www.asbestostemlabs.com

With Branch Offices Located At: 1350 FREEPORT BLVD. UNIT 104, SPARKS, NV 89431 Ph. (775) 359-3377


NVLAP Lab Code: 101891-0 Berkeley, CA

Apr-25-19

Steff Steiner Terracon Consultants, Inc. 1466 66th Street Emeryville, CA 94608

RE: <u>LABORATORY JOB # 363645</u> Polarized light microscopy analytical results for 1 bulk sample(s) with 1 sample split(s) Job Site: Alameda County - 1401 Lakeside Dr. Rm 623 Job No.: R1197460

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with EPA Method 600/R-93/116 or 600/M4-82-020 for the determination of asbestos in bulk building materials by polarized light microscopy (PLM). Please note that while PLM analysis is commonly performed on non-friable and fine grained materials such as floor tiles and dust, the EPA method recognizes that PLM is subject to limitations. In these situations, accurate results may only be obtainable through the use of more sophisticated and accurate techniques such as transmission electron microscopy (TEM) or X-ray diffraction (XRD).

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Each sample is opened in a class 100 HEPA negative air hood. A representative sampling of the material is selected and placed onto a glass microscope slide containing a drop of refractive index oil. The glass slide is placed under a polarizing light microscope where standard mineralogical techniques are used to analyze and quantify the various materials present, including asbestos. The data is then compiled into a standard report format and reviewed by the authorized signatory before being released to the client.

Sincerely Yours,

Me pour

Lab Manager ASBESTOS TEM LABORATORIES, INC.

--- These results relate only to the samples tested and must not be reproduced, except in full, with the approval of the laboratory. This report must not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. ---

Note: Test samples will be stored for three months after data of receipt, after which they will be properly disposed unless client makes other arrangements with the laboratory.

POLARIZED LIGHT MICROSCOPY ANALYTICAL REPORT

Page: 1 of EPA Method 600/R-93/116 or 600/M4-82-020 1 Report No. Samples Indicated: 363645 Contact: Steff Steiner Reg. Samples Analyzed: 1 Date Submitted: Apr-24-19 Address: Terracon Consultants, Inc. Split Layers Analyzed: 1 Date Reported: Apr-25-19 1466 66th Street Job Site / No. Alameda County - 1401 Lakeside Dr. Rm 623 Emeryville, CA 94608 R1197460 **OTHERDATA** DESCRIPTION 1) Non-Asbestos Fibers 2) Matrix Materials SAMPLE ID **ASBESTOS** FIELD 3) Date/Time Collected % TYPE LAB 4) Date Analyzed Drywall with Joint Compound - Rm 623 -North 1)1-5% Cellulose 1401-01A **None Detected** Wall @ East Side 2) 95-99% Gyp, Opq Lab ID # 1434-04281-001A Drywall-White **3)** Apr-24-19 4) Apr-25-19 Drywall with Joint Compound - Rm 623 -North 1)1-5% Cellulose 1401-01A **None Detected** Wall @ East Side 2) 95-99% Calc, Opq Lab ID # 1434-04281-001B JointCom/Text-Off-White 3) 4) Apr-25-19 1) 2) Lab ID # 3) 4) 1) 2) Lab ID # 3) 4) 1) 2) 3) Lab ID # 4) 1) 2) Lab ID # 3) 4) 1) 2) 3) 4) Lab ID # 1) 2) 3) 4) Lab ID # 1) 2) 3) 4) Lab ID # 1) 2) Lab ID # 3) 4)

Detection Limit of Method is Estimated to be 1% Asbestos Using a Visual Area Estimation Technique

Analyst 👘

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ASBESTOS TEM LABORATORIES, INC. www.asbestostemlabs.com 600 Bancroft Way, Ste. A, Berkeley CA 94710 (510) 704-8930 With Offices in Reno, NV (775) 359-3377

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Terracon

| ***E-MAIL R PM – S. Steine spsteiner@terracon PM- M. Benefie msbenefield@terraco PM- D. Block David.block@terraco Project Name/ Addm Project# 2/10 Sample(s) sent to: TAT Rush | EPORT TO: SEE BELOW PROJECT MANAGER (PM)*** ar PM - K. Schroeter |
|--|--|
| HM# ()) | Material Description Drywall w Joint Compound |
| Sample ID | Sample Location & Material Location Quantity: |
| 1901 - 01A | Rm 673 - North Wall C East Side |
| HM# | Material Description: |
| Sample ID | Sample Location & Material Location Quantity: |
| HM# Sample ID | Material Description: Sample Location & Material Location Quantity: |
| HM# Sample ID | Material Description: Sample Location & Material Location Quantity: |
| | |
| HM# | Material Description: |
| Sample ID | Sample Location & Material Location Quantity: |
| Relinquished By: Received By: Relinquished By: Poppingd By: | Signature: Signat |

1465 66th Street Emeryville CA 94608 Tel: (510) 547-7771 Fax: (510) 547-1983



Page 1 of 2

MICRO ANALYTICAL LABORATORIES, INC. BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)

1033 Matthew Reed County of Alameda - GSA Engineering & Environmental Management Department 1401 Lakeside Drive, Suite 800 Oakland, CA 94612

PROJECT: LAKESIDE PLAZA 1401 LAKESIDE DR. BLDG. NO. 04430 OAKLAND, CA

Micro Log In 291880

Total Samples 6 Date Sampled 05/25/2022 Date Received 05/25/2022 Date Analyzed 05/25/2022

| | SAMPLE IDENTIFICATION | ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS If absent, ND Is Reported (No Asbestos Detected) | DOMINANT OTHER MATERIALS |
|-----------------------------------|--|---|---|
| Client #: | 04430-220525-1A | | |
| Micro #: 2 TILE GRO | 291880-01 Analyst: SS BK DUT - TAN - 1ST FLOOR - LOBBY FLOOR | ND | NFM: GLASS FRAGMENTS, BINDER. |
| Client #: | 04430-220525-1B | | |
| Micro #: 2 TILE GRO | 291880-02 Analyst: SS DUT - TAN - 1ST FLOOR - LOBBY FLOOR | ND | NFM: GLASS FRAGMENTS, BINDER. |
| Client #: | 04430-220525-2A | | |
| Micro #: 2 STONE T 1ST FLOO | 291880-03 Analyst: SS ILE - VARIONS - OFF-WHITE OR - LOBBY FLOOR | ND | NFM: GLASS FRAGMENTS, BINDER. |
| Client #: | 04430-220525-2B | | |
| Micro #: 2 STONE T 1ST FLOO | 291880-04 Analyst: SS ILE - VARIONS - OFF-WHITE OR - LOBBY FLOOR | ND | NFM: GLASS FRAGMENTS, BINDER. |
| Client #: | 04430-220525-3A | | 2 % CELLULOSE |
| Micro #: 2 SETTING 1ST FLOO | 91880-05 Analyst: SS COMPOUND - GRAY DR - LOBBY FLOOR | ND | NFM: ROCK FRAGMENTS, CARBONATE, BINDER |

5/25/2022 Technical Supervisor: Date Reported Baojia Ke, Ph.D.

NVLAP Lab Code 101872-0 (TESTING). Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101. Basic techniques follow EPA – Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Builk Insultation Samples" (originally published 1982), and EPA-600/R93-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is quantified by calibrated visual estimation. Detection limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Weight % cannot be determined by PLM. Asbestos with diameter below ~ 1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation is 1%. The Cal-OSHA definition of asbestos-containing construction materials other than asbestos, nowever, reliable determination of asbestos precent at this level cannot be done by PLM estimation; P

Page 2 of 2

MICRO ANALYTICAL LABORATORIES, INC. BULK ASBESTOS ANALYSIS - POLARIZED LIGHT MICROSCOPY (PLM)

1033 Matthew Reed County of Alameda - GSA Engineering & Environmental Management Department 1401 Lakeside Drive, Suite 800 Oakland, CA 94612

PROJECT: LAKESIDE PLAZA 1401 LAKESIDE DR. BLDG. NO. 04430 OAKLAND, CA

Micro Log In 291880 **Total Samples** 6 Date Sampled 05/25/2022 Date Received 05/25/2022

Date Analyzed 05/25/2022

| | SAMPLE IDENTI | FICATION | ASBESTOS QUANTITY (AREA %) / TYPES / LAYERS | DOMINANT |
|----------------------------------|---|-------------|--|---|
| | | | If absent, ND Is Reported (No Asbestos Detected) | o memoriale materiale |
| Client #: | 04430-220 | 525-3B | | 2 % CELLULOSE |
| Micro #: 2 SETTING 1ST FLO | 91880-06 COMPOUND - GRAY DR - LOBBY FLOOR | Analyst: SS | ND | NFM: ROCK FRAGMENTS, CARBONATE, BINDER |

5/25/2022 **Technical Supervisor:** Baojia Ke, Ph.D. Date Reported

NVLAP Lab Code 101872-0 (TESTING). Analyses use Polarized Light Microscopy (PLM), Micro Analytical SOP PLM-101. Basic techniques follow EPA – Appendix E to Subpart E of 40 CFR Part 763; Interim Method for the Determination of Asbestos in Bulk Insulation Samples" (originally published 1982), and EPA-600/R93-116 (1993). The 1993 method covers all types of bulk materials and is based on the 1982 Method, with improved analytical techniques for layered samples as required for NESHAP compliance. Asbestos is guantified by calibrated visual estimation. Detection on limit is material dependent. Detection of asbestos traces (much less than 1%) may not be reliable or reproducible by PLM. Veight, "C cannot be determined by PLM. Asbestos with diameter below ~ 1 µm may not be detected by PLM. Absence of asbestos in dust, debris, and some compact materials, including floor tiles, cannot be conclusively established by PLM, and should be confirmed by Ternsmission Electron Microscopy (TEM).Interferences may prevent detection of small asbestos fibers, and hinder determination of some optical properties. Tremotite-asbestos may be indistinguishable by PLM form some similar, non-regulated amphiboles (e.g. the "Libby Amphiboles" richterite and winchife), and should be confirmed by TEM. The lower quantitation limit (reporting limit) of PLM estimation, is 1%. The Cal-OSHA definition of asbestos-containing construction material is of 1% asbestos; however, reliable determination of asbestos materials (fibrous and non-fibrous) are listed. This analysis shall not be conclusive fibres, synthetic fibres, elongate fragments of calcium sulfate, taic, wellastic, animat hair, and other miscellaneous elongate particles. Sample neterogeneity is indicated by listing more than asbestos, or or the absence of any non-asbestos materials. Common interferences include, but are not limited to: cellulose, fibrous glass, other man-made vitrous fibers, synthetic fibres, elongate fragments of calcium sulfate, taic, wellastinct, animat hair, and other miscella

BULK SAMPLE TRACKING FORM

291880

COUNTY OF ALAMEDA, GSA-CPED 1401 LAKESIDE DRIVE, STE. 800 OAKLAND, CA 94612

Contact Analysis Type TAT

| Math | how ! | Reed | |
|------|----------|------|----------|
| PLM | ` | | |
| hr | 12hr | 24hr | 48hr>>48 |

| FACILITY NAME | Lakeside Plaza | BLDG. NO. 04430 |
|------------------|----------------------------|-----------------|
| FACILITY ADDRESS | 1401 Lakeside Dr., Oakland | |
| SAMPLE TAKEN BY | Matthew Reed | DATE 5/25/22 |

| SAMPLE NUMBER (Bldg # yymmdd - #)* | 04430-220525-1A | MATERIAL TYPE. | |
|---------------------------------------|-----------------|---------------------------|--|
| MATERIAL DESC. | SIZE | COLOR | |
| SAMPLE LOCATION | FLOOR 15+ Floor | ROOM NO. Lobby AREA Floor | |

| | SAMPLE NUMBER | | -1B | MATERIAL T | YPE. | Tile Grout |
|---|-----------------|--------|-----------|------------|-------|------------|
| - | MATERIAL DESC. | SIZE | - | COLOR | ta | • |
| | SAMPLE LOCATION | FLOOR~ | 1st Floor | ROOM NO | Lobby | AREA Floor |

| | SAMPLE NUMBER | ła. | - 2A | MATERIAL 1 | YPE. | Stone Tike |
|---|-----------------|-------|-----------|------------|-------|------------|
| 2 | MATERIAL DESC. | SIZE | - Varions | COLOR | | off. White |
| | SAMPLE LOCATION | FLOOR | 1st Floor | ROOM NO. | Lobby | AREA Floor |

RELINQUISHED BY DATE/TIME 5/25/22 10:12 A **RECEIVED BY** DATE/TIME 5 2 27. 1014

Distribution:

1)

2)

3)

Lab GSA-CPED QIC 26006 Retain One Copy for your files

Lab must submit this form and test results to GSA-CPED, 1401 Lakeside Dr., Suite 800 Oakland, CA 94612, attn: Matthew Reed, <u>Before</u> invoice will be paid.

* - Sample numbers are generated by Building Number followed by the date, year, month, day, and then sample number. For example, a sample collected from Building 1901 on April 30, 1999, would be numbered 1901-990430-01. Please adhere to this numbering method. For samples other than asbestos, insert a sample type indicator after the date and before the sample number. For example 1901-990430-Pb-01, would be a lead sample.

PG. 1 of 2

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291880

P62 0F2

BULK SAMPLE TRACKING FORM

| COUNTY OF ALAMEDA, 1401 LAKESIDE DRIVE, S OAKLAND, CA 94612 | GSA-CPED TE. 800 | Contact Analysis Type TAT | Matth PLM hr | 12hr 24hr 48hr >48hr |
|---|--|--|---|------------------------------------|
| FACILITY NAME: | Lakeside Plaza | | BL | DG. NO: 04430 |
| FACILITY ADDRESS | 1401 Lakeside Dr. | Oakland | | |
| SAMPLE TAKEN BY | Matthew Reed | | ·DA | TE 5/25/22 |
| | | | | |
| (Bldg # - yymmdd - #)* | 430-220525-2B | MATERIAL TY | ΖΡΈ. | Stone Tile |
| MATERIAL DESC. | ZE Varion | S COLOR | off-whi | Ĩte |
| SAMPLE LOCATION FL | OOR 1st Floor | ROOM NO. | Lobby | AREA Floor |
| | | | | |
| SAMPLE NUMBER | '' -3A | MATERIAL TY | PE. | Setting Compound |
| MATERIAL DESC. | 3B | COLOR | Gray | |
| SAMPLE LOCATION FL | OOR, 15+ Floor | ROOM NO | Lobby | AREA Floor |
| | | | | |
| SAMPLE NUMBER | -38 | MATERIAL TY | PE | Setting Compound |
| MATERIAL DESC. ISIZ | E - | COLOR | Gray | |
| SAMPLE LOCATION FLA | OOR JSt Floor | ROOM NO., | abby 4 | REA Floor |
| | | | | |
| RELINQUISHED BY | MATZ | 7 D | ATE/TIME | 5/25/22 10:12A |
| RECEIVED BY | PT | Ď | ATE/TIME | 5/25/22 10:44 |
| Distribution: 1) Lab 2) GSA-CP 3) Retain O | ED QIC 26006 ne Copy for your files | Lab must submi GSA-CPED, 14 Oakland, CA 94 | it this form and test 401 Lakeside Dr., S 4612, attn: Matthey | results to buite 800 v Reed, |

* - Sample numbers are generated by Building Number followed by the date, year, month, day, and then sample number. For example, a sample collected from Building 1901 on April 30, 1999, would be numbered 1901-990430-01. Please adhere to this numbering method. For samples other than asbestos, insert a sample type indicator after the date and before the sample number. For example 1901-990430-Pb-01, would be a lead sample.

Before invoice will be paid.

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EXHIBIT C

COUNTY OF ALAMEDA MINIMUM INSURANCE REQUIREMENTS

Without limiting any other obligation or liability under this Agreement, the Contractor, at its sole cost and expense, shall secure and keep in force during the entire term of the Agreement or longer, as may be specified below, the following minimum insurance coverage, limits and endorsements. The County reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances. If the contractor maintains broader coverage and/or higher limits than the minimum shown below, the County requires and shall be entitled to the broader coverage and/or the higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the County.

| | TYPE OF INSURANCE COVERAGES | MINIMUM LIMITS |
|---|---|---|
| Α | Commercial General Liability Premises Liability; Products and Completed Operations; Contractual Liability; Personal Injury and Advertising Liability | \$5,000,000 per occurrence (CSL) Bodily Injury and Property Damage |
| В | Commercial or Business Automobile Liability All owned vehicles, hired or leased vehicles, non-owned, borrowed and permissive uses. | \$5,000,000 per occurrence (CSL) Any Auto Bodily Injury and Property Damage |
| С | Workers' Compensation (WC) and Employers Liability (EL) Required for all contractors with employees | WC: Statutory Limits EL: \$1,000,000 per accident for bodily injury or disease |
| D | Builder's Risk (Course of Construction) insurance utilizing an "All Risk" (Special Perils) coverage form or Installation Floater as applicable | Limits equal to the completed value of the project and no coinsurance penalty provisions. |

Endorsements and Conditions:

Ε

- ADDITIONAL INSURED: County of Alameda, its Board of Supervisors, the individual members thereof, and all County officers, agents, employees, volunteers, and representatives are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance (at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10, CG 20 26, CG 20 33, or CG 20 38; and CG 20 37 if a later edition is used). Auto policy shall contain or be endorsed to contain additional insured coverage for the County.
- 2. DURATION OF COVERAGE: All required insurance shall be maintained during the entire term of the Agreement. In addition, Insurance policies and coverage(s) written on a claims-made basis shall be maintained and evidence of insurance must be provided during the entire term of the Agreement and for at least five (5) years following the later of termination of the Agreement and acceptance of all work provided under the Agreement, with the retroactive date of said insurance (as may be applicable) concurrent with the commencement of activities pursuant to this Agreement. If coverage is cancelled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the Contractor must purchase "extended reporting" coverage for a minimum of five (5) years after completion of work.
- 3. REDUCTION OR LIMIT OF OBLIGATION: All insurance policies, including excess and umbrella insurance policies, shall be primary and non-contributory coverage at least as broad as ISO CG 20 10 04 13 as respects the County, its officers, officials, employees, or volunteers. Any insurance or self-insurance maintained by the County, its officers, officials, employees, or volunteers shall be excess of the Contractor' insurance and shall not contribute with it. Pursuant to the provisions of this Agreement insurance effected or procured by the Contractor shall not reduce or limit Contractor's contractual obligation to indemnify and defend the Indemnified Parties.
- 4. INSURER FINANCIAL RATING: Insurance shall be maintained through an insurer with an A.M. Best Rating of no less than A: VII or equivalent, shall be admitted to the State of California unless otherwise acceptable by Risk Management, and with deductible amounts acceptable to the County. Acceptance of Contractor's insurance by County shall not relieve or decrease the liability of Contractor hereunder. Self-insured retentions must be declared and approved. Any deductible or self-insured retention amount or other similar obligation under the policies shall be the sole responsibility of the Contractor. The policy language shall provide or be endorsed to provide, that the self –insured retention may be satisfied by either the named insured or County.
- SUBCONTRACTORS: Contractor shall include all subcontractors as an insured (covered party) under its policies or shall verify that the subcontractor, under its own policies and endorsements, has complied with the insurance requirements in this Agreement, including this Exhibit.
- 6. **JOINT VENTURES:** If Contractor is an association, partnership or other joint business venture, required insurance shall be provided by one of the following methods:
 - Separate insurance policies issued for each individual entity, with each entity included as a "Named Insured" (covered party), or at minimum named as an "Additional Insured" on the other's policies. Coverage shall be at least as broad as in the ISO Forms named above.
- Joint insurance program with the association, partnership or other joint business venture included as a "Named Insured".
 CANCELLATION OF INSURANCE: Each insurance policy required above shall provide that coverage shall not be cancelled, except with notice of cancellation provided to the County in accordance with policy terms and conditions.
- 8. **CERTIFICATE OF INSURANCE**: Before commencing operations under this Agreement, Contractor shall provide Certificate(s) of insurance and applicable insurance endorsements as set forth in the provisions of this Agreement and this Exhibit C, in forms satisfactory to County, evidencing that all required insurance coverage is in effect. However, failure to obtain the required documents prior to the work beginning shall not waive the Contactor's obligation to provide them. The County reserves the right to require the Contractor to provide complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

Certificate C-7 Builder's Risk

Page 1 of 1

(Rev. 3/31/20)

Exhibit D – Optical Turnstile Specification

PART I – GENERAL

1.01 CSI MASTER FORMAT SECTIONS

- A. Section 11 14 00 Pedestrian Control Equipment (Gates/Turnstiles)
- B. Section 28 10 00 Electronics Access Control and Intrusion Detection
- C. Section 28 16 00 Intrusion Detection

1.02 REFERENCES

A. The Power supply unit (PSU) shall be UL certified

1.03 QUALITY ASSURANCE

A. Installer shall have a minimum of three (3) years experience installing optical turnstiles or similar equipment or shall supply a manufacturer-trained technician for Site Certification & Training following installation of the Optical Turnstiles.

1.04 SUBMITTALS

- A. Submit manufacturer's product literature including datasheet and drawing pack for specific model, including options.
- B. Provide high resolution photo.
- C. Provide Installation & Maintenance manual.
- D. Provide site specific drawings detailing product placement, arrangement, and wiring.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver equipment and materials to specified location in manufacturer's packaging undamaged, complete with installation instructions.
- B. Store off ground, under cover, protected from weather and construction activities. For periods of extended storage the equipment will be kept in an environment that regulates temperature and humidity. Use forklift, pallet jack, or specified number of personnel for moving equipment, observing manufacturer's safety instructions at all times.

1.06 PROJECT/SITE CONDITIONS

A. Install Optical Turnstile on level, finished floor, and in strict accordance with manufacturer's installation chapter in the provided Installation & Maintenance manual.

1.07 WARRANTY:

A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of optical turnstile system that fails in materials or workmanship within specified warranty period. Failures include, but are not limited to, the following: faulty circuit boards (PCB), infrared beams and power supply modules. Warranty Period: 1 year.

PART II - PRODUCTS

2.01 MANUFACTURER

- A. Product must be able to be serviced, in warranty, by a company based in Alameda County.
- B. Product must have no more than a 90 calendar day lead time, order to delivery.
- C. Replacement parts to be available within 1 week, including shipping

Lakeside Building Security Improvements

2.02 PRODUCT

- A. Optical Turnstile, with waist high barrier
- B. Alvarado SU5000 Optical Turnstile

2.03 CONSTRUCTION

- A. Exterior:
 - 1. End Panels: stainless steel or polyurethane.
 - 2. Side Panels: stainless steel or polyurethane with polycarbonate filter windows for the infrared beams.
 - 3. Encasement: stainless steel or polyurethane
- B. Decorative Tops:
 - 1. Stainless steel or polyurethane, with AMAG reader mounting locations.
- C. Turnstile Status Display
 - 1. Located on the Right Hand Side of each lane viewed from the entrance/exit
 - 2. The Indicator is provided by RGB LEDs
- F. Enclosure:
 - 1. Dimensions- Two (2) ADA accessable lane, side-by-side, total width no more than 96"
 - 2. Pedestal weight approx. 103lbs (47Kg) maximum.
 - 3. Unit enclosure shall provide an Ingress Protection rating of IP40.
- G. Movable Panels- etched with County Seal. County to provide graphic.

2.04 EQUIPMENT

- A. General: Three adjacent pedestals utilizing pulsed infrared beams to create an invisible electronic field between pedestals, monitoring the passage of individuals entering and leaving a facility, discriminating between people and nuisances (such as common briefcases, umbrellas, and rolling carts), to deter unauthorized individuals from passing through the lane. Lane widths to be 36" (914mm) may be accommodated subject to the application. All calibrations, feature set selections and diagnostics are built into the unit managed on board by the relevant processor cards. Must not require a Windows based PC to operate.
- B. Types of units: The system shall consist of a Transmit Pedestal (TX) and a Receive Pedestal (RX) to provide a single lane, and Interlane Pedestals (INT) to form additional lanes between the RX and TX pedestals.
- C. Capabilities:
 - 1. Detect and deter unauthorized persons from entering into the protected area.
 - 2. Detect unauthorized persons more than 1/4 inch (5 mm) at waist height, behind an authorized person, that is "tailgating" or "piggybacking."
 - 3. Detect direction of movement, that is, entry and exit.
 - 4. Verify entry into the protected area following authorization.
 - 5. Provide alarm outputs on detection of a violation by means of:
 - a. Local sounders and indicators
 - 6. Operate in bi-directional, single direction, no entry or free access modes.
 - 7. Minimize false alarms through the use of infrared beams connected to intelligent detection algorithms.
 - 8. Process a high number of people without security guard intervention, unless access is rejected by the system or a system anomaly occurs.
 - 9. Ensure a fast throughput, up to one person per second, subject to the access control system.
 - 10. Buffering multiple inputs from an access control system to maximize throughput.
 - 11. Easy to use.
 - 12. Allow free movement for wheelchair users with ADA width lanes.
 - 13. Allow safe emergency egress through a fire alarm input to open the glass panels.

Lakeside Building Security Improvements

- 14. Entry and exit with an authorized card, biometric, or other credential.
- 15. Entry and exit that is unauthorized causing an alarm.
- 16. Authorized card being read by the system but no entry or exit taking place using an optional alarm configuration.
- 17. Card presented for entry but exit occurring causing an alarm.
- 18. Barrier Breakaway function- pressure on panels can force an emergency exit, with sound and visual alarms.
- D. Optical System
 - 1. Intelligently monitored infrared beam matrix: minimum 20 beam paths per lane.
 - a. Superfluous user behavior tolerated by the software without generating an alarm condition due to:
 - i. Partial passage through the beams and moving back out again.
 - ii. Hesitation in the beam field for less than a pre-selected number of seconds.
 - iii. Presenting a card for authorization while within the beam-field, but before completing passage through it.
 - 2. Access request transaction speed: Time delay of no greater than 100ms in signaling passage through the beams and readying the turnstile for the next user except when a greater delay is caused by the attached access control system.
 - a. The optical system must be capable of throughput of up to 1 person per second.
- E. Inputs:
 - 1. Entry Visitor Request: Normally Open momentary closing switch contacts
- F. Outputs:
 - 1. Voltage-free relay contacts rated 24Vdc @ 500mA for the following functions for alarm indicators, and to provide turnstile and entry and exit door emulation.
 - 2. Output to Access control System:
 - a. Access monitoring (used as confirmation of access after authorization)
 - i. Entry: Normally closed (opening for 1s)
 - ii. Exit: Normally closed. (opening for 1s)
 - b. Alarm 1: Normally closed.(closing for a minimum of 1s)
 - c. Alarm 2: Normally open (closing for 1s)
 - 3. Two-Stage Audio/Visual Alarm System
 - a. First stage notifies user and guard that someone has entered the lane without authorization.
 - i. Allows user to back up and attempt authorization, before going into a full alarm.
 - ii. Guard becomes aware that a lane violation may occur.
 - b. Second stage notifies user and guard that someone has passed through the lane without authorization.
 - i. Notifies the user that they have passed through the lane without authorization.
 - ii. Guard becomes aware that a lane violation has occurred and to take appropriate action.
 - 4. Audible Alarms: Provide for each lane triggered in an alarm condition.
 - a. Local alarm sounders.
 - b. Relay Contact: utilized to trigger external alarm systems.
 - c. Secondary sounder can be activated in response to an alarm event.
 - 5. Status Display: Provide for each lane a visual indication of the status of the lane.
 - a. Standby
 - b. Please Proceed
 - c. Lane Closed

Alameda County General Services Agency

Lakeside Building Security Improvements

PROJECT #22027 MASTER CONTRACT ID #902363

- d. Alarm.
- G. Power Requirements:
 - 1. Pedestal: Low voltage 24Vdc supply current 0.5A per lane.
 - a. Hazardous voltage must not be present at pedestal to ensure user safety.
 - 2. Power Supply Unit:
 - a. PSU to be remotely installed.
 - b. PSU input voltage 100Vac to 240Vac at 60/50Hz, connection by 5A fused spur.

2.05 FACTORY TESTING

A. Optical Turnstile shall be fully assembled and staged as a system at the factory to accommodate soak testing for a period of 48 hours at a minimum to ensure proper operation and electrical connectivity. System shall be inspected for mechanical, electrical and aesthetic condition prior to packaging and shipment.

2.06 SECURITY EQUIPMENT

- A. Card Readers: System compatible with AMAG control technologies for owner-provided card readers of suitable dimensions to be mounted onto pedestals. Must support integration of multiple card readers at each mounting location by manufacturer.
 - 1. Card Reader Mounting at pedestal ends:
 - a. Under, or surface-mounted
 - b. Option at pedestal ends behind acrylic window or surface-mounted.

2.07 ENVIRONMENTAL

- A. Product use: Provide:
 - 1. Energy consumption per lane
 - 2. Maintenance Interval minimum.

2.08 SUSTAINABILITY

- A. The product is recyclable at end of life. Provide documentation of the materials to be distributed to appropriate recycling facilities resulting in a very low residual waste of non-recyclable material.
 - 1. Stainless Steel (sheet material 1mm to 1.5mm thickness)
 - 2. Mild Steel (sheet material 1.2 to 3mm thickness)
 - 3. Plastics
 - 4. Printed circuit boards
 - 5. Special components e.g. power supply modules
- B. The product shall be supplied on reusable plastic pallets with recyclable carton packaging comprising of the following materials.
 - 1. Corrugated fiber board
 - 2. Foam
 - 3. Polyethylene

PART III - EXECUTION

3.01 SITE EXAMINATION

- A. Inspection: Installer / Integrator shall examine the installation and advise the contractor of any site conditions unacceptable for proper installation of product.
 - 1. Finished floor substrate must be dead level within the footprint of the turnstile.
 - 2. Main supply service for power supply and low voltage power out & control wiring must be installed.
- B. Installation: Turnstiles shall be installed in accordance with manufacturer's Installation & Maintenance manual.

Alameda County General Services Agency

Lakeside Building Security Improvements

PROJECT #22027 MASTER CONTRACT ID #902363

- C. Setup & Adjustment: Installer / Integrator shall perform initial equipment electronic adjustments to ensure proper performance after installation.
- D. Instruction: Installer / Integrator with a minimum of 3 years experience installing optical turnstiles shall furnish operator training for end user, or provide for Site Certification & Training services during installation.
- E. Cleaning: Clean metal, acrylic and glass surfaces carefully after installation to remove excess caulk, dirt, and labels.

END OF SECTION