# ADDENDUM # 1

# CONTRA COSTA COMMUNITY COLLEGE DISTRICT

**Project: ENGINEERING TECHNOLOGY BUILDING RENOVATION PROJECT DESIGN-BUILD SERVICES RFQ**
**Campus/Location: Diablo Valley College, Pleasant Hill, CA**

**Date: 6/21/2023**

You are hereby notified of the following changes, clarifications and/or modifications to the original Request for Qualifications (RFQ), and/or previous Addenda. This Addendum forms a part of the Request for Qualifications package and modifies the original RFQ documents dated 6/5/2023**.** This Addendum shall supersede the original RFQ and previous Addenda wherein it contradicts the same and shall take precedence over anything to the contrary therein. All other conditions remain unchanged.

Acknowledge receipt of this Addendum in your SOQ cover letter. Failure to acknowledge may subject proposers to disqualification.

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## A. Deletions, Additions, Changes, Revisions, Questions

1. Question:
   RFQ Section VI – Project Experience and References, item 4 – lists what the district sees as comparable projects. Exhibit A-2 specifically states the following: List the three (3) most recently completed and most comparable California K-12 or California Community College construction projects (within the last 10 years), each with a project value over $30M. Can the completed experience include University work?

   Response:
   University work will not count as a comparable project. Per Education Code Section 81703(d)(2)(H), when a community college district determines a design-build entity's "experience", the community college district shall give credit only to design-build experience and to California school design and construction experience. This is to demonstrate that the Design-Build Entity has experience with both design-build and with projects under the jurisdiction of DSA. University work may be submitted in Exhibit A-1 and A-1.1 if it was a design-build project.

2. Question:
   Would you consider lowering the project value threshold to $25M? If not for all projects, perhaps just one of them?

   Response:
   The District will accept projects at a $25M threshold. The District is most interested in reviewing projects of comparable scope to the Engineering Technology Renovation Project.

3. Question:
   Would you consider allowing one or two of the CCD/K-12 projects to be from outside CA?

   Response:
   CCD/K-12 projects located outside of California will not count as a comparable project. Per Education Code Section 81703(d)(2)(H), when a community college district determines a design-build entity's "experience", the community college district shall give credit only to design-build experience and to California school design and construction experience. Please note that Design-Build projects can be located outside of California, just not CCD/K-12 projects as required per Education Code.

4. Question:
   Can we submit one or two projects that an employee completed prior to joining our firm as one of our submitted projects? This would be a project completed by one of our key project personnel.

   Response:
   Please review the following sections of the RFQ: 1) Section VI.4, the College/District is looking for projects completed by the General Contractor and Architect of Record. 2) Section VII, the College/District is looking for project experience from the Design-Builder's Key Personnel.

5. Question:
   Appendix B, I, C on page 6 (Financial Capacity) – requires 2 years of audited financials. Is CCCCD willing to accept 2 years of reviewed financials prepared by Moss Adams LLP in lieu of audited?

   Response:
   A reviewed financial statement is acceptable for fiscal year 2022, but an audited final statement is required for fiscal year 2021.

6. Question:
   Would you consider 50%-75% complete projects rather than just “recently completed” for D/B and K-12 or CC project references?

   Response:
   Only completed projects will be considered. The intent of reviewing completed projects is to be able to evaluate how the DBE performed over the lifecycle of the entire project and to ensure each completed project concluded with a successful outcome.

7. Question:
   Would you consider Lease-Leaseback delivery method projects in addition to design-build projects for the project references?

   Response:
   Per Education Code Section 81703(d)(2)(H), when a community college district determines a design-build entity’s “experience”, the community college district shall give credit only to design-build experience and to California school design and construction experience. Based on the requirements of Education Code, Lease-Leaseback delivery method projects may be submitted for California School Project References on Exhibit A-2 and A-2.1, but not in lieu of design build projects requested in Exhibit A-1 and A-1.1.

8. Question:
   Would you consider lowering the threshold for design-build projects to $20M if the DBE/GC can provide proof of ability to bond the total project amount?

   Response:
   See Question # 2.

9. Question:
   Page 4, III 2b(1) states this: (1) Technical design and construction expertise – Written narratives to demonstrate experience and capability with design and construction of like-projects, considering only design-build experience and California school design and construction experience.

   Question: Does the statement "Considering only Design Build Experience" mean that only design-build experience will be considered when qualifying teams? Or, is the District looking for like-experience, design build projects, AND California School Design and construction experience?

   Response:
   In accordance with Education Code Section 81703(d)(2)(H), both design-build experience and California school design and construction experience will be considered when qualifying teams.

10. Question:
    As it relates to the projects submitted in response to Exhibits A-1, A-1.1 and A-2, A-2.1, is the project value of over $30M a preference or a requirement if projects of more relevant scope fall under the preferred dollar value?

    Response:
    See Question # 2 for the required updated project value threshold.

11. Question:
    For the projects submitted by the Architect in response to Exhibits A-1, A-1.1 and A-2, A-2.1, is DSA approval of the design phase with a project under construction sufficient to qualify a project as complete?

    Response:
    No. The intent of reviewing completed projects is to be able to evaluate how the Architect performed over the entire lifecycle of the project, not just during the design and DSA phases of the project.

12. Question:
    RFQ Exhibit A-1 and A-2 and Data Tables indicates listing the three (3) most recently completed projects. We have a number of projects that will be substantially complete in October and November of this year. Please confirm that completed may include projects that will be substantially complete in 2023.

    Response:
    See Question # 6.

13. Question:
    Can you please list the consultants who are precluded from teaming on the DB project?

    Response:
    - Thornton Tomasetti
    - MicroEstimating, Inc.
    - SmithGroup
    - Rutherford + Chekene
    - Sherwood Design Engineers
    - CSDA Design Group
    - Teecom
    - Directional Logic

14. Question:
    Exhibit A-2.1 Data Table – GC & Architect Matrix, the last column calls out “Progressive Design-Build (open book GMP)”, can LLBs also be added (included) as a GMP example?

    Response:
    Exhibit A-2.1 Data Table has been updated to include an additional column for the General Contractor and Architect of Record to indicate the delivery method for each project.

15. Question:
    In regard to the contract pricing method, please advise if the district will be utilizing a progressive design-build structure or if they intend to use a stipulated lump sum structure.

    Response:
    The District will be utilizing a progressive design-build structure, where in collaboration with the District, the project will be designed to an established construction budget and competitively bid to subcontractor trades in an open book, transparent, and collaborative manner. Based on receipt of the subcontractor trade bids, the Design-Build Entity will develop a guaranteed maximum price “GMP” for the project that will be reviewed and approved by 4CD’s Governing Board.

16. Question:
    Reference Prequalification Template Appendix B, Section I Business Information, Item C Financial Capacity. Item 1 requests an AUDITED financial statement for the past 2 years. Would REVIEWED financial statements be acceptable in lieu of AUDITED financial statements.

    Response:
    See Question # 5

17. Question:
    Reference Prequalification Template Appendix B, Section VII Relevant Experience of Key Personnel, Item 3 "Key personnel must possess at least seven (10) years of experience…" Please advise if the requirement is seven or ten years of experience.

    Response:
    Section VII.3 Relevant Experience of Key Personnel, should read "ten (10) years of experience.

    CLARIFICATION: UNKNOWN OR UNFORSEEN CONDITIONS:
    The intent of selecting the progressive design build methodology for this project is for the Design-Build Entity to work collaboratively with the District in order to perform any additional investigations required during the design phase, which may not have been completed by the Project Criteria Architect or the District prior to the RFP phase. In addition, it is to go through a due diligence effort to investigate unknown and/or unforeseen conditions prior to bidding the project to the subcontractor trades and developing the GMP. The goal of the progressive design-build model is to minimize unknown or unforeseen conditions during construction. That being said, if a condition on the project were to arise during construction, which is classified per the terms of the agreement to be an unknown or unforeseen condition, the District would be responsible for compensating the Design-Build Entity for the identified unknown or unforeseen condition from District controlled contingency.

# ADDENDUM # 1

CLARIFICATION: LEVEL OF DESIGN REQUIRED IN THE RFP PHASE:
Because this project is being delivered using a progressive design build methodology, design work during the RFP phase will be limited as the overall RFP will be evaluated based on several categories as outlined in the RFQ and in compliance with Education Code 81703. The intent of the design component during the RFP phase is to learn how the DBE interacts with each other, with the District, and to evaluate the DBE's capability to deliver a successful project. The District would also like to obtain the DBE's ideas to build upon the work completed by the Project Criteria Document Architect. It is anticipated that this may include, but is not limited to: to 1) providing a floor plan and/or axonometric drawing; in a very schematic nature, showing proposed innovative solutions/efficiencies to the planned layouts/adjacencies of the building and programming as documented in the Project Criteria Documents, 2) Providing one to two renderings of interior and/or exterior spaces which demonstrate the Design team's capabilities of communicating to the District and end user groups. Fly by videos, additional renderings, digital 3D (virtual reality), physical models, other graphics, photos, etc. are not expected. The RFP may also request a short narrative summarizing these ideas, solutions, innovations, and efficiencies that are being proposed by each DBE.

CLARIFICATION: PROJECT SCOPE AND BUDGET:
The $41.8M established design and construction budget is the budget that was set by the District for this project. The District is currently working with the Project Criteria Architect to develop Project Criteria Documents with the intent to align the project scope and the project budget. The intent is for the project budget and scope of work to be in alignment when the RFP is issued to the prequalified/shortlisted DBEs. The District intends to engage the prequalified/shortlisted DBEs during the RFP phase to validate that the scope of work in the Project Criteria Documents can be accomplished for the established design and construction budget. The District has established these steps to ensure that the budget and scope of work are in alignment prior to entering into an agreement with the selected DBE. Once the selected DBE is on-board the intent is to continue designing the project based on the scope of work outlined in the Project Criteria Documents for the established design and construction budget and then competitively bid the project to subcontractor trades in an open book, transparent, and collaborative manner. Based on receipt of the subcontractor trade bids, the DBE will develop a guaranteed maximum price "GMP" for the project that will be reviewed and approved by 4CD's Governing Board.

CLARIFICATION: HAZMAT, DEMO AND FURNITURE, FIXTURES AND EQUIPMENT:
Hazmat and demolition are currently included in the established design and construction budget. The District is carrying a separate budget outside of the $41.8M for furniture, fixtures, and equipment. The current hazmat report is being issued as Appendix C for reference as part of this Addendum.

**B. If you have any questions regarding this Addendum, please contact:**

Ben M. Cayabyab, Contracts Manager
Contra Costa Community College District
500 Court St., Martinez, CA 94553
Email: bcayabyab@4cd.edu

All other terms and conditions of RFQ/P are to remain the same.

**END OF ADDENDUM # 1**

ADDENDUM # 1

**Exhibit A-2.1 Data Table - General Contractor**

**List the three most recent, most comparable, and completed California K-12 or California Community College construction projects within the last 10 years**

| | Project Name | Year Completed | California K-12 or California CCD | Engineering Technology Facility for a California CCD (Yes or No) | Complex Renovation and Seismic Upgrade for a California CCD (Yes or No) | Occupied Campus Site (Yes or No) | Higher Educational Facility Size (+/- 40,000 GSF) (List GSF) | Project Value Over $30M (List Value) | DSA (Yes or No) | Sustainability (What Level) | Project Stabilization Agreement (Yes or No) | Traditional Design-Build (Stipulated or LSUM) (Yes or No) | Progressive Design-Build (Open Book GMP) (Yes or No) | Other Delivery/Contracting Method (List Type) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | |

**Exhibit A-2.1 Data Table - Architect of Record**

**List the three most recent, most comparable, and completed California K-12 or California Community College construction projects within the last 10 years**

| | Project Name | Year Completed | California K-12 or California CCD | Engineering Technology Facility for a California CCD (Yes or No) | Complex Renovation and Seismic Upgrade for a California CCD (Yes or No) | Occupied Campus Site (Yes or No) | Higher Educational Facility Size (+/- 40,000 GSF) (List GSF) | Project Value Over $30M (List Value) | DSA (Yes or No) | Sustainability (What Level) | Project Stabilization Agreement (Yes or No) | Traditional Design-Build (Stipulated or LSUM) (Yes or No) | Progressive Design-Build (Open Book GMP) (Yes or No) | Other Delivery/Contracting Method (List Type) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | |
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Appendix C

# Pre-renovation Hazardous Materials Survey

Engineering Technology (ET) Building
Diablo Valley College
321 Golf Club Road
Pleasant Hill, California

March 27, 2023 | Report Number: R1227901

Terracon

Nationwide
Terracon.com

- Facilities
- Environmental
- Geotechnical
- Materials

1220 Concord Avenue, Suite 450
Concord, CA 94520
P (510) 547-7771
**Terracon.com**

March 27, 2023

Contra Costa Community College District
500 Court Street
Martinez, CA 94553

Attn: Mr. Ron Hoyle
T: 925-324-7626
E: rhoyle@kitchell.com

RE: Pre-renovation Hazardous Materials Survey
Engineering Technology (ET) Building
Diablo Valley College
321 Golf Club Road
Pleasant Hill, California
Terracon Project No: R1227901

Dear Mr. Hoyle:

Terracon Consultants, Inc. (Terracon) is pleased to submit the attached report for the referenced site to Contra Costa Community College District (CCCCD). The purpose of this report is to present the findings of the pre-renovation hazardous materials survey performed January 11 – 12, 2023. This survey was conducted in general accordance with Terracon's proposal PR1227901, dated December 21, 2022. We understand this survey was requested to identify and quantify asbestos-containing materials (ACM), lead-containing paints and materials, polychlorinated biphenyl (PCBs) materials (ballasts and building envelope sealants), and other hazardous materials likely to be impacted during the planned renovation of the ET Building.

Terracon collected one hundred thirty-six (136) samples from forty-three (43) homogeneous areas of suspect ACMs. Asbestos content was confirmed in eight (8) of the materials identified, sampled, and analyzed. Eighteen (18) painted surfaces and one (1) other building material suspected to contain lead were sampled and analyzed. Lead was detected in twelve (12) of the surfaces or materials sampled. PCBs were detected in one (1) of the five (5) bulk samples collected from multiple building sealants. Other hazardous building materials present include mercury containing fluorescent light tubes, high intensity discharge (HID) bulbs, suspect PCB lighting ballasts, regulated refrigerants, and life safety equipment with backup batteries. Please refer to the attached report for details.

Terracon appreciates the opportunity to provide this service to CCCCD. If you have any questions regarding this report, please contact our office at your convenience.

Sincerely,
Terracon Consultants, Inc.

Steffen Steiner, CAC, CDPH Lead
Office Manager

Denise Wallen, CSST
Project Assistant

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PRE-RENOVATION HAZARDOUS MATERIALS SURVEY
Engineering Technology (ET) Building
Diablo Valley College
321 Golf Club Road
Pleasant Hill, California

Terracon Project March 27, 2023

# 1.0 INTRODUCTION

Terracon Consultants, Inc. (Terracon) conducted a pre-renovation hazardous materials survey of the ET Building located on the Diablo Valley College (DVC) campus at 321 Golf Club Road in Pleasant Hill, California (Site). The survey also included the structures on the east and south sides of the ET Building. The survey was conducted January 11 – 12, 2023 in general accordance with Terracon's proposal PR1227901, dated December 21, 2022, and the asbestos sampling protocols established in Environmental Protection Agency (EPA) regulation 40 Code of Federal Regulations (CFR) Part 763 Subpart E 763.86, (Asbestos Hazard Emergency Response Act, AHERA). Sample collection of suspect asbestos-containing materials (ACMs), lead containing paints (LCPs) and building materials, and polychlorinated biphenyl (PCBs) materials was completed on the interior, exterior, and roof of the ET Building and the concrete courtyard and walkways. Other hazardous building materials were noted if observed.

## 1.1 Project Objective

The objective of this survey was to identify the presence or absence of suspect ACMs, lead-containing paints and building materials, PCBs (ballasts and building envelope sealants), universal waste (fluorescent light tubes, mercury containing switches, batteries), and regulated refrigerants associated with the site structures that are likely to be impacted during the planned renovation work.

EPA regulation 40 CFR 61, Subpart M, the National Emission Standards for Hazardous Air Pollutants (NESHAP) prohibits the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP requires that regulated ACM be identified, classified, and quantified prior to planned disturbances, renovations, or demolition activities.

## 1.2 Reliance

This report is for the exclusive use of Contra Costa Community College District (CCCCD) for the renovation of the structure located at 321 Golf Club Road in Pleasant Hill, California. Reliance by any other party on this report is prohibited without written authorization of Terracon and CCCCD. Reliance on this report by CCCCD and all authorized parties will be subject to the terms, conditions, and limitations stated in the proposal, this report, and the project contract.

# 2.0 FIELD ACTIVITIES

## 2.1 Asbestos, Lead, PCBs, and Other Hazardous Building Materials

The survey was conducted by Michael Reed, a Cal/OSHA Certified Site Surveillance Technician (CSST) and CDPH Lead Sampling Technician. Copies of pertinent training certifications are included in Appendix F. The asbestos portion of the survey was conducted in general accordance with the sample collection protocols established in EPA 40 CFR Part 763 Subpart E 763.86, AHERA. A summary of survey activities is provided below.

## 2.2 Visual Assessment - Asbestos

Survey activities were initiated with visual observation of the survey areas of the subject structures to identify homogeneous areas of suspect ACM. A homogeneous area (HA) consists of a building material that appears similar throughout in terms of color, size and texture with consideration given to the date of application. Assessment was conducted in all accessible areas of the ET building including the interiors, exteriors, roofs, and surrounding hardscape.

## 2.3 Physical Assessment - Asbestos

A physical assessment of each HA of suspect ACM was conducted to assess the current friability and condition of the materials. A friable material is defined by the EPA as a material which can be crumbled, pulverized, or reduced to powder by hand pressure when dry. Friability was assessed by physically touching suspect materials.

Based on results of the visual observation, bulk samples of suspect ACM were collected in general accordance with EPA AHERA sampling protocols. Samples of suspect materials were collected from representative locations in each homogeneous area. Bulk samples were collected using wet methods as applicable to reduce the potential for fiber release. Samples were placed in sealable containers and labeled with unique sample numbers using an indelible marker.

The selection of sample locations and frequency of sampling were based on Terracon's observations and the assumption that like materials in the same area are homogeneous in content.

Terracon collected one hundred thirty-six (136) samples from forty-three (43) homogeneous areas of suspect ACM. Laboratory analysis reported that eight (8) of the materials sampled contain asbestos. A summary of the materials reported as containing asbestos is included in Table I below and a summary of all suspect ACM samples collected during the survey is included as Appendix A.

## 2.4 Sample Analysis - Asbestos

Asbestos bulk samples were submitted under chain of custody to Eurofins EPK Built Environment Testing, LLC (Eurofins) in Tustin, California for analysis by polarized light microscopy (PLM) with dispersion staining techniques per EPA methodology 600/R-93/116. The percentage of asbestos, where applicable, was determined by microscopic visual estimation.

One (1) of the positive materials reported by PLM analysis was additionally analyzed by point count methodology. Point counting is a process of more precisely quantifying the asbestos content in bulk samples that contain small amounts of asbestos. Eurofins is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) Accreditation No. 200757-0. The laboratory reports for the asbestos bulk samples are included as Appendix B.

## 2.5 Lead Containing Paint and Bulk Materials

Terracon collected paint chip samples to determine the lead content in parts per million (ppm) of the predominant painted interior and exterior surfaces throughout the survey areas of the site structures. In addition, suspect lead containing ceramic tile was sampled to determine potential lead content. Suspect lead paint and bulk material samples were collected in sealable containers and labeled with unique sample numbers using an indelible marker.

## 2.6 Visual Assessment – Lead Containing Paint and Bulk Materials

Inspection activities began with visual observations of painted surfaces to identify unique combinations of paint. A unique combination of paint consists of paint that is applied to a building material and has similar color, substrate, and component. Assessment was conducted throughout the visually accessible survey areas of the site. Ceramic tile was observed in the restrooms of the structure.

## 2.7 Physical Assessment – Lead Containing Paint and Bulk Materials

A physical assessment of each unique combination of paint was conducted to assess the condition of the paint. Lead paint chip and bulk material samples were collected to comply with Cal-OSHA regulations (Title 8 CCR 1532.1 – Lead Exposure in Construction) for the proposed renovation activities. Paint and bulk materials were sampled to identify potential worker exposure and potential disposal restrictions. Painted surfaces ranged from intact to poor condition at the time of the survey.

Terracon sampled nineteen (19) painted surfaces and bulk materials during the survey. Of the paints and materials sampled, twelve (12) were found to contain lead concentrations in exceedance of the laboratory detection limit. A summary of suspect paint and bulk samples collected during the survey is summarized in Table II.

## 2.8 Sample Analysis - Lead Containing Paint and Bulk Materials

Paint chip and bulk material samples were submitted under chain of custody to Eurofins in Tustin, California. Paint chip and material samples were analyzed by Flame Atomic Absorption, EPA method 7000B. Eurofins is accredited by the American Industry Hygiene Association's (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP) (Lab Code 178697) to perform Flame Atomic Absorption analysis. The laboratory reports for the lead samples are included as Appendix C.

### 2.9 PCBs - Interior / Exterior Sealants

Bulk sealant samples were collected using a razor knife and were placed into individual containers. Each sample was provided a discreet sample number, which was recorded on a chain of custody form. The samples were transported under chain of custody procedures to McCampbell Analytical, Inc. in Pittsburg, California. All samples were analyzed for PCB content in accordance with EPA Method SW8082. The laboratory reports for PCB samples are included as Appendix D.

Terracon collected five (5) bulk samples of suspect PCB containing materials throughout the structures. One (1) sample collected was reported with a PCB concentration exceeding the laboratory reporting limit. A summary of the PCB results is included in Table III.

### 2.10 Visual Assessment - Other Hazardous Building Materials

The interior and exterior of the structures and the surrounding hardscape were visually surveyed for the presence of mercury containing products such as fluorescent light tubes, switches, high intensity discharge (HID) bulbs, and thermometers. Lighting fixtures were screened for the potential presence of PCB containing ballasts. Exit signs were evaluated for the presence of self-illuminating, tritium gas tubes (radioactive) and life safety equipment with backup battery supplies. Materials were visually assessed and noted if observed. No testing was performed.

## 3.0 REGULATORY OVERVIEW

### 3.1 Asbestos

The Asbestos NESHAP program in California is enforced by federal, state, and county Asbestos NESHAP Coordinators. For projects occurring in Pleasant Hill, California, the Bay Area Air Quality Management District (BAAQMD) governs renovation and demolition projects has been delegated authority from the EPA to enforce the Asbestos NESHAP within its respective jurisdictional boundaries, excluding tribal lands.

The asbestos NESHAP (40 CFR Part 61, Subpart M) regulates asbestos fiber emissions and asbestos waste disposal practices. The asbestos NESHAP regulation also requires the identification and classification of existing ACM according to friability prior to demolition or renovation activity. Friable ACM is a material containing more than 1% asbestos that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure. All friable ACM is considered regulated asbestos-containing material (RACM). The NESHAP regulation is implemented locally by the BAAQMD under Regulations 11, Rule 2.

The asbestos NESHAP regulation classifies ACM as either RACM, Category I non-friable ACM or Category II non-friable ACM. RACM includes all friable ACM, along with Category I and Category II non-friable ACM that has become friable, will be or has been subjected to sanding, grinding, cutting, or abrading, or ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder during renovation or demolition activity. Category I non-friable ACM are exclusively asbestos-containing packings, gaskets, resilient floor coverings, and asphalt roofing products that contain more than 1% asbestos. Category II non-friable ACM are all other non-friable materials other than Category I non-friable ACM that contain more than 1% asbestos.

Friable ACM, along with Category I and Category II non-friable ACM, which is in poor condition and has become friable or which will be subjected to drilling, sanding, grinding, cutting, abrading and which could be crushed or pulverized during anticipated renovation or demolition activities are considered regulated ACM (RACM).

Building materials confirmed to be ACM through the collection of bulk sampling and subsequent laboratory analysis, or presumed ACM, must be removed prior to intentional disturbance during the planned renovation activities. Asbestos abatement must be conducted by California licensed and registered abatement contractors and workers with Cal/OSHA-accredited training. Third-party air monitoring is recommended during the abatement activities.

Cal/OSHA requires that only properly licensed and certified asbestos abatement contractors are allowed to remove ACM. As per NESHAP, all RACM shall be removed from a facility being demolished or renovated before any non-burning demolition or renovation begins that would break up, dislodge, or similarly disturb the material or preclude access to the material for subsequent removal. According to BAAQMD, if more than 100 square feet or 100 linear feet of any RACM is to be stripped, removed, dislodged, cut, drilled, or similarly disturbed, or for any demolition, the asbestos abatement contractor or facility owner must submit an Asbestos Notification of Demolition and Renovation form to NESHAP along with the appropriate fees within at least 10 working days prior to the scheduled asbestos removal activity or demolition start date. Planned renovations that do not meet the definition of 'demolition or renovation of a facility' per NESHAP and where no ACM exists do not require notification to NESHAP.

The California Department of Occupational Safety and Health (DOSH) asbestos standard for construction (Title 8 CCR 1529) regulates workplace exposure to asbestos. The DOSH standard requires that employee exposure to airborne asbestos must not exceed 0.1 fibers per cubic centimeter of air (0.1 f/cc) as an eight-hour time weighted average (TWA) and not exceed 1.0 fibers per cubic centimeter of air (1.0 f/cc) over a 30-minute time period known as an excursion limit (EL). The TWA and EL are known as DOSH's asbestos permissible exposure limits (PELs). The DOSH standard classifies construction and maintenance activities which could disturb ACM and specifies work practices and precautions which employers must follow when engaging in each class of regulated work.

Asbestos containing construction materials (ACCM) is a term developed by Cal/OSHA out of concern for non-hazardous building materials used inside and outside a building that contain less than 1% asbestos. The definition of ACCM includes any manufactured building material that has more than one-tenth of 1% (>0.1%) asbestos content. The SJVAPCD requires point counting of friable samples of ACM at concentrations of less than 10% to determine more accurately determine the content of asbestos and proper classification of the material for proper abatement and disposal requirements. Alternatively, materials may be presumed as ACMs. If the material is less than one tenth of 1%, the material is not regulated by the EPA however Cal/OSHA worker protection regulations apply if any asbestos is detected.

## 3.2 Lead Containing Paint/Materials

Personnel performing demolition activities that may disturb painted components or materials with concentrations of lead above the designated analytical detection limit should comply with all current Cal-OSHA regulations in order to minimize employee exposure. Cal-OSHA defines lead

containing paint as a paint, which contains lead, regardless of the concentration. Currently, any proposed renovation/demolition is subject to the Cal-OSHA regulations (Title 8 CCR 1532.1 – Lead Exposure in Construction). The Cal-OSHA regulation defines specific training requirements, engineering controls and working practices for construction personnel subject to this standard. Occupational exposure to lead occurring during construction work, including maintenance activities, painting, alteration, and repairs is subject to the Cal-OSHA Lead Exposure in Construction standard.

Construction work covered by Title 8 CCR 1532.1 includes any repair or renovation activities or other activities that disturb in-place lead-containing materials. Employers must assure that no employee will be exposed to lead at concentrations greater than 50 micrograms per cubic meter ($\mu g/m^3$) averaged over an eight-hour period without adequate protection. The Cal-OSHA Standard also establishes an action level of 30 $\mu g/m^3$ which if exceeded triggers the requirement for medical monitoring.

Proper waste stream categorization is required for the disposal of all lead containing materials and painted construction debris with total lead content that exceeds 50 ppm. The debris should be classified as hazardous waste if lead waste concentrations exceed either the total lead concentration or soluble lead concentration regulatory limits. Total lead concentration is determined by Total Threshold Limit Concentration (TTLC). Soluble or leachable lead is determined by the Soluble Threshold Limit Concentration (STLC, California required test) and/or Toxicity Characteristic Leaching Procedure (TCLP) (Federal EPA required test). Regulatory limits characterize a lead waste as a hazardous waste if lead concentrations exceed 1,000 ppm by TTLC or 5 milligram per liter by STLC or TCLP.

The above overview is not intended to be inclusive of all potentially pertinent regulatory information. The relevant EPA and OSHA standards should be consulted prior to undertaking activities involving the demolition, renovation, or maintenance of surfaces coated with lead containing paints.

## 3.3 PCBs - Interior / Exterior Sealants

PCBs are regulated by the EPA under 40 CFR 761. The production of PCBs has been banned since 1979 and may be present in electrical capacitors, sealants, hydraulic oils, and transformers commonly found in buildings. Materials with greater than 50 ppm PCB content are considered PCB contaminated waste while materials with greater than 500 ppm PCB are considered PCB containing.

PCB containing equipment and/or contaminated materials must be removed and disposed properly prior to demolition of a building. PCB containing lighting ballasts may be present in some lighting fixtures and must be verified by labeling. PCB containing materials must be removed and disposed during renovation or prior to building demolition.

## 3.4 Universal Waste

Universal wastes are common wastes with hazardous properties that must be managed and have landfill disposal restrictions. Examples of universal waste include electronic devices, batteries, and mercury containing equipment or lighting. Handling, transportation, and disposal is simplified under the universal waste regulation in the California Code of Regulations Title 22, Division 4.5 Chapter 11.

All materials in the buildings meeting the definition of the universal waste that will be impacted by the renovation must be removed and handled, transported, and disposed through an appropriate vendor.

# 4.0 FINDINGS

## 4.1 Asbestos

Asbestos was identified in the building materials listed in Table I below. A complete sample summary in included as Appendix A. Laboratory analytical reports are included as Appendix B.

Table I
Asbestos Containing Materials

| Material Description | Sample Locations | Result | NESHAP Category | Est Quantity |
|---|---|---|---|---|
| HM 03 / 12" Lime Green Vinyl Floor Tile (VFT) with Yellow Glue | Room 109 – SW Corner Door, Room 109 – Center, Room 109 – East Side | Floor Tile: 3% CH<br>Glue: ND | Cat. I | 135 SF |
| HM 05 / Black Window Glaze (Putty) – Glass to Frame | Room #100 – Lobby – (S) Side Store Front Window, Lab Room #107 | Black Window Glazing: 2% CH | Cat. II | 575 LF |
| HM 15 / Light Gray Sink Under Coat | Lab Room #107 – (S) Side | Light Gray Sink Under Coat: 2% CH | Cat. II | 5 SF |
| HM 16 / Silver Sink Under Coat | Machine Shop – (S) Side | Silver Sink Under Coat: <1% CH | Cat. II | 5 SF |
| HM 24 / Drywall with Joint Compound & Texture – West Side Rooms | Room #114, T.V. Lab – N, T.V. Lab – SW | Joint Compound: 2% CH<br>Drywall & Tape: ND | RACM | 850 SF |
| HM 25 / Texture on Drywall (West Side Rooms) | Room #114 – N, T.V. Lab – N & S | White Texture: 2% CH | RACM | 850 SF |
| HM 33 / Drywall with Joint Compound (Smooth) | Mechanical Room #110, Room #110 Custodian, Men's Restroom at Lockers, Men's Restroom Ceiling, Women's Restroom Ceiling (Hall) | Joint Compound 2% CH<br>Drywall & Tape: ND<br><br>Composite Point Count Analysis: 0.5% CH | N/A | 4,500 SF |
| HM 35 / Black Sink Under Coat | Room #120B | Black Sink Under Coat: 2% CH | Cat. II | 10 SF |
| HM 44 / Mirror Mastic | N/A | Mirror Mastic: Assumed | Cat. II | 20 SF |

ND = None Detected, CH = Chrysotile, RACM = Regulated asbestos containing material (friable), Cat. I = Non-friable (note ACM must be reclassified as a RACM if rendered friable during removal), Cat. II = Category II Non-friable (note ACM must be reclassified as a RACM if rendered friable during removal), SF = square feet, LF = linear feet, *Estimate quantity should be field verified prior to abatement or abatement design

It should be reemphasized that although reasonable efforts were made to survey accessible suspect materials, additional suspect but un-sampled materials could be located under existing building materials, inside walls, above ceilings, in isolated areas or in other concealed areas. Therefore, if suspect materials are encountered during renovation activities that do not appear to have been characterized as ACM or non-ACM, these materials must be assumed to be ACM until samples are collected and analyzed to prove otherwise. Any assumed material should be treated as asbestos or sampled to determine asbestos content before disturbing the material.

## 4.2 Lead Containing Paint/Materials

Terracon sampled eighteen (18) painted surfaces and one (1) ceramic tile during the survey. Twelve (12) of the paint samples were reported with lead content. A summary of sample locations and analytical results is below in Table II. Samples reported with "<" is below the laboratory analytical reporting limit for the sample submitted.

Table II
Lead Containing Paint/Materials

| Sample # | Material Description | Sample Location | Lead Content |
|---|---|---|---|
| Pb-01 | White Paint on Wood Wall | Conference Room #104 | 1,800 ppm |
| Pb-02 | White Paint on Fiber Board Wall | Conference Room #104 – (W) Wall Panel | <39 ppm |
| Pb-03 | Blue Ceramic Tile on Concrete Wall | Men's Restroom – Near Stalls | <40 ppm |
| Pb-04 | Brown Paint on Wood Wall | Hallway – Near Restrooms | 5,600 ppm |
| Pb-05 | Beige Paint on Concrete Floor | Machine Shop – (N) Side Floor | 680 ppm |
| Pb-06 | Off-White Paint on Drywall Wall | (SW) Corner – Room #104 - Electrical | 1,300 ppm |
| Pb-07 | White Paint on Drywall Wall | Room #122B – (S) Wall | <40 ppm |
| Pb-08 | Dark Green Paint on Metal Wall Frame | Room #104C Wall Frame | 14,000 ppm |
| Pb-09 | White Paint on Concrete Wall | T.V. Lab – (E) Wall – Sub-Grade | <40 ppm |
| Pb-10 | Dark Gray Paint on Metal Column | T.V. Lab – (E) Support Column | 26,000 ppm |
| Pb-11 | Gray Paint on Concrete Floor | Room #120B Floor | <39 ppm |
| Pb-12 | Pink Paint on Drywall Wall | Room #116C | 55 ppm |
| Pb-13 | Orange Paint on Metal HVAC Duct | HVAC Ceiling Duct – Room #104 | 60,000 ppm |

| Sample # | Material Description | Sample Location | Lead Content |
|---|---|---|---|
| Pb-14 | Dark Brown Paint on Metal Support Column | North Side Portico Column Near Room #120A | 110,000 ppm |
| Pb-15 | Gray Paint on Metal Door | Exterior Side – Room #107 | 7,900 ppm |
| Pb-16 | Green Paint on Wood Roof Trim | South Side Detached – Structure | <40 ppm |
| Pb-17 | Red-Orange Paint on Metal Column | Support Column - East Detached Shed | 2,300 ppm |
| Pb-18 | Tan Paint on Wood Wall | Wood Siding – East Detached Shed | <40 ppm |
| Pb-19 | Red Paint on Metal HVAC Duct | (N) Roof – Center HVAC Wall | 97 ppm |

ppm = parts per million

Uncharacterized paints and/or suspect materials should be assumed to contain lead until sampling and analysis prove otherwise.

## 4.3 PCB Containing Materials

Terracon collected five (5) bulk samples from multiple building sealants during the survey. Of the materials sampled, one (1) was reported to contain PCBs in concentrations exceeding the laboratory limit of detection. A summary of PCB sample locations and analytical results is below in Table III.

Table III
PCB Containing Materials

| Sample # | Material Description | Sample Location | PCB Content (ppm) |
|---|---|---|---|
| PCB-01 | Black Window Glaze – Glass to Frame | South Side – Lobby Store Front Window – Room #100 | 36 |
| PCB-02 | Black Sealant – Associated with Door Frame to Brick | Machine Lab – Room #123 – (S) Perimeter Door Frame | ND <10 |
| PCB-03 | Black Sealant – Associated with Off. Metal Partition Wall Frames | Room #104A | ND <10 |
| PCB-04 | Grayish Sealant – Associated with Exterior Wall Panel Side | North Side – Bldg. – Courtyard (E) | ND <10 |
| PCB-05 | Black Sealant on Wood Side & Door Frame | East Side – Detached Shed | ND <10 |

mg/kg = milligrams per kilogram, ppm = parts per million, < = less than laboratory reporting limit

## 4.4 Other Hazardous Building Materials

Terracon visually assessed the building for the presence of other hazardous materials likely to be impacted by the renovation work. Select lighting ballasts were inspected for labeling indicating the

absence of PCBs. Ballasts observed in the building were labeled as non-PCB ballasts. All ballasts should be inspected prior to disposal to verify the presence/absence of PCBs. Ballasts should be assumed to be PCB-containing unless specified by the manufacturer's label as containing "No PCBs". Terracon estimates that 450 suspect PCB ballasts are present in the building.

Terracon also visually assessed the building for the presence of mercury containing products such as fluorescent light tubes, HID bulbs, mercury switches, thermostats and compact fluorescent light bulbs. Mercury-containing tubes, bulbs, switches, and thermostats should be removed from the fixtures or equipment without breakage and packaged for mercury reclamation as a universal waste through an appropriate vendor prior to removal of any fixtures. Terracon estimates that 900 mercury containing fluorescent light ballasts are present in the building.

Terracon visually inspected select equipment with potential chlorofluorocarbon (CFC) or hydrochlorofluorocarbon (HCFC) refrigerants. Six (6) R-22 and one (1) R-410A HVAC systems were identified on the roof of the building. In addition, one (1) drinking fountain suspected to contain a regulated refrigerant was observed. No testing was performed. All refrigerant systems should be verified prior to disconnection; lubricating fluids and refrigerant must be reclaimed for recycling or destruction prior to removal of the equipment.

Emergency egress equipment was evaluated for the presence of backup batteries that are considered universal waste. Batteries associated with the exit signs and egress lighting (estimated at 12) were identified throughout the interior of the structure. Tritium gas exit signs were not identified in building.

## 5.0 LIMITATIONS/GENERAL COMMENTS

Terracon performed limited destructive testing such as knocking holes in walls, dismantling of equipment or removal of protective coverings during the survey. Uncharacterized hidden materials may exist under existing finishes, equipment, or structural materials.

This hazardous materials survey was conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. The results, findings, conclusions, and recommendations expressed in this report are based on conditions observed during our survey at the subject site. The information contained in this report is relevant to the date on which this survey was performed and should not be relied upon to represent conditions at a later date.

This report has been prepared on behalf of and exclusively for use by Contra Costa Community College District for specific application to their project as discussed. This report is not a bidding document. Contractors or consultants reviewing this report must draw their own conclusions regarding further investigation or remediation deemed necessary. Terracon does not warrant the work of regulatory agencies, laboratories or other third parties supplying information which may have been used in the preparation of this report. No warranty, express or implied is made.

# APPENDIX A

PRE-RENOVATION HAZARDOUS MATERIALS SURVEY
Engineering Technology Building
Diablo Valley College
Pleasant Hill, California

Terracon Project No. R1227901
March 27, 2023

## ASBESTOS SAMPLE SUMMARY

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| **Engineering Technology (ET) Building** | | | | | | |
| 1 | Carpet Glue (Yellow) | 1A | Conference Room 104 | ND | N/A | Good |
| | | 1B | Room 102 | ND | | |
| | | 1C | Conference Room 124 – East Near Machine Shed | ND | | |
| | | 1D | Room #108 Lab - SW | ND | | |
| | | 1E | Corridor Hall – Near Restrooms | ND | | |
| | | 1F | (N) Bldg. – Room #116 | ND | | |
| | | 1G | (N) Bldg. – Room #119 | ND | | |
| 2 | 12” Cork Acoustical Door Tile w/ Yellow Glue | 2A | Conference Room 104 – SW Corner Door | ND | N/A | Good |
| | | 2B | Conference Room 104 – SW Corner Door | ND | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| | | 2C | Conference Room 104 – SW Corner Door | ND | | |
| 3 | 12” Lime Green VFT with Yellow Glue | 3A | Room 109 – SW Corner | *By PLM analysis:*<br>Light Green Floor Tile: 3% CH<br>Yellow Mastic: ND | Cat. II | Good |
| | | 3B | Room 109 – Center | *By PLM analysis:*<br>Lime Green Floor Tile: 3% CH<br>Yellow Mastic: ND | | |
| | | 3C | Room 109 – East Side | *By PLM analysis:*<br>Lime Green Floor Tile: 3% CH<br>Yellow Mastic: ND | | |
| 4 | White Sealant – On Door Frame/Door Seam | 4A | Conference Room 104 – SW Corner | ND | N/A | Good |
| | | 4B | Conference Room 104 – SW Corner | ND | | |
| 5 | Black Window Glaze (Putty) – Glass to Frame | 5A | Room #100 – Lobby – (S) Side Store Front Window | *By PLM analysis:*<br>Black Window Glazing: 2% CH | Cat. II | Good |
| | | 5B | Lab Room #107 | ND | | |
| | | 5C | Corridor Hall – Office #124A – (S) Window Frame | *By PLM analysis:*<br>Black Window Glazing: 2% CH | | |
| 6 | Black Sealant – Associated with Metal Wall Frames | 6A | Room #104B – Office Partition Wall – Frame to Frame | ND | N/A | Good |
| | | 6B | Room 104C – Office Partition Wall – Frame to Frame | ND | | |
| | | 6C | Room #124C – Office Partition Wall – Frame to Frame | ND | | |
| 7 | 6” Cove Base – With Yellow & Brown Glue | 7A | Room #104 - Conference | ND | N/A | Good |
| | | 7B | Hallway Outside Room #104 & Near Lobby | ND | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| | | 7C | Room #124 – (E) Wall | ND | | |
| 8 | 1” Blue Ceramic Floor Tile (CFT) – Grout & Mortar | 8A | Women’s Restroom Floor | ND | N/A | Good |
| | | 8B | Women’s Restroom Floor | ND | | |
| | | 8C | Women’s Restroom Floor | ND | | |
| 9 | 1” Blue Ceramic Wall Tile (CWT) – Grout & Yellow Glue | 9A | Women’s Restroom | ND | N/A | Good |
| | | 9B | Men’s Restroom | ND | | |
| | | 9C | Men’s Restroom | ND | | |
| 10 | Door Frame Sealant | 10A | Conference Room #104 | ND | N/A | Good |
| | | 10B | Lobby – (S) Side Entry | ND | | |
| | | 10C | Machine Shop | ND | | |
| 11 | Wood Panel Varnish Coating – Brown | 11A | Hallway – Near Room #104 Conference | ND | N/A | Good |
| | | 11B | Lobby | ND | | |
| | | 11C | East Side Corridor – Near Restrooms | ND | | |
| | | 11D | North Bldg. – Room #120B | ND | | |
| | | 11E | North Bldg. – Room #120A | ND | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| 12 | Aqua Green Carpet Glue | 12A | (NE) Corridor Hall – Near Room #122A | ND | N/A | Good |
| | | 12B | Room #122A | ND | | |
| | | 12C | Room #122B | ND | | |
| 13 | Beige Paint Floor Covering | 13A | Machine Shop – (N) | ND | N/A | Good |
| | | 13B | Machine Shop – Center | ND | | |
| | | 13C | Machine Shop – (S) | ND | | |
| 14 | Brick Wall & Grout | 14A | Lobby – (E) Wall | ND | N/A | Good |
| | | 14B | Conference Room #104 – (N) Wall | ND | | |
| | | 14C | West Side Corridor Hall at Entry | ND | | |
| 15 | Light Gray Sink Under Coat | 15A | Lab Room #107 – (S) Side | *By PLM analysis:* Light Gray Sink Undercoating: 2% CH | Cat. II | Good |
| | | 15B | Lab Room #107 – (S) Side | *By PLM analysis:* Light Gray Sink Undercoating: 2% CH | | |
| 16 | Silver Sink Under Coat | 16A | Machine Shop – (S) Side | *By PLM analysis:* Silver Sink Undercoating: <1% CH | Cat. II | Good |
| | | 16B | Machine Shop – (S) Side | *By PLM analysis:* Silver Sink Undercoating: <1% CH | | |
| 17 | 4” Brown Cove Base with Brown Glue | 17A | Mechanical Room | ND | N/A | Good |
| | | 17B | Mechanical Room | ND | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| 18 | 2'x4' White Pinhole Fissure ACT | 18A | Room #107 | ND | N/A | Good |
| | | 18B | Room #108 | ND | | |
| | | 18C | Room #108 | ND | | |
| 19 | Modular Tack Board with Yellow Adhesive | 19A | Conference Room 104 (NW) | ND | N/A | Good |
| | | 19B | Conference Room 104 (N) | ND | | |
| | | 19C | Conference Room 104 (S) | ND | | |
| 20 | Drywall with Joint Compound & Orange Peel (OP) Texture | 20A | Corridor Hall | ND | N/A | Good |
| | | 20B | Room #122B | ND | | |
| | | 20C | Room #122A | ND | | |
| 21 | OP Texture on Drywall | 21A | Corridor Hall – NW | ND | N/A | Good |
| | | 21B | Corridor Hall – NE | ND | | |
| | | 21C | Room #122B – S | ND | | |
| | | 21D | Room #122A – NE | ND | | |
| | | 21E | Room #122A – S | ND | | |
| 22 | Blue Wall Board Panels Associated with Offices | 22A | Room #104A | ND | N/A | Good |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| | | 22B | Room #107 at #104C Partition | ND | | |
| | | 22C | Machine Lab at #123E | ND | | |
| 23 | Yellow Glue on Brick Wall Wood Brace | 23A | Room #107 – West Wall | ND | N/A | Good |
| | | 23B | Room #107 – West Wall | ND | | |
| | | 23C | Room #107 – West Wall | ND | | |
| 24 | Drywall with Joint Compound & Texture – West Side Rooms | 24A | Room #114 | ND | RACM | Good |
| | | 24B | T.V. Lab – N | *By PLM analysis:*<br>Joint Compound: 2% CH<br>Drywall & Tape: ND | | |
| | | 24C | T.V. Lab – SW | *By PLM analysis:*<br>Joint Compound: 2% CH<br>Drywall & Tape: ND | | |
| 25 | Texture on Drywall (West Side Rooms) | 25A | Room #114 – N | *By PLM analysis:*<br>Texture: 2% CH | RACM | Good |
| | | 25B | T.V. Lab – S | ND | | |
| | | 25C | T.V. Lab – S | *By PLM analysis:*<br>Texture: 2% CH | | |
| 26 | Carpet Glues – West Side Rooms | 26A | Room #112 at Threshold | ND | N/A | Good |
| | | 26B | T.V. Lab – Center | ND | | |
| | | 26C | Room #114 – W | ND | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| 27 | White Coating on Concrete Wall | 27A | Room Sub Grade T.V. Lab – E Wall | ND | N/A | Good |
| | | 27B | Room Sub Grade T.V. Lab – E Wall | ND | | |
| | | 27C | Room Sub Grade T.V. Lab – E Wall | ND | | |
| 28 | Brown Epoxy Floor Cover | 28A | (N) Bldg. – Room #120 | ND | N/A | Good |
| | | 28B | (N) Bldg. – Room #120 | ND | | |
| | | 28C | (N) Bldg. – Room #120 | ND | | |
| 29 | Texture on Drywall – North Side Offices | 29A | (N) Bldg. – Room #116C | ND | N/A | Good |
| | | 29B | (N) Bldg. – Room #116E | ND | | |
| | | 29C | (N) Bldg. – Room #116D | ND | | |
| 30 | Drywall with Joint Compound & Texture – (N) Offices | 30A | Room #116C | ND | N/A | Good |
| | | 30B | Room #116E | ND | | |
| | | 30C | Room #116D | ND | | |
| 31 | Concrete – Slab Floor | 31A | Lobby | ND | N/A | Good |
| | | 31B | Room #104 at (N) Entry | ND | | |
| | | 31C | Survey Storeroom | ND | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| 32 | 2'x6' White Pinhole & Fissures ACT | 32A | (N) Side – Room #116 | ND | N/A | Good |
| | | 32B | (N) Side – Room #116B | ND | | |
| | | 32C | (N) Side – T & C Lab | ND | | |
| 33 | Drywall with Joint Compound (Smooth) | 33A | Mechanical Room #110 | *By PLM analysis:*<br>Joint Compound: 2% CH<br>Drywall: ND<br><br>*By 400-point count analysis:*<br>Joint Compound and Drywall Composite: 0.25% CH | N/A | Good |
| | | 33B | Room #110A – Custodian | *By PLM analysis:*<br>Joint Compound: 2% CH<br>Drywall: ND<br><br>*By 400-point count analysis:*<br>Joint Compound and Drywall Composite: <0.25% CH | | |
| | | 33C | Men's Restroom – At Lockers | ND | | |
| | | 33D | Men's Restroom Ceiling | *By PLM analysis:*<br>Joint Compound: 2% CH<br>Drywall: ND<br><br>*By 400-point count analysis:*<br>Joint Compound and Drywall Composite: 0.5% CH | | |
| | | 33E | Women's Restroom Ceiling (Hall) | *By PLM analysis:*<br>Joint Compound: 2% CH<br>Drywall: ND<br><br>*By 400-point count analysis:*<br>Joint Compound and Drywall Composite: 0.25% CH | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| 34 | 4” Black Cove Base w/ Yellow & Brown Glue | 34A | Room #100A | ND | N/A | Good |
| | | 34B | Room #124 | ND | | |
| | | 34C | Machine Lab #123 | ND | | |
| 35 | Black Sink Under Coat | 35A | Room #120B | *By PLM analysis:* Black Sink Undercoating: 2% CH | Cat. II | Good |
| | | 35B | Room #120B | *By PLM analysis:* Black Sink Undercoating: 2% CH | | |
| 36 | Concrete Slab – Courtyard | 36A | Courtyard – Slab – (N) | ND | N/A | Good |
| | | 36B | Courtyard – Slab – (Center) | ND | | |
| | | 36C | Courtyard – Slab – (E) | ND | | |
| 37 | Roof – Main Field - PVC | 37A | Roof – (N) | ND | N/A | Good |
| | | 37B | Roof – (SW) | ND | | |
| | | 37C | Roof – (SE) | ND | | |
| 38 | Exterior Stucco Wall | 38A | East Side – (N) Wall – at Roof Level | ND | N/A | Good |
| | | 38B | East Side – (W) Wall – at Roof Level | ND | | |
| | | 38C | East Side – (S) Wall – at Roof Level | ND | | |
| | | 38D | South Side – (W) Wall | ND | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| | | 38E | South Side – (E) Wall | ND | | |
| 39 | Roof Sheet Metal Sealant (Gray) | 39A | Roof – North Perimeter | ND | N/A | Good |
| | | 39B | Roof – South Perimeter | ND | | |
| | | 39C | Roof – East Perimeter | ND | | |
| 40 | Silver Paint on Roof Pipe Conduit | 40A | Roof (N) | ND | N/A | Good |
| | | 40B | Roof (SW) | ND | | |
| | | 40C | Roof (E) | ND | | |
| 41 | Gray VSF with Mastic | 41A | Women's Restroom – (SW) | ND | N/A | Good |
| | | 41B | Women's Restroom – (S) | ND | | |
| | | 41C | Women's Restroom – (Center) | ND | | |
| 42 | Roof – Main Roof – Shingles | 42A | South Side Bldg. – Main Field | ND | N/A | Good |
| | | 42B | South Side Bldg. – Main Field | ND | | |
| | | 42C | South Side Bldg. – Main Field | ND | | |
| 43 | Exterior – Wood Siding Wall Sealant | 43A | East Bldg. – Exterior Siding | ND | N/A | Good |
| | | 43B | East Bldg. – Exterior Siding | ND | | |

| HM # | Material Description | Sample # | Sample Location | Result | NESHAP Category | Condition |
|---|---|---|---|---|---|---|
| | | 43C | East Bldg. – Exterior Siding | ND | | |

ND = None Detected, CH = Chrysotile, RACM = Regulated asbestos containing material (friable), Cat. I = Non-friable (note ACM must be reclassified as a RACM if rendered friable during removal), Cat. II = Category II Non-friable (note ACM must be reclassified as a RACM if rendered friable during removal)

# APPENDIX B

# ASBESTOS ANALYTICAL LABORATORY DATA

eurofins | Built Environment Testing

Report for:

**Mr. Steff Steiner**
**Terracon Consultants, Inc.-Oakland**
1220 Concord Avenue
Suite 450
Concord, CA 94520

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Regarding: Eurofins EPK Built Environment Testing, LLC
Project: R1227901; Engineering Technology (ET Bldg)
EML ID: 3136431

Approved by:

Approved Signatory
Danny Li

Dates of Analysis:
Asbestos PLM: 01-19-2023

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 200757-0

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**Eurofins EPK Built Environment Testing, LLC**
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(866) 888-6653 www.eurofinsus.com/Built

Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; Engineering Technology (ET Bldg)

Date of Sampling: 01-11-2023 and 01-16-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## ASBESTOS PLM REPORT

| | |
|---|---|
| **Total Samples Submitted:** | 136 |
| **Total Samples Analyzed:** | 136 |
| **Total Samples with Layer Asbestos Content > 1%:** | 17 |

**Location: 1A, Carpet Glue, Yellow; Conf. Room 104** Lab ID-Version‡: 15167808-1

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

**Location: 1B, Carpet Glue, Yellow; Room 102** Lab ID-Version‡: 15167809-1

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

**Location: 1C, Carpet Glue, Yellow; Conf. Room 124, East Near Machine Shop** Lab ID-Version‡: 15167810-1

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

**Location: 2A, 12" Cork Acoustical Door Tile with Yellow Glue; Conf Room 104, SW Corner Door** Lab ID-Version‡: 15167811-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Non-Fibrous Material | ND |
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |



Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

**Eurofins EPK Built Environment Testing, LLC**
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(866) 888-6653 www.eurofinsus.com/Built

Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; Engineering Technology (ET Bldg)

Date of Sampling: 01-11-2023 and 01-16-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## ASBESTOS PLM REPORT

**Location: 2B, 12" Cork Acoustical Door Tile with Yellow Glue; Conf Room 104, SW Corner Door**

Lab ID-Version‡: 15167812-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Non-Fibrous Material | ND |
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 2C, 12" Cork Acoustical Door Tile with Yellow Glue; Conf Room 104, SW Corner Door**

Lab ID-Version‡: 15167813-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Non-Fibrous Material | ND |
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 3A, 12" Lime Green VFT with Yellow Glue; Room 109, SW Corner**

Lab ID-Version‡: 15167814-1

| Sample Layers | Asbestos Content |
|---|---|
| Light Green Floor Tile | 3% Chrysotile |
| Yellow Mastic | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 3B, 12" Lime Green VFT with Yellow Glue; Room 109, Center**

Lab ID-Version‡: 15167815-1

| Sample Layers | Asbestos Content |
|---|---|
| Light Green Floor Tile | 3% Chrysotile |
| Yellow Mastic | ND |
| **Sample Composite Homogeneity:** | Moderate |



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.
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## ASBESTOS PLM REPORT

**Location: 3C, 12" Lime Green VFT with Yellow Glue; Room 109, East Side** Lab ID-Version‡: 15167816-1

| Sample Layers | Asbestos Content |
|---|---|
| Light Green Floor Tile | 3% Chrysotile |
| Yellow Mastic | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 4A, White Sealant, on Door Frame/Door Seam; Conf Room 104, SW Corner** Lab ID-Version‡: 15167817-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 4B, White Sealant, on Door Frame/Door Seam; Conf Room 104, SW Corner** Lab ID-Version‡: 15167818-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 5A, Black Window Glaze, Putty, Glass to Frame; Room #100, Lobby, S Side Store Front Window** Lab ID-Version‡: 15167819-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Window Glazing | 2% Chrysotile |
| **Sample Composite Homogeneity:** | Good |



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## ASBESTOS PLM REPORT

**Location: 5B, Black Window Glaze, Putty, Glass to Frame; Lab Room #107** Lab ID-Version‡: 15167820-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Window Glazing | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 5C** Lab ID-Version‡: 15179627-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Window Glazing | 2% Chrysotile |
| **Sample Composite Homogeneity:** | Good |

**Location: 1D, Carpet Glue, Yellow; Room 108 Lab, SW** Lab ID-Version‡: 15167821-1

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

**Location: 1E, Carpet Glue, Yellow; Corridor Hall, Near RR** Lab ID-Version‡: 15167822-1

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



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## ASBESTOS PLM REPORT

**Location: 6A, Black Sealant, Associated with Metal Wall Frames; Room #104B, Office Partition Wall, Frame to Frame** Lab ID-Version‡: 15167823-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 6B, Black Sealant, Associated with Metal Wall Frames; Room #104C, Office Partition Wall, Frame to Frame** Lab ID-Version‡: 15167824-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 6C, Black Sealant, Associated with Metal Wall Frames; Room #124C, Office Partition Wall, Frame to Frame** Lab ID-Version‡: 15167825-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 7A, 6" Cove Base, with Yellow and Brown Glue; Room #104, Conf.** Lab ID-Version‡: 15167826-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Glue | ND |
| Brown Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Comments:** Baseboard not detected.



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## ASBESTOS PLM REPORT

**Location: 7B, 6" Cove Base, with Yellow and Brown Glue; Hallway Outside Rm #104 and Near Lobby** Lab ID-Version‡: 15167827-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Glue | ND |
| Brown Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Comments:** Baseboard not detected.

**Location: 7C, 6" Cove Base, with Yellow and Brown Glue; Room #124, E Wall** Lab ID-Version‡: 15167828-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Baseboard | ND |
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 8A, 1" Blue CFT, Grout and Mortar; Womens Restroom Floor** Lab ID-Version‡: 15167829-1

| Sample Layers | Asbestos Content |
|---|---|
| Blue Tile | ND |
| Black Grout | ND |
| Gray Mortar | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 8B, 1" Blue CFT, Grout and Mortar; Womens Restroom Floor** Lab ID-Version‡: 15167830-1

| Sample Layers | Asbestos Content |
|---|---|
| Blue Tile | ND |
| Black Grout | ND |
| Gray Mortar | ND |
| **Sample Composite Homogeneity:** | Moderate |



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## ASBESTOS PLM REPORT

**Location: 8C, 1" Blue CFT, Grout and Mortar; Mens Restroom Floor** Lab ID-Version‡: 15167831-1

| Sample Layers | Asbestos Content |
|---|---|
| Blue Tile | ND |
| Black Grout | ND |
| Gray Mortar | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 9A, 1" Blue CWT, Grout and Yellow Glue; Womens Restroom** Lab ID-Version‡: 15167832-1

| Sample Layers | Asbestos Content |
|---|---|
| Blue Tile | ND |
| Black Grout | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Comments:** Glue not detected.

**Location: 9B, 1" Blue CWT, Grout and Yellow Glue; Restroom, Mens** Lab ID-Version‡: 15167833-1

| Sample Layers | Asbestos Content |
|---|---|
| Blue Tile | ND |
| Black Grout | ND |
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 9C, 1" Blue CWT, Grout and Yellow Glue; Mens Restroom** Lab ID-Version‡: 15167834-1

| Sample Layers | Asbestos Content |
|---|---|
| Blue Tile | ND |
| Black Grout | ND |
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |



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## ASBESTOS PLM REPORT

**Location: 10A, Door Frame Sealant; Conf Rm #104** Lab ID-Version‡: 15167835-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 10B, Door Frame Sealant; Lobby, S Side Entry** Lab ID-Version‡: 15167836-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 10C, Door Frame Sealant; Machine Shop** Lab ID-Version‡: 15167837-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 11A, Wood Panel Varnish Coating, Brown; Hallway, Near Rm #104 Conf** Lab ID-Version‡: 15167838-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Wood Coating | ND |
| **Sample Composite Homogeneity:** | Good |



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## ASBESTOS PLM REPORT

**Location: 11B, Wood Panel Varnish Coating, Brown; Lobby** Lab ID-Version‡: 15167839-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Wood Coating | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 11C, Wood Panel Varnish Coating, Brown; East Side Corridor, Near Restrooms** Lab ID-Version‡: 15167840-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Wood Coating | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 12A, Aqua Green Carpet Glue; NE Corridor Hall, Near Rm #122A** Lab ID-Version‡: 15167841-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown/Green Glue | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 12B, Aqua Green Carpet Glue; Room #122A** Lab ID-Version‡: 15167842-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown/Green Glue | ND |
| **Sample Composite Homogeneity:** | Good |



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## ASBESTOS PLM REPORT

**Location: 12C, Aqua Green Carpet Glue; Room #122B** Lab ID-Version‡: 15167843-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown/Green Glue | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 13A, Beige Paint Floor Covering; Machine Shop, N** Lab ID-Version‡: 15167844-1

| Sample Layers | Asbestos Content |
|---|---|
| Beige Flooring Material | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 13B, Beige Paint Floor Covering; Machine Shop, Center** Lab ID-Version‡: 15167845-1

| Sample Layers | Asbestos Content |
|---|---|
| Beige Flooring Material | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 13C, Beige Paint Floor Covering; Machine Shop, S** Lab ID-Version‡: 15167846-1

| Sample Layers | Asbestos Content |
|---|---|
| Beige Flooring Material | ND |
| **Sample Composite Homogeneity:** | Good |



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## ASBESTOS PLM REPORT

**Location: 14A, Brick Wall and Grout; Lobby, E Wall** Lab ID-Version‡: 15167847-1

| Sample Layers | Asbestos Content |
|---|---|
| Red Brick Wall | ND |
| Gray Grout | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 14B, Brick Wall and Grout; Conf. Rm #104, N Wall** Lab ID-Version‡: 15167848-1

| Sample Layers | Asbestos Content |
|---|---|
| Red Brick Wall | ND |
| Gray Grout | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 14C, Brick Wall and Grout; West Side Corridor Hall at Entry** Lab ID-Version‡: 15167849-1

| Sample Layers | Asbestos Content |
|---|---|
| Red Brick Wall | ND |
| Gray Grout | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 15A, Light Gray Sink Under Coat; Lab Rm #107, S Side** Lab ID-Version‡: 15167850-1

| Sample Layers | Asbestos Content |
|---|---|
| Light Gray Sink Undercoating | 2% Chrysotile |
| **Sample Composite Homogeneity:** | Good |



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## ASBESTOS PLM REPORT

**Location: 15B, Light Gray Sink Under Coat; Lab Rm #107, S Side** Lab ID-Version‡: 15167851-1

| Sample Layers | Asbestos Content |
|---|---|
| Light Gray Sink Undercoating | 2% Chrysotile |
| **Sample Composite Homogeneity:** | Good |

**Location: 16A, Silver Sink Under Coat; Machine Shop, S Side** Lab ID-Version‡: 15167852-1

| Sample Layers | Asbestos Content |
|---|---|
| Silver Sink Undercoating | < 1% Chrysotile |
| **Sample Composite Homogeneity:** | Good |

**Location: 16B, Silver Sink Under Coat; Machine Shop, S Side** Lab ID-Version‡: 15167853-1

| Sample Layers | Asbestos Content |
|---|---|
| Silver Sink Undercoating | < 1% Chrysotile |
| **Sample Composite Homogeneity:** | Good |

**Location: 17A, 4" Brown Cove Base with Brown Glue; Mechanical Room** Lab ID-Version‡: 15167854-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Baseboard | ND |
| Brown Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |



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## ASBESTOS PLM REPORT

**Location: 17B, 4" Brown Cove Base with Brown Glue; Mechanical Room** Lab ID-Version‡: 15167855-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Baseboard | ND |
| Brown Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 18A, 2'x4' White Pinhole Fissure ACT; Room #107** Lab ID-Version‡: 15167856-1

| Sample Layers | Asbestos Content |
|---|---|
| Tan Ceiling Tile | ND |
| **Composite Non-Asbestos Content:** | 45% Glass Fibers<br>35% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Location: 18B, 2'x4' White Pinhole Fissure ACT; Room #108** Lab ID-Version‡: 15167857-1

| Sample Layers | Asbestos Content |
|---|---|
| Tan Ceiling Tile | ND |
| **Composite Non-Asbestos Content:** | 45% Glass Fibers<br>35% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Location: 18C, 2'x4' White Pinhole Fissure ACT; Room #108** Lab ID-Version‡: 15167858-1

| Sample Layers | Asbestos Content |
|---|---|
| Tan Ceiling Tile | ND |
| **Composite Non-Asbestos Content:** | 45% Glass Fibers<br>35% Cellulose |
| **Sample Composite Homogeneity:** | Good |



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.
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## ASBESTOS PLM REPORT

**Location: 19A, Modular Tack Board with Yellow Adhesive; Conf. Room 104, NW** Lab ID-Version‡: 15167859-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Fibrous Material | ND |
| **Composite Non-Asbestos Content:** | 99% Cellulose |
| **Sample Composite Homogeneity:** | Moderate |

**Comments:** Adhesive not detected.

**Location: 19B, Modular Tack Board with Yellow Adhesive; Conf. Room 104, N** Lab ID-Version‡: 15167860-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Fibrous Material | ND |
| Yellow Adhesive (Trace) | ND |
| **Composite Non-Asbestos Content:** | 99% Cellulose |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 19C, Modular Tack Board with Yellow Adhesive; Conf. Room 104, S** Lab ID-Version‡: 15167861-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Fibrous Material | ND |
| Yellow Adhesive (Trace) | ND |
| **Composite Non-Asbestos Content:** | 99% Cellulose |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 20A, Drywall with Joint Comp. and OP Texture; Corridor Hall** Lab ID-Version‡: 15167862-1

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

**Comments:** Texture not detected.



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## ASBESTOS PLM REPORT

**Location: 20B, Drywall with Joint Comp. and OP Texture; Room #122B** Lab ID-Version‡: 15167863-1

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

**Comments:** Texture not detected.

**Location: 20C, Drywall with Joint Comp. and OP Texture; Room #122A** Lab ID-Version‡: 15167864-1

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

**Comments:** Texture not detected.

**Location: 21A, OP Texture on Drywall; Corridor Hall, NW** Lab ID-Version‡: 15167865-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 21B, OP Texture on Drywall; Corridor Hall, NE** Lab ID-Version‡: 15167866-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| **Sample Composite Homogeneity:** | Good |



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.
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C/O: Mr. Steff Steiner
Re: R1227901; Engineering Technology (ET Bldg)

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## ASBESTOS PLM REPORT

**Location: 21C, OP Texture on Drywall; Room #122B, S** Lab ID-Version‡: 15167867-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture (Trace) | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 21D, OP Texture on Drywall; Room #122A, NE** Lab ID-Version‡: 15167868-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture (Trace) | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 21E, OP Texture on Drywall; Room #122A, S** Lab ID-Version‡: 15167869-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 22A, Blue Wall Board Panels Associated with Offices; Room #104A** Lab ID-Version‡: 15167870-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Fibrous Material | ND |
| **Composite Non-Asbestos Content:** | 98% Cellulose |
| **Sample Composite Homogeneity:** | Good |



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## ASBESTOS PLM REPORT

**Location: 22B, Blue Wall Board Panels Associated with Offices; Room #107 at #104C Partition**

Lab ID-Version‡: 15167871-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Fibrous Material | ND |
| **Composite Non-Asbestos Content:** | 98% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Location: 22C, Blue Wall Board Panels Associated with Offices; Machine Lab at #123E**

Lab ID-Version‡: 15167872-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Fibrous Material | ND |
| **Composite Non-Asbestos Content:** | 98% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Location: 23A, Yellow Glue on Brick Wall Wood Brace; Room #107, West Wall**

Lab ID-Version‡: 15167873-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 23B, Yellow Glue on Brick Wall Wood Brace; Room #107, West Wall**

Lab ID-Version‡: 15167874-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |



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.
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## ASBESTOS PLM REPORT

**Location: 23C, Yellow Glue on Brick Wall Wood Brace; Room #107, West Wall** Lab ID-Version‡: 15167875-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 24A, Drywall with Joint Comp and Texture West Side Rooms; Room #114** Lab ID-Version‡: 15167876-1

| Sample Layers | Asbestos Content |
|---|---|
| White Joint Compound | ND |
| White Drywall | ND |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Moderate |

**Comments:** Texture not detected.

**Location: 24B, Drywall with Joint Comp and Texture West Side Rooms; T.V. Lab, N** Lab ID-Version‡: 15167877-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | 2% Chrysotile |
| Cream Tape | ND |
| White Joint Compound | 2% Chrysotile |
| White Drywall | ND |
| **Composite Asbestos Fibrous Content:** | < 1% Asbestos |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Moderate |

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

**Location: 24C, Drywall with Joint Comp and Texture West Side Rooms; T.V. Lab, SW** Lab ID-Version‡: 15167878-1

| Sample Layers | Asbestos Content |
|---|---|
| White Joint Compound | 2% Chrysotile |
| White Drywall | ND |
| **Composite Asbestos Fibrous Content:** | < 1% Asbestos |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Moderate |

**Comments:** Texture not detected. Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.



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.
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## ASBESTOS PLM REPORT

**Location: 25A, Texture on Drywall, West Side Rooms; Room #114, N** Lab ID-Version‡: 15167879-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | 2% Chrysotile |
| **Sample Composite Homogeneity:** | Good |

**Location: 25B, Texture on Drywall, West Side Rooms; T.V. Lab, S** Lab ID-Version‡: 15167880-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 25C, Texture on Drywall, West Side Rooms; T.V. Lab, S** Lab ID-Version‡: 15167881-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | 2% Chrysotile |
| **Sample Composite Homogeneity:** | Good |

**Location: 26A, Carpet Glues, West Side Rooms; Room #112 at Threshold** Lab ID-Version‡: 15167882-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Carpet Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |



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.
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## ASBESTOS PLM REPORT

**Location: 26B, Carpet Glues, West Side Rooms; Room #112 at Threshold** Lab ID-Version‡: 15167883-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Carpet Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 26C, Carpet Glues, West Side Rooms; Room #112 at Threshold** Lab ID-Version‡: 15167884-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Carpet Glue | ND |
| **Sample Composite Homogeneity:** | Moderate |

**Location: 27A, White Coating on Concrete Wall; Room Sub Grade T.V. Lab, E Wall** Lab ID-Version‡: 15167885-1

| Sample Layers | Asbestos Content |
|---|---|
| White Coating | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 27B, White Coating on Concrete Wall; Room Sub Grade T.V. Lab, E Wall** Lab ID-Version‡: 15167886-1

| Sample Layers | Asbestos Content |
|---|---|
| White Coating | ND |
| **Sample Composite Homogeneity:** | Good |



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.
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## ASBESTOS PLM REPORT

**Location: 27C, White Coating on Concrete Wall; Room Sub Grade T.V. Lab, E Wall** Lab ID-Version‡: 15167887-1

| Sample Layers | Asbestos Content |
|---|---|
| White Coating | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 11D, Brown Varnish; North Bldg., Rm #120B** Lab ID-Version‡: 15167888-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Wood Coating | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 11E, Brown Varnish; North Bldg., Rm #120A** Lab ID-Version‡: 15167889-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Wood Coating | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 28A, Brown Epoxy Floor Cover; N Bldg., Rm #120** Lab ID-Version‡: 15167890-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Flooring Material | ND |
| Gray Cementitious Material | ND |
| **Sample Composite Homogeneity:** | Good |



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.
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## ASBESTOS PLM REPORT

**Location: 28B, Brown Epoxy Floor Cover; N Bldg., Rm #120** Lab ID-Version‡: 15167891-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Flooring Material | ND |
| Gray Cementitious Material | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 28C, Brown Epoxy Floor Cover; N Bldg., Rm #120** Lab ID-Version‡: 15167892-1

| Sample Layers | Asbestos Content |
|---|---|
| Brown Flooring Material | ND |
| Gray Cementitious Material | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 1F, Carpet Glue; N Bldg., Rm #116** Lab ID-Version‡: 15167893-1

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

**Location: 1G, Carpet Glue; N Bldg., Rm #119** Lab ID-Version‡: 15167894-1

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



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.
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## ASBESTOS PLM REPORT

**Location: 29A, Texture on Drywall, North Side Offices; N Bldg, Rm #116C** Lab ID-Version‡: 15167895-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 29B, Texture on Drywall, North Side Offices; N Bldg, Rm #116E** Lab ID-Version‡: 15167896-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 29C, Texture on Drywall, North Side Offices; N Bldg, Rm #116D** Lab ID-Version‡: 15167897-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 30A, Drywall with Joint Comp and Text. N Offices; Rm #116C** Lab ID-Version‡: 15167898-1

| Sample Layers | Asbestos Content |
|---|---|
| White Joint Compound | ND |
| White Drywall | ND |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Good |



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.
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## ASBESTOS PLM REPORT

**Location: 30B, Drywall with Joint Comp and Text. N Offices; Rm #116E** Lab ID-Version‡: 15167899-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| Cream Tape | ND |
| White Joint Compound | ND |
| White Drywall | ND |
| **Composite Non-Asbestos Content:** | 15% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Location: 30C, Drywall with Joint Comp and Text. N Offices; Rm #116D** Lab ID-Version‡: 15167900-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| Cream Tape | ND |
| White Joint Compound | ND |
| White Drywall | ND |
| **Composite Non-Asbestos Content:** | 15% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Location: 31A, Concrete, Slab Floor; Lobby** Lab ID-Version‡: 15167901-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Concrete | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 31B, Concrete, Slab Floor; Rm #104 at N Entry** Lab ID-Version‡: 15167902-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Concrete | ND |
| **Sample Composite Homogeneity:** | Good |



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## ASBESTOS PLM REPORT

**Location: 31C, Concrete, Slab Floor; Survey Store Room** Lab ID-Version‡: 15167903-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Concrete | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 32A, 2'x6' White Pinhole and Fissures ACT; N Side, Rm #116** Lab ID-Version‡: 15167904-1

| Sample Layers | Asbestos Content |
|---|---|
| White Ceiling Tile | ND |
| **Composite Non-Asbestos Content:** | 35% Cellulose<br>20% Glass Fibers |
| **Sample Composite Homogeneity:** | Good |

**Location: 32B, 2'x6' White Pinhole and Fissures ACT; N Side, Rm #116B** Lab ID-Version‡: 15167905-1

| Sample Layers | Asbestos Content |
|---|---|
| White Ceiling Tile | ND |
| **Composite Non-Asbestos Content:** | 35% Cellulose<br>20% Glass Fibers |
| **Sample Composite Homogeneity:** | Good |

**Location: 32C, 2'x6' White Pinhole and Fissures ACT; N Side, T and C Lab.** Lab ID-Version‡: 15167906-1

| Sample Layers | Asbestos Content |
|---|---|
| White Ceiling Tile | ND |
| **Composite Non-Asbestos Content:** | 35% Cellulose<br>20% Glass Fibers |
| **Sample Composite Homogeneity:** | Good |



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.
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## ASBESTOS PLM REPORT

**Location: 33A, Drywall with Joint Compound, Smooth; Mechanical Rm #110** Lab ID-Version‡: 15167907-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | 2% Chrysotile |
| Cream Tape | ND |
| White Joint Compound | 2% Chrysotile |
| White Drywall | ND |
| **Composite Asbestos Fibrous Content:** | < 1% Asbestos |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

**Location: 33B, Drywall with Joint Compound, Smooth; Rm #110A Custodian** Lab ID-Version‡: 15167908-1

| Sample Layers | Asbestos Content |
|---|---|
| White Joint Compound | 2% Chrysotile |
| White Drywall | ND |
| **Composite Asbestos Fibrous Content:** | < 1% Asbestos |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

**Location: 33C, Drywall with Joint Compound, Smooth; Restroom Mews, at Lockers** Lab ID-Version‡: 15167909-1

| Sample Layers | Asbestos Content |
|---|---|
| White Texture | ND |
| Cream Tape | ND |
| White Joint Compound | ND |
| White Drywall | ND |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Good |



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.
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## ASBESTOS PLM REPORT

**Location: 33D, Drywall with Joint Compound, Smooth; Mens Restroom Ceiling** Lab ID-Version‡: 15167910-1

| Sample Layers | Asbestos Content |
|---|---|
| White Joint Compound | 2% Chrysotile |
| White Drywall | ND |
| **Composite Asbestos Fibrous Content:** | < 1% Asbestos |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.



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.
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## ASBESTOS PLM REPORT

**Location: 33E, Drywall with Joint Compound, Smooth; Womens Restroom Ceiling, Hall**

Lab ID-Version‡: 15167911-1

| Sample Layers | Asbestos Content |
|---|---|
| White Joint Compound | 2% Chrysotile |
| White Drywall | ND |
| **Composite Asbestos Fibrous Content:** | < 1% Asbestos |
| **Composite Non-Asbestos Content:** | 5% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

**Location: 34A, 4" Black Cove Base with Yellow and Brown Glue; Room #100A**

Lab ID-Version‡: 15167912-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Glue | ND |
| Brown Glue | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 34B, 4" Black Cove Base with Yellow and Brown Glue; Room #124**

Lab ID-Version‡: 15167913-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Glue | ND |
| Brown Glue | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 34C, 4" Black Cove Base with Yellow and Brown Glue; Machine Lab #123**

Lab ID-Version‡: 15167914-1

| Sample Layers | Asbestos Content |
|---|---|
| Yellow Glue | ND |
| Brown Glue | ND |
| **Sample Composite Homogeneity:** | Good |



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.
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**Eurofins EPK Built Environment Testing, LLC**
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Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; Engineering Technology (ET Bldg)

Date of Sampling: 01-11-2023 and 01-16-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## ASBESTOS PLM REPORT

**Location: 35A, Black Sink Under Coat; Room #120B** Lab ID-Version‡: 15167915-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Sink Undercoating | 2% Chrysotile |
| **Sample Composite Homogeneity:** | Good |

**Location: 35B, Black Sink Under Coat; Room #120B** Lab ID-Version‡: 15167916-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Sink Undercoating | 2% Chrysotile |
| **Sample Composite Homogeneity:** | Good |

**Location: 36A, Concrete Slab, Courtyard; Courtyard, Slab, N** Lab ID-Version‡: 15167917-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Concrete | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 36B, Concrete Slab, Courtyard; Courtyard, Slab, Center** Lab ID-Version‡: 15167918-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Concrete | ND |
| **Sample Composite Homogeneity:** | Good |



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C/O: Mr. Steff Steiner
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Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## ASBESTOS PLM REPORT

**Location: 36C, Concrete Slab, Courtyard; Courtyard, Slab, E** Lab ID-Version‡: 15167919-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Concrete | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 37A, Roof, Main Field, PVC; Roof, N** Lab ID-Version‡: 15167920-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray/Black Roofing Material | ND |
| White Semi-Fibrous Material | ND |
| Yellow Glue | ND |
| Yellow Foam | ND |
| **Composite Non-Asbestos Content:** | 20% Glass Fibers<br>10% Synthetic Fibers<br>5% Cellulose |
| **Sample Composite Homogeneity:** | Poor |

**Location: 37B, Roof, Main Field, PVC; Roof, SW** Lab ID-Version‡: 15167921-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray/Black Roofing Material | ND |
| White Semi-Fibrous Material | ND |
| Yellow Glue | ND |
| Yellow Foam | ND |
| **Composite Non-Asbestos Content:** | 20% Glass Fibers<br>10% Synthetic Fibers<br>5% Cellulose |
| **Sample Composite Homogeneity:** | Poor |



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.
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Date of Report: 01-19-2023

## ASBESTOS PLM REPORT

**Location: 37C, Roof, Main Field, PVC; Roof, SE**

Lab ID-Version‡: 15167922-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray/Black Roofing Material | ND |
| White Semi-Fibrous Material | ND |
| Yellow Glue | ND |
| Yellow Foam | ND |
| **Composite Non-Asbestos Content:** | 20% Glass Fibers<br>10% Synthetic Fibers<br>5% Cellulose |
| **Sample Composite Homogeneity:** | Poor |



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.
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## ASBESTOS PLM REPORT

**Location: 38A, Exterior Stucco Wall; East Side, N Wall at Roof Level** Lab ID-Version‡: 15167923-1

| Sample Layers | Asbestos Content |
|---|---|
| Beige Stucco | ND |
| Gray Stucco | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 38B, Exterior Stucco Wall; East Side, W Wall at Roof Level** Lab ID-Version‡: 15167924-1

| Sample Layers | Asbestos Content |
|---|---|
| Beige Stucco | ND |
| Gray Stucco | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 38C, Exterior Stucco Wall; East Side, S Wall at Roof Level** Lab ID-Version‡: 15167925-1

| Sample Layers | Asbestos Content |
|---|---|
| Beige Stucco | ND |
| Gray Stucco | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 38D, Exterior Stucco Wall; South Side, W Wall** Lab ID-Version‡: 15167926-1

| Sample Layers | Asbestos Content |
|---|---|
| Beige Stucco | ND |
| Gray Stucco | ND |
| **Sample Composite Homogeneity:** | Good |



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.
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Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; Engineering Technology (ET Bldg)

Date of Sampling: 01-11-2023 and 01-16-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## ASBESTOS PLM REPORT

**Location: 38E, Exterior Stucco Wall; South Side, E Wall** Lab ID-Version‡: 15167927-1

| Sample Layers | Asbestos Content |
|---|---|
| Beige Stucco | ND |
| Gray Stucco | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 39A, Roof Sheet Metal Sealant, Gray; Roof, North Perimeter** Lab ID-Version‡: 15167928-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 39B, Roof Sheet Metal Sealant, Gray; Roof, South Perimeter** Lab ID-Version‡: 15167929-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 39C, Roof Sheet Metal Sealant, Gray; Roof, East Perimeter** Lab ID-Version‡: 15167930-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sealant | ND |
| **Sample Composite Homogeneity:** | Good |



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.
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## ASBESTOS PLM REPORT

**Location: 40A, Silver Paint on Roof Pipe Conduit; Roof, N** Lab ID-Version‡: 15167931-1

| Sample Layers | Asbestos Content |
|---|---|
| Silver Paint | ND |
| Black Tar | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 40B, Silver Paint on Roof Pipe Conduit; Roof, SW** Lab ID-Version‡: 15167932-1

| Sample Layers | Asbestos Content |
|---|---|
| Silver Paint | ND |
| Black Tar | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 40C, Silver Paint on Roof Pipe Conduit; Roof, E** Lab ID-Version‡: 15167933-1

| Sample Layers | Asbestos Content |
|---|---|
| Silver Paint | ND |
| Black Tar | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 41A, Gray VSF with Mastic; Womens Restroom** Lab ID-Version‡: 15167934-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sheet Flooring | ND |
| Yellow Mastic | ND |
| **Sample Composite Homogeneity:** | Good |



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.
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## ASBESTOS PLM REPORT

**Location: 41B, Gray VSF with Mastic; Womens Restroom** Lab ID-Version‡: 15167935-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sheet Flooring | ND |
| Yellow Mastic | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 41C, Gray VSF with Mastic; Womens Restroom** Lab ID-Version‡: 15167936-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sheet Flooring | ND |
| Yellow Mastic | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 42A, Roof, Main, Roof, Shingles; South Side Bldg., Main Field** Lab ID-Version‡: 15167937-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Roofing Shingle with Pebbles 1 | ND |
| Black Roofing Shingle with Pebbles 2 | ND |
| Black Roofing Felt 1 | ND |
| Black Roofing Felt 2 | ND |
| Black Roofing Felt 3 | ND |
| **Composite Non-Asbestos Content:** | 30% Glass Fibers<br>25% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Location: 42B, Roof, Main, Roof, Shingles; South Side Bldg., Main Field** Lab ID-Version‡: 15167938-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Roofing Shingle with Pebbles 1 | ND |
| Black Roofing Shingle with Pebbles 2 | ND |
| Black Roofing Felt 1 | ND |
| Black Roofing Felt 2 | ND |
| **Composite Non-Asbestos Content:** | 30% Glass Fibers<br>25% Cellulose |
| **Sample Composite Homogeneity:** | Good |



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.
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Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; Engineering Technology (ET Bldg)

Date of Sampling: 01-11-2023 and 01-16-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## ASBESTOS PLM REPORT

**Location: 42C, Roof, Main, Roof, Shingles; South Side Bldg., Main Field** Lab ID-Version‡: 15167939-1

| Sample Layers | Asbestos Content |
|---|---|
| Black Roofing Shingle with Pebbles 1 | ND |
| Black Roofing Shingle with Pebbles 2 | ND |
| Black Roofing Felt 1 | ND |
| Black Roofing Felt 2 | ND |
| **Composite Non-Asbestos Content:** | 30% Glass Fibers<br>25% Cellulose |
| **Sample Composite Homogeneity:** | Good |

**Location: 43A, Exterior, Wood Siding Wall Sealant; East Bldg., Exterior Siding** Lab ID-Version‡: 15167940-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 43B, Exterior, Wood Siding Wall Sealant; East Bldg., Exterior Siding** Lab ID-Version‡: 15167941-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sealant | ND |
| **Sample Composite Homogeneity:** | Good |

**Location: 43C, Exterior, Wood Siding Wall Sealant; East Bldg., Exterior Siding** Lab ID-Version‡: 15167942-1

| Sample Layers | Asbestos Content |
|---|---|
| Gray Sealant | ND |
| **Sample Composite Homogeneity:** | Good |



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003136431

Terracon

***E-MAIL REPORT TO: *SEE BELOW PROJECT MANAGER (PM)****

☑ PM – S. Steiner spsteiner@terracon.com
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**ACM BULK SAMPLE DATA SHEET**

☑ PLM Analysis (Analyze all samples)
☐ Stop Analysis at First Positive
☐ Point Count Analysis (400-point)

**Project Name/ Address/ Building No.** ENGINEERING TECHNOLOGY (ET BLDG)

**Project#** R1227901 **Sampled By:** MR & CM **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ ASB TEM ☑ EMLAB ☐ Other

**TAT** ☐ Rush ☐ 24HRS ☑ 48HR ☐ 3-5 days

| | |
|---|---|
| **HM# 01** | **Material Description** CARPET GLUE (YELLOW) |
| **Sample ID** | **Sample Location & Material Location** **Quantity:** |
| 1A | CONF. ROOM 104 |
| 1B | ROOM 102 |
| 1C | CONF. ROOM 124 - EAST NEAR MACHINE SHOP |
| **HM# 02** | **Material Description:** 12" CORK ACOUSTICAL DOOR TILE W/ YELLOW GLUE |
| **Sample ID** | **Sample Location & Material Location** **Quantity:** |
| 2A | CONF ROOM 104 - SW CORNER DOOR |
| 2B | " " |
| 2C | " " |
| **HM# 03** | **Material Description:** 12" LIME GREEN VCT WITH YELLOW GLUE. |
| **Sample ID** | **Sample Location & Material Location** **Quantity:** 135 SQFT |
| 3A | ROOM 109 - SW CORNER |
| 3B | " - CENTER |
| 3C | " - EAST SIDE |
| **HM# 04** | **Material Description:** WHITE SEALANT - ON DOOR FRAME/DOOR SEAM |
| **Sample ID** | **Sample Location & Material Location** **Quantity:** |
| 4A | CONF ROOM 104 - SW CORNER |
| 4B | " " - SW CORNER |
| | |
| **HM# 05** | **Material Description:** BLACK WINDOW GLAZE (PUTTY) GLASS TO FRAME |
| **Sample ID** | **Sample Location & Material Location** **Quantity:** |
| 5A | ROOM #100 - LOBBY - (S) SIDE STORE FRONT WINDOW |
| 5B | LAB ROOM #107 |
| 5C | |

**Relinquished By:** M. REED **Signature:** M. Reed **Date/Time:** 1-16-2023
**Received By:** **Signature:** **Date/ Time:** JAN 17 2023 095
**Relinquished By:** EZRA RINNAN **Signature:** **Date/Time:**
**Received By:** **Signature:** **Date/Time:**

Terracon

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- ☐ denise.wallen@terracon.com Engineering Assistant
- ☐ eric.dyer@terracon.com Engineering Assistant

**ACM BULK SAMPLE DATA SHEET**

2

- ☑ PLM Analysis (Analyze all samples)
- ☐ Stop Analysis at First Positive
- ☐ Point Count Analysis (400-point)

**Project Name/ Address/ Building No.** DVC - ET BLDG.

**Project#** R1227901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ ASB TEM ☐ EMLAB ☐ Other

**TAT** ☐ Rush ☐ 24HRS ☒ 48HR ☐ 3-5 days

| HM# | Material Description | Quantity: |
|---|---|---|
| 01 | CONTINUE HM #01 - CARPET BLUE YELLOW | |
| Sample ID | Sample Location & Material Location | |
| 1D | ROOM # 108 LAB - SW | |
| 1E | CORRIDOR HALL - NEAR RR | |
| | | |
| HM# 06 | Material Description: BLACK SEALANT - ASSOCIATED WITH METAL WALL | |
| Sample ID | Sample Location & Material Location | Quantity: FRAMES |
| 6A | ROOM # 104B - OFFICE PARTITION WALL - FRAME TO FRAME | |
| 6B | ROOM # 104C - | |
| 6C | ROOM # 124C - | |
| HM# 07 | Material Description: 6" COVE BASE - WITH YELLOW & BROWN GLUE | |
| Sample ID | Sample Location & Material Location BR | Quantity: |
| 7A | ROOM # 104 - CONF. | |
| 7B | HALLWAY OUTSIDE RM #104 & NEAR LOBBY | |
| 7C | ROOM # 124 - (E) WALL | |
| HM# 08 | Material Description: 1" BLUE CFT - GROUT & MORTAR | |
| Sample ID | Sample Location & Material Location | Quantity: |
| 8A | WOMENS RESTROOM FLOOR | |
| 8B | WOMENS RESTROOM | |
| 8C | MENS RESTROOM | |
| HM# 09 | Material Description: 1" BLUE CUT - GROUT & YELLOW GLUE | |
| Sample ID | Sample Location & Material Location | Quantity: |
| 9A | WOMENS RESTROOM | |
| 9B | ~~WOMENS~~ RESTROOM - MENS | |
| 9C | MENS RESTROOM | |

| | | | | | |
|---|---|---|---|---|---|
| **Relinquished By:** | M. REED | **Signature:** | M. Reed | **Date/Time:** | 1-16-2023 |
| **Received By:** | EZRA RINNAN | **Signature:** | | **Date/ Time:** | JAN 17 2023 0958 |
| **Relinquished By:** | | **Signature:** | | **Date/Time:** | |
| **Received By:** | | **Signature:** | | **Date/Time:** | |

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

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| ☐ PM- D. Block David.block@terracon.com | ☐ denise.wallen@terracon.com Engineering Assistant | ☐ eric.dyer@terracon.com Engineering Assistant |

**ACM BULK SAMPLE DATA SHEET** 3

☑ PLM Analysis (Analyze all samples)
☐ Stop Analysis at First Positive
☐ Point Count Analysis (400-point)

**Project Name/ Address/ Building No.** ET BLDG. - DLC

**Project#** R123T901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ ASB TEM ☑ EMLAB ☐ Other

**TAT** ☐ Rush ☐ 24HRS ☑ 48HR ☐ 3-5 days

| HM# 10 | Material Description DOOR FRAME SEALANT | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 10A | CONF RM #104 | |
| 10B | LOBBY -(S) SIDE ENTRY | |
| 10C | MACHINE SHOP | |
| **HM# 11** | **Material Description:** WOOD PANEL VARNISH COATING - BROWN | |
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 11A | HALLWAY - NEAR RM # 104 CONF | |
| 11B | LOBBY | |
| 11C | EAST SIDE CORRIDOR - NEAR RESTROOMS | |
| **HM# 12** | **Material Description:** AQUA GREEN CARPET GLUE | |
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 12A | (NE) CORRIDOR HALL - NEAR RM #122A | |
| 12B | ROOM # 122A | |
| 12C | ROOM # 122B | |
| **HM# 13** | **Material Description:** BEIGE PAINT FLOOR COVERING | |
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 13A | MACHINE SHOP - (N) | |
| 13B | - CENTER | |
| 13C | - (S) | |
| **HM# 14** | **Material Description:** BRICK WALL & GROUT | |
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 14A | LOBBY -(E) WALL | |
| 14B | CONF. RM # 104 -(N) WALL | |
| 14C | WEST SIDE CORRIDOR HALL AT ENTRY | |

| | | | | | |
|---|---|---|---|---|---|
| **Relinquished By:** | M. REED | **Signature:** | M. REED | **Date/Time:** | 1-16-2023 |
| **Received By:** | EZRA RINNAN | **Signature:** | | **Date/ Time:** | JAN 17 2023 0958 |
| **Relinquished By:** | | **Signature:** | | **Date/Time:** | |
| **Received By:** | | **Signature:** | | **Date/Time:** | |



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| ☐ PM- M. Benefield msbenefield@terracon.com | ☐ PM – T. Kattchee takattchee@terracon.com | ☐ PM – W. Frieszell wmfrieszell@terracon.com |
| ☐ PM- D. Block David.block@terracon.com | ☐ denise.wallen@terracon.com Engineering Assistant | ☐ eric.dyer@terracon.com Engineering Assistant |

**ACM BULK SAMPLE DATA SHEET**

☑ PLM Analysis (Analyze all samples)
☐ Stop Analysis at First Positive
☐ Point Count Analysis (400-point)

4

**Project Name/ Address/ Building No.** DVC - ET BLDG.

**Project#** R1227901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ ASB TEM ☐ EMLAB ☐ Other

**TAT** ☐ Rush ☐ 24HRS ☒ 48HR ☐ 3-5 days

| HM# 15 | Material Description: LIGHT GRAY SINK UNDER COAT | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 15A | LAB RM # 107 - (S) SIDE | |
| 15B | ↓ | |
| | | |

| HM# 16 | Material Description: SILVER SINK UNDER COAT | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 16A | MACHINE SHOP - (S) SIDE | |
| 16B | ↓ | |
| | | |

| HM# 17 | Material Description: 4" BROWN COVE BASE WITH BROWN GLUE | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 17A | MECHANICAL ROOM | |
| 17B | ↓ | |
| | | |

| HM# 18 | Material Description: 2'X4' WHITE PINHOLE FISSURE ACT | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 18A | Room # 107 | |
| 18B | Room # 108 | |
| 18C | Room # 109 | |

| HM# 19 | Material Description: MODULAR TACK BOARD WITH YELLOW ADHESIVE | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 19A | CONF. ROOM 104 (NW) | |
| 19B | ↓ (N) | |
| 19C | ↓ (S) | |

| | | | | | |
|---|---|---|---|---|---|
| **Relinquished By:** | M. REED | **Signature:** | M. Reed | **Date/Time:** | 1-16-2023 |
| **Received By:** | EZRA RINNAN | **Signature:** | | **Date/ Time:** | JAN 17 2023 0958 |
| **Relinquished By:** | | **Signature:** | | **Date/Time:** | |
| **Received By:** | | **Signature:** | | **Date/Time:** | |



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***E-MAIL REPORT TO: *SEE BELOW PROJECT MANAGER (PM)****

| | | |
|---|---|---|
| ☑ PM – S. Steiner spsteiner@terracon.com | ☐ PM – K. Schroeter kmschroeter@terracon.com | ☐ PM – K. Pilgrim kmpilgrim@terracon.com |
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| ☐ PM- D. Block David.block@terracon.com | ☐ denise.wallen@terracon.com Engineering Assistant | ☐ eric.dyer@terracon.com Engineering Assistant |

**ACM BULK SAMPLE DATA SHEET**

☑ PLM Analysis (Analyze all samples)
☐ Stop Analysis at First Positive
☐ Point Count Analysis (400-point)

5

**Project Name/ Address/ Building No.** DVC - ET BLDG.

**Project#** R1227901 **Sampled By:** MR & CM **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ ASB TEM ☑ EMLAB ☐ Other

**TAT** ☐ Rush ☐ 24HRS ☑ 48HR ☐ 3-5 days

| HM# 20 | Material Description: DRYWALL WITH JOINT COMP. & OP TEXTURE | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 20A | CORRIDOR HALL | |
| 20B | ROOM # 122 B | |
| 20C | ROOM # 122 A | |

| HM# 21 | Material Description: OP TEXTURE ON DRYWALL | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 21A | CORRIDOR HALL - NW | |
| 21B | CORRIDOR HALL - NE | |
| 21C | ROOM # 122 B - S | |

| HM# 21 | Material Description: CONTINUE HM# 21 | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 21D | ROOM # 122A NE | |
| 21E | ROOM # 122A S | |
| | | |

| HM# 22 | Material Description: BLUE WALL BOARD PANELS ASSOCIATED W/ OFFICES | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 22A | ROOM # 104 A | |
| 22B | ROOM # 107 AT # # 104 C PARTITION | |
| 22C | MACHINE LAB AT # 123 E | |

| HM# 23 | Material Description: YELLOW GLUE ON BRICK WALL WOOD BRACE | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 23A | ROOM # 107 - WEST WALL | |
| 23B | | |
| 23C | | |

| | | | | | |
|---|---|---|---|---|---|
| **Relinquished By:** | M. REED | **Signature:** | M. Reed | **Date/Time:** | 1-16-2023 |
| **Received By:** | EZRA RINNAN | **Signature:** | | **Date/ Time:** | JAN 17 2023 0958 |
| **Relinquished By:** | | **Signature:** | | **Date/Time:** | |
| **Received By:** | | **Signature:** | | **Date/Time:** | |



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| | | |
|---|---|---|
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| ☐ PM- D. Block David.block@terracon.com | ☐ denise.wallen@terracon.com Engineering Assistant | ☐ eric.dyer@terracon.com Engineering Assistant |

**ACM BULK SAMPLE DATA SHEET**

☑ PLM Analysis (Analyze all samples)
☐ Stop Analysis at First Positive
☐ Point Count Analysis (400-point)

6

**Project Name/ Address/ Building No.** DVC – ET BLDG.

**Project#** R1227901 **Sampled By:** MR & CM **Sampling Date:** 1-4-2023

**Sample(s) sent to:** ☐ MAL ☐ ASB TEM ☑ EMLAB ☐ Other

**TAT** ☐ Rush ☐ 24HRS ☑ 48HR ☐ 3-5 days

| HM# 24 | Material Description: DRYWALL WITH JOINT COMP & TEXTURE WEST SIDE ROOMS | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 24A | Room # 114 | |
| 24B | T.V. LAB - N | |
| 24C | T.V. LAB. - SW | |
| **HM# 25** | **Material Description:** TEXTURE ON DRYWALL (WEST SIDE ROOMS) | |
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 25A | Room #114 - N | |
| 25B | T.V. LAB - S | |
| 25C | T.V. LAB - S | |
| **HM# 26** | **Material Description:** CARPET GLUES - WEST SIDE ROOMS | |
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 26A | ROOM #112 AT THRESHOLD | |
| 26B | | |
| 26C | | |
| **HM# 27** | **Material Description:** WHITE COATING ON CONCRETE WALL | |
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 27A | ROOM SUB GRADE T.V. LAB - E WALL | |
| 27B | | |
| 27C | | |
| **HM# 11** | **Material Description:** CONTINUE HM# 11 BROWN VARNISH | |
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 11D | NORTH BLDG. - RM # 120B | |
| 11E | " - RM # 120A | |
| | | |

| | | | | | |
|---|---|---|---|---|---|
| **Relinquished By:** | M. REED | **Signature:** | M. Reed | **Date/Time:** | 1-16-2023 |
| **Received By:** | EZRA RINNAN | **Signature:** | | **Date/ Time:** | JAN 17 2023 0958 |
| **Relinquished By:** | | **Signature:** | | **Date/Time:** | |
| **Received By:** | | **Signature:** | | **Date/Time:** | |

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

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Terracon

***E-MAIL REPORT TO: *SEE BELOW PROJECT MANAGER (PM)****

☑ PM – S. Steiner spsteiner@terracon.com
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**ACM BULK SAMPLE DATA SHEET**

☑ PLM Analysis (Analyze all samples)
☐ Stop Analysis at First Positive
☐ Point Count Analysis (400-point)

7

**Project Name/ Address/ Building No.** DLC - ET BLDG.

**Project#** R1227901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ ASB TEM ☒ EMLAB ☐ Other

**TAT** ☐ Rush ☐ 24HRS ☒ 48HR ☐ 3-5 days

| HM# 28 | Material Description BROWN EPOXY FLOOR COVER | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 28A | (N) BLDG. - RM #120 | |
| 28B | = | |
| 28C | = | |

| HM# 01 | Material Description: CONTINUE HM#01 CARPET GLUE | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 1F | (N) BLDG. - RM # 116 | |
| 1G | (N) BLDG. - RM # 119 | |
| | | |

| HM# 29 | Material Description: TEXTURE ON DRYWALL - NORTH SIDE OFFICES | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 29A | (N) BLDG - RM # 116C | |
| 29B | = RM # 116E | |
| 29C | = RM # 116D | |

| HM# 30 | Material Description: DRYWALL WITH JOINT COMP & TEXT. ~~(N) SIDE OFFICES~~ | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** (N) OFFICES |
| 30A | RM # 116C | |
| 30B | RM # 116E | |
| 30C | RM # 116D | |

| HM# 31 | Material Description: CONCRETE - SLAB FLOOR | |
|---|---|---|
| **Sample ID** | **Sample Location & Material Location** | **Quantity:** |
| 31A | LOBBY | |
| 31B | RM # 104 AT (N) ENTRY | |
| 31C | SURVEY STORE ROOM | |

| | | | | | |
|---|---|---|---|---|---|
| **Relinquished By:** | M. REED | **Signature:** | M. Reed | **Date/Time:** | 1-16-2023 |
| **Received By:** | EZRA RINNAN | **Signature:** | | **Date/ Time:** | JAN 17 2023 0951 |
| **Relinquished By:** | | **Signature:** | | **Date/Time:** | |
| **Received By:** | | **Signature:** | | **Date/Time:** | |



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**ACM BULK SAMPLE DATA SHEET**

☑ PLM Analysis (Analyze all samples)
☐ Stop Analysis at First Positive
☐ Point Count Analysis (400-point)

8

**Project Name/ Address/ Building No.** DVC - ET BLDG.

**Project#** R122 7901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ ASB TEM ☒ EMLAB ☐ Other

**TAT** ☐ Rush ☐ 24HRS ☒ 48HR ☐ 3-5 days

| HM# 32 | Material Description 2'X6' WHITE PINHOLE & FISSURES ACT | |
|---|---|---|
| Sample ID | Sample Location & Material Location | Quantity: |
| 32A | (N) SIDE - RM #116 | |
| 32B | " - RM #116B | |
| 32C | " - T&C LAB. | |
| HM# 33 | Material Description: DRYWALL WITH JOINT COMPOUND (SMOOTH) | |
| Sample ID | Sample Location & Material Location | Quantity: |
| 33A | MECHANICAL RM #110 | |
| 33B | RM #110A CUSTODIAN | |
| 33C | RESTROOM MENS - AT LOCKERS | |
| HM# 33 | Material Description: CONTINUE HM # 33 | |
| Sample ID | Sample Location & Material Location | Quantity: |
| 33D | MENS RESTROOM CEILING | |
| 33E | WOMENS RESTROOM CEILING (HALL) | |
| | | |
| HM# 34 | Material Description: 4" BLACK COVE BASE W/ YELLOW & BROWN GLUE | |
| Sample ID | Sample Location & Material Location | Quantity: |
| 34A | Room # 100A | |
| 34B | Room # 124 | |
| 34C | MACHINE LAB # 123 | |
| HM# 35 | Material Description: BLACK SINK UNDER COAT | |
| Sample ID | Sample Location & Material Location | Quantity: |
| 35A | ROOM # 120B | |
| 35B | Room # 120B | |
| | | |

| | | | | | |
|---|---|---|---|---|---|
| **Relinquished By:** | M. REED | **Signature:** | M. Reed | **Date/Time:** | 1-16-2023 |
| **Received By:** | EZRA RINNAN | **Signature:** | | **Date/ Time:** | JAN 17 2023 0958 |
| **Relinquished By:** | | **Signature:** | | **Date/Time:** | |
| **Received By:** | | **Signature:** | | **Date/Time:** | |



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- ☐ eric.dyer@terracon.com Engineering Assistant

**ACM BULK SAMPLE DATA SHEET**

- ☑ PLM Analysis (Analyze all samples)
- ☐ Stop Analysis at First Positive
- ☐ Point Count Analysis (400-point)

9

Project Name/ Address/ Building No. DVC - ET BLDG.

Project# R1227901 Sampled By: M. REED Sampling Date: 1-11-2023

Sample(s) sent to: ☐ MAL ☐ ASB TEM ☐ EMLAB ☐ Other

TAT ☐ Rush ☐ 24HRS ☐ 48HR ☐ 3-5 days

| HM# 36 | Material Description: CONCRETE SLAB - COURTYARD |
|---|---|
| Sample ID | Sample Location & Material Location — Quantity: |
| 36A | COURTYARD - SLAB - (N) |
| 36B | - (CENTER) |
| 36C | - (E) |

| HM# 37 | Material Description: ROOF - MAIN FIELD - PVC |
|---|---|
| Sample ID | Sample Location & Material Location — Quantity: |
| 37A | ROOF (N) |
| 37B | ROOF (SW) |
| 37C | ROOF - (SE) |

| HM# 38 | Material Description: EXTERIOR STUCCO WALL |
|---|---|
| Sample ID | Sample Location & Material Location — Quantity: |
| 38A | EAST SIDE - (N) WALL AT ROOF LEVEL |
| 38B | " " - (W) WALL |
| 38C | EAST SIDE - (S) WALL |

| HM# 38 | Material Description: CONTINUE HM # 38 |
|---|---|
| Sample ID | Sample Location & Material Location — Quantity: |
| 38D | SOUTH SIDE - (W) WALL |
| 38E | " " - (E) WALL |
| | |

| HM# 39 | Material Description: ROOF SHEET METAL SEALANT (GREY) |
|---|---|
| Sample ID | Sample Location & Material Location — Quantity: |
| 39A | ROOF - NORTH PERIMETER |
| 39B | ROOF - SOUTH |
| 39C | ROOF - EAST |

| | | | | | |
|---|---|---|---|---|---|
| Relinquished By: | M. REED | Signature: | M. R | Date/Time: | 1-16-2023 |
| Received By: | EZRA RINNAN | Signature: | | Date/ Time: | JAN 17 2023 095 |
| Relinquished By: | | Signature: | | Date/Time: | |
| Received By: | | Signature: | | Date/Time: | |

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- ☐ eric.dyer@terracon.com Engineering Assistant

**ACM BULK SAMPLE DATA SHEET**

- ☑ PLM Analysis (Analyze all samples)
- ☐ Stop Analysis at First Positive
- ☐ Point Count Analysis (400-point)

to

Project Name/ Address/ Building No. DVC – ET BLDG.

Project# R1227901 Sampled By: M. REED Sampling Date: 1-11-2023

Sample(s) sent to: ☐ MAL ☐ ASB TEM ☒ EMLAB ☐ Other

TAT ☐ Rush ☐ 24HRS ☒ 48HR ☐ 3-5 days

| HM# 40 | Material Description: SILVER PAINT ON ROOF PIPE CONDUIT | |
|---|---|---|
| Sample ID | Sample Location & Material Location | Quantity: |
| 40A | ROOF (N) | |
| 40B | ROOF (SW) | |
| 40C | ROOF (E) | |

| HM# 41 | Material Description: GRAY VSF W/ MASTIC | |
|---|---|---|
| Sample ID | Sample Location & Material Location | Quantity: |
| 41A | WOMENS RESTROOM – | |
| 41B | – | |
| 41C | – | |

| HM# 42 | Material Description: ROOF – MAIN – ROOF – SHINGLES | |
|---|---|---|
| Sample ID | Sample Location & Material Location | Quantity: |
| 42A | SOUTH SIDE BLDG. – MAIN FIELD | |
| 42B | ↓ | |
| 42C | ↓ | |

| HM# 43 | Material Description: EXTERIOR – WOOD SIDING WALL SEALANT | |
|---|---|---|
| Sample ID | Sample Location & Material Location | Quantity: |
| 43A | EAST BLDG. – EXTERIOR SIDING | |
| 43B | – | |
| 43C | – | |

| HM# | Material Description: | |
|---|---|---|
| Sample ID | Sample Location & Material Location | Quantity: |
| | | |
| | | |
| | | |

Relinquished By: M. REED Signature: M. Reed Date/Time: 1-16-2023

Received By: EZRA RINNAN Signature: Date/ Time: JAN 17 2023 0951

Relinquished By: Signature: Date/Time:

Received By: Signature: Date/Time:

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

003136431

eurofins | Built Environment Testing

Report for:

**Mr. Steff Steiner**
**Terracon Consultants, Inc.-Oakland**
1220 Concord Avenue
Suite 450
Concord, CA 94520

---

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: R1227901; Engineering Technology (ET Bldg)
EML ID: 3136431

Approved by:

Approved Signatory
Danny Li

Dates of Analysis:
Asbestos-EPA 400 point count: 01-24-2023

Service SOPs: Asbestos-EPA 400 point count (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1262)
NVLAP Lab Code 200757-0

---

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

**Eurofins EPK Built Environment Testing, LLC**
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(866) 888-6653 www.eurofinsus.com/Built

Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; Engineering Technology (ET Bldg)

Date of Sampling: 01-11-2023
Date of Receipt: 01-17-2023
Date of Report: 01-24-2023

## ASBESTOS POINT COUNT REPORT

| Location: | 33A<br>Drywall with Joint Compound, Smooth; Mechanical Rm #110 | | |
|---|---|---|---|
| Total Points Counted: | 400 | | |
| Lab ID-Version‡: | 15187308-1 | | |
| **Sample Layers** | **Asbestos Type** | **Asbestos Points Counted** | **Asbestos Concentration (%)** |
| White Joint Compound and Drywall Composite | Chrysotile | 1 | 0.25 |
| **Layer Totals:** | | 1 | 0.25 |

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

| Location: | 33B<br>Drywall with Joint Compound, Smooth; Rm #110A Custodian | | |
|---|---|---|---|
| Total Points Counted: | 400 | | |
| Lab ID-Version‡: | 15187309-1 | | |
| **Sample Layers** | **Asbestos Type** | **Asbestos Points Counted** | **Asbestos Concentration (%)** |
| White Joint Compound and Drywall Composite | Chrysotile | 0 | < 0.25 |
| **Layer Totals:** | | 0 | NA |

**Comments:** Asbestos was detected, but no points counted. Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

| Location: | 33D<br>Drywall with Joint Compound, Smooth; Mens Restroom Ceiling | | |
|---|---|---|---|
| Total Points Counted: | 400 | | |
| Lab ID-Version‡: | 15187310-1 | | |
| **Sample Layers** | **Asbestos Type** | **Asbestos Points Counted** | **Asbestos Concentration (%)** |
| White Joint Compound with Drywall Composite | Chrysotile | 2 | 0.5 |
| **Layer Totals:** | | 2 | 0.5 |

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

The analytical sensitivity is 1 asbestos point. The limit of detection is 1 asbestos point divided by the total number of points counted and multiplied by 100.



All samples were received in acceptable condition unless otherwise noted. The Company 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.
Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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

**Eurofins EPK Built Environment Testing, LLC**
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(866) 888-6653 www.eurofinsus.com/Built

Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; Engineering Technology (ET Bldg)

Date of Sampling: 01-11-2023
Date of Receipt: 01-17-2023
Date of Report: 01-24-2023

## ASBESTOS POINT COUNT REPORT

| Location: | 33E<br>Drywall with Joint Compound, Smooth; Womens Restroom Ceiling, Hall | | |
|---|---|---|---|
| Total Points Counted: | 400 | | |
| Lab ID-Version‡: | 15187311-1 | | |
| **Sample Layers** | **Asbestos Type** | **Asbestos Points Counted** | **Asbestos Concentration (%)** |
| White Joint Compound with Drywall Composite | Chrysotile | 1 | 0.25 |
| **Layer Totals:** | | 1 | 0.25 |

**Comments:** Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

The analytical sensitivity is 1 asbestos point. The limit of detection is 1 asbestos point divided by the total number of points counted and multiplied by 100.

The results relate only to the items tested. Interpretation is left to the company and/or persons who conducted the field work. 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 any agency of the federal government.

All samples were received in acceptable condition unless otherwise noted. The Company 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.
Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.

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

# APPENDIX C

# LEAD ANALYTICAL LABORATORY DATA

eurofins | Built Environment Testing

Report for:

**Mr. Steff Steiner**
**Terracon Consultants, Inc.-Oakland**
1220 Concord Avenue
Suite 450
Concord, CA 94520

Regarding: Eurofins EPK Built Environment Testing, LLC
Project: R1227901; DVC-ET Bldg
EML ID: 3136447

Approved by:

Laboratory Manager
Danny Li

Dates of Analysis:
Lead - Flame AA: 01-19-2023

Service SOPs: Lead - Flame AA (EM-BC-S-8443)
AIHA-LAP, LLC accredited service, Lab ID #178697

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the samples as received and tested. Sample size, as it relates to Wipe samples only, is supplied by the client.

Eurofins EPK Built Environment Testing, LLC ("the Company"), a member of the Eurofins Built Environment Testing group of companies, 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.
Eurofins EPK Built Environment Testing, LLC's LabServe® reporting system includes automated fail-safes to ensure that all AIHA-LAP, LLC quality requirements are met and notifications are added to reports when any quality steps remain pending.

**Eurofins EPK Built Environment Testing, LLC**
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(866) 888-6653 www.eurofinsus.com/Built

Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; DVC-ET Bldg

Date of Sampling: 01-11-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

| Location: | Pb-1: White, Wood | Pb-2: White, Fiber Board | Pb-3: Blue, Concrete | Pb-4: Brown, Wood |
|---|---|---|---|---|
| Comments (see below) | None | None | None | None |
| Lab ID-Version‡: | 15165839-1 | 15165840-1 | 15165841-1 | 15165842-1 |
| Analysis Date: | 01/19/2023 | 01/19/2023 | 01/19/2023 | 01/19/2023 |
| Sample type | Paint Chip sample | Paint Chip sample | Bulk sample | Paint Chip sample |
| Method* | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified |
| † Method Reporting Limit | 38 ppm | 39 ppm | 40 ppm | 39 ppm |
| Sample size | 0.2599 grams | 0.2597 grams | 0.2523 grams | 0.2571 grams |
| §Total Lead Result | 1800 ppm | < 39 ppm | < 40 ppm | 5600 ppm |

**Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.

† The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.

§ Total Lead Result has been rounded to two significant figures to reflect analytical precision.

‡ 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".

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Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; DVC-ET Bldg

Date of Sampling: 01-11-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

| Location: | Pb-5: Beige, Concrete | Pb-6: Off-White, Drywall | Pb-7: White, Drywall | Pb-8: Dark Green, Metal |
|---|---|---|---|---|
| Comments (see below) | None | None | None | None |
| Lab ID-Version‡: | 15165843-1 | 15165844-1 | 15165845-1 | 15165846-1 |
| Analysis Date: | 01/19/2023 | 01/19/2023 | 01/19/2023 | 01/19/2023 |
| Sample type | Paint Chip sample | Paint Chip sample | Paint Chip sample | Paint Chip sample |
| Method* | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified |
| † Method Reporting Limit | 38 ppm | 39 ppm | 40 ppm | 43 ppm |
| Sample size | 0.2599 grams | 0.2593 grams | 0.2502 grams | 0.2337 grams |
| §Total Lead Result | 680 ppm | 1300 ppm | < 40 ppm | 14000 ppm |

**Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.

† The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.

§ Total Lead Result has been rounded to two significant figures to reflect analytical precision.

‡ 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".

**Eurofins EPK Built Environment Testing, LLC**
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Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; DVC-ET Bldg

Date of Sampling: 01-11-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

| Location: | Pb-9: White, Concrete | Pb-10: Dark Grey, Metal | Pb-11: Gray, Concrete | Pb-12: Pink, Drywall |
|---|---|---|---|---|
| Comments (see below) | None | None | None | None |
| Lab ID-Version‡: | 15165847-1 | 15165848-1 | 15165849-1 | 15165850-1 |
| Analysis Date: | 01/19/2023 | 01/19/2023 | 01/19/2023 | 01/19/2023 |
| Sample type | Paint Chip sample | Paint Chip sample | Paint Chip sample | Paint Chip sample |
| Method* | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified |
| † Method Reporting Limit | 40 ppm | 40 ppm | 39 ppm | 53 ppm |
| Sample size | 0.2509 grams | 0.2524 grams | 0.2593 grams | 0.1871 grams |
| §Total Lead Result | < 40 ppm | 26000 ppm | < 39 ppm | 55 ppm |

**Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.

† The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.

§ Total Lead Result has been rounded to two significant figures to reflect analytical precision.

‡ 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".

**Eurofins EPK Built Environment Testing, LLC**
2841 Dow Avenue, Suite 300, Tustin, CA 92780
(866) 888-6653 www.eurofinsus.com/Built

Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; DVC-ET Bldg

Date of Sampling: 01-11-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

| Location: | Pb-13: Orange, Metal | Pb-14: Dark Brown, Metal | Pb-15: Gray, Metal | Pb-16: Green, Wood |
|---|---|---|---|---|
| Comments (see below) | None | None | None | None |
| Lab ID-Version‡: | 15165851-1 | 15165852-1 | 15165853-1 | 15165854-1 |
| Analysis Date: | 01/19/2023 | 01/19/2023 | 01/19/2023 | 01/19/2023 |
| Sample type | Paint Chip sample | Paint Chip sample | Paint Chip sample | Paint Chip sample |
| Method* | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified |
| † Method Reporting Limit | 74 ppm | 40 ppm | 39 ppm | 40 ppm |
| Sample size | 0.1355 grams | 0.2522 grams | 0.2576 grams | 0.2526 grams |
| §Total Lead Result | 60000 ppm | 110000 ppm | 7900 ppm | < 40 ppm |

**Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.

† The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.

§ Total Lead Result has been rounded to two significant figures to reflect analytical precision.

‡ 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".

**Eurofins EPK Built Environment Testing, LLC**
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Client: Terracon Consultants, Inc.-Oakland
C/O: Mr. Steff Steiner
Re: R1227901; DVC-ET Bldg

Date of Sampling: 01-11-2023
Date of Receipt: 01-17-2023
Date of Report: 01-19-2023

## LEAD: FLAME ATOMIC ABSORPTION SPECTROMETRY

| Location: | Pb-17: Orange-Red, Metal | Pb-18: Tan, Wood | Pb-19: Red, Metal |
|---|---|---|---|
| Comments (see below) | None | None | None |
| Lab ID-Version‡: | 15165855-1 | 15165856-1 | 15165857-1 |
| Analysis Date: | 01/19/2023 | 01/19/2023 | 01/19/2023 |
| Sample type | Paint Chip sample | Paint Chip sample | Paint Chip sample |
| Method* | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified | NIOSH 7082 & EPA 7000B modified |
| † Method Reporting Limit | 39 ppm | 40 ppm | 39 ppm |
| Sample size | 0.2536 grams | 0.2511 grams | 0.2536 grams |
| §Total Lead Result | 2300 ppm | < 40 ppm | 97 ppm |

**Comments:**

Sample results have not been corrected for blank values.

Bulk samples are not covered under the AIHA-LAP, LLC service accreditation.

Wipe samples must meet ASTM E1792 criteria. Method Reporting Limits may not be valid for non-ASTM E1792 wipe samples.

*Sample preparation and analytical methods are based upon NIOSH 7082 and EPA 7000B.

† The Method Reporting Limit is the minimum concentration of Lead that the laboratory can confidently detect in the sample.

§ Total Lead Result has been rounded to two significant figures to reflect analytical precision.

‡ 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".


Terracon

***E-MAIL REPORT TO: *PROJECT MANAGER (PM)***

| | |
|---|---|
| ☐ denise.wallen@terracon.com Engineering Assistant | ☐ eric.dyer@terracon.com Engineering Assistant |
| ☒ PM – S. Steiner sjsteiner@terracon.com | ☐ PM – K. Schroeter kmschroeter@terracon.com |

| | | | | |
|---|---|---|---|---|
| ☐ PM – K. Pilgrim kmpilgrim@terracon.com | ☐ PM- M. Benefield msbenefield@terracon.com | ☐ PM – W. Frieszell wmfrieszell@terracon.com | ☐ PM – T. Kattchee takattchee@terracon.com | ☐ PM – D. Block david.block@terracon.com |

# LEAD PAINT SAMPLE DATA SHEET

* Lead Analysis

_____ Flame AA (EPA 7420) _____ TTLC

PAGE 1 OF 4

**Project Name/ Address/ Building No.** DVC - ET BLDG.

**Project#** R122.7901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ EMSL ☐ Aerobiology ☐ Quantem **Other** _____

**TAT** ☐ Rush ☐ 24HRS ☒ 48HRS ☐ 3-5 Day

| Sample ID | Paint Description and Sample Location | Condition (I/F/P) |
|---|---|---|
| Pb-1 | Paint Color: WHITE Substrate: WOOD Component: WALL<br>Sample Location: Bldg # ET Unit # _____ Room _____<br>CONF ROOM #104 - NW CORNER | I |
| Pb-2 | Paint Color: WHITE Substrate: FIBER BOARD Component: WALL<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>CONF ROOM - #104 - (W) WALL PANEL | I |
| Pb-3 | ~~Paint~~ BRICK Color: BLUE Substrate: CONCRETE Component: WALL<br>Sample Location: Bldg # _____ Unit # _____ Room _____ | F |
| Pb-4 | Paint Color: BROWN Substrate: WOOD Component: WALL<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>HALLWAY - NEAR RESTROOMS | I |
| Pb-5 | Paint Color: BEIGE Substrate: CONCRETE Component: FLOOR<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>MACHINE SHOP - (N) SIDE FLOOR | ~~NM~~ F |

**Relinquished By:** M. REED **Signature:** M. Reed **Date/Time:** 1-16-2023

**Received By:** EZRA RINNAN **Signature:** _____ **Date/ Time:** JAN 17 2023 0958

**Received By:** _____ **Signature:** _____ **Date/Time:** _____

003136447

Terracon

***E-MAIL REPORT TO: *PROJECT MANAGER (PM)****

| | | | | |
|---|---|---|---|---|
| ☐ denise.wallen@terracon.com Engineering Assistant | ☐ eric.dyer@terracon.com Engineering Assistant | | | |
| ☒ PM – S. Steiner sps[illegible]@terracon.com | ☐ PM – K. Schroeter kmschroeter@terracon.com | | | |
| ☐ PM – K. Pilgrim kmpilgrim@terracon.com | ☐ PM- M. Benefield msbenefield@terracon.com | ☐ PM – W. Frieszell wmfrieszell@terracon.com | ☐ PM – T. Kattchee takattchee@terracon.com | ☐ PM – D. Block david.block@terracon.com |

# LEAD PAINT SAMPLE DATA SHEET

* Lead Analysis

_____ Flame AA (EPA 7420) _____ TTLC



**Project Name/ Address/ Building No.** DVC - ET BLDG.

**Project#** R1227901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ EMSL ☐ Aerobiology ☐ Quantem **Other** _____

**TAT** ☐ Rush ☐ 24HRS ☒ 48HRS ☐ 3-5 Day

| Sample ID | Paint Description and Sample Location | Condition (I/F/P) |
|---|---|---|
| Pb-6 | Paint Color: OFF WHITE Substrate: DRYWALL Component: WALL<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>SW CORNER RM # 104 - ELECTRICAL | I |
| Pb-7 | Paint Color: WHITE Substrate: DRYWALL Component: WALL<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>ROOM # 122B - (S) WALL | I |
| Pb-8 | Paint Color: DARK GREEN Substrate: METAL Component: WALL FRAME<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>ROOM # 104C WALL FRAME | I |
| Pb-9 | Paint Color: WHITE Substrate: CONCRETE Component: WALL<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>T.V. LAB - (E) WALL - SUB GRADE | P |
| Pb-10 | Paint Color: DARK GREY Substrate: METAL Component: COLUMN<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>T.V. LAB - (E) SUPPORT COL. | I |

**Relinquished By:** M. REED **Signature:** M-R **Date/Time:** 1-16-2023

**Received By:** EZRA RINNAN **Signature:** _____ **Date/ Time:** JAN 17 2023 0958

**Received By:** _____ **Signature:** _____ **Date/Time:** _____

003136447

Terracon

***E-MAIL REPORT TO: *PROJECT MANAGER (PM)****

| | |
|---|---|
| ☐ denise.wallen@terracon.com Engineering Assistant | ☐ eric.dyer@terracon.com Engineering Assistant |
| ☑ PM – S. Steiner sps[illegible]er@terracon.com | ☐ PM – K. Schroeter kmschroeter@terracon.com |
| ☐ PM – K. Pilgrim kmpilgrim@terracon.com | ☐ PM- M. Benefield msbenefield@terracon.com |
| ☐ PM – W. Frieszell wmfrieszell@terracon.com | ☐ PM – T. Kattchee takattchee@terracon.com |
| ☐ PM – D. Block david.block@terracon.com | |

# LEAD PAINT SAMPLE DATA SHEET

* Lead Analysis

_____ Flame AA (EPA 7420) _____ TTLC

PAGE 3 OF 4

**Project Name/ Address/ Building No.** DVC - ET BLDG.

**Project#** R122790 1 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ EMSL ☐ Aerobiology ☐ Quantem **Other** _____

**TAT** ☐ Rush ☐ 24HRS ☒ 48HRS ☐ 3-5 Day

| Sample ID | Paint Description and Sample Location | Condition (I/F/P) |
|---|---|---|
| Pb-11 | Paint Color: GRAY Substrate: CONCRETE Component: FLOOR<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>ET NORTH BLDG. - RM # 120 B FLOOR | F |
| Pb-12 | Paint Color: PINK Substrate: DRYWALL Component: WALL<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>ET NORTH BLDG. - RM # 116C | I |
| Pb-13 | Paint Color: ORANGE Substrate: METAL Component: HVAC DUCT<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>HVAC CEILING DUCT - RM # 104 | I |
| Pb-14 | Paint Color: DARK BROWN Substrate: METAL Component: SUPPORT COL.<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>NORTH SIDE PORTICO COL. NEAR RM # 120A | I |
| Pb-15 | Paint Color: GRAY Substrate: METAL Component: DOOR<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>EXTERIOR SIDE RM # 107 | P |

**Relinquished By:** M. REED / EZRA RINNAN **Signature:** M. Reed **Date/Time:** 1-16-2023

**Received By:** _____ **Signature:** _____ **Date/ Time:** JAN 17 2023 0958

**Received By:** _____ **Signature:** _____ **Date/Time:** _____

003136447

Terracon

***E-MAIL REPORT TO: *PROJECT MANAGER (PM)****

| | | | | |
|---|---|---|---|---|
| ☐ denise.wallen@terracon.com Engineering Assistant | ☐ eric.dyer@terracon.com Engineering Assistant | | | |
| ☑ PM – S. Steiner sps[illegible]einer@terracon.com | ☐ PM – K. Schroeter kmschroeter@terracon.com | | | |
| ☐ PM – K. Pilgrim kmpilgrim@terracon.com | ☐ PM- M. Benefield msbenefield@terracon.com | ☐ PM – W. Frieszell wmfrieszell@terracon.com | ☐ PM – T. Kattchee takattchee@terracon.com | ☐ PM – D. Block david.block@terracon.com |

# LEAD PAINT SAMPLE DATA SHEET

* Lead Analysis

_____ Flame AA (EPA 7420) _____ TTLC



**Project Name/ Address/ Building No.** DLC

**Project#** R1227901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023

**Sample(s) sent to:** ☐ MAL ☐ EMSL ☐ Aerobiology ☐ Quantem **Other** _____

**TAT** ☐ Rush ☐ 24HRS ☑ 48HRS ☐ 3-5 Day

| Sample ID | Paint Description and Sample Location | Condition (I/F/P) |
|---|---|---|
| Pb-16 | Paint Color: GREEN Substrate: WOOD Component: ROOF TRIM<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>SOUTH SIDE DETACHED - LEAN TOO - | F |
| Pb-17 | Paint Color: ORANGE - RED Substrate: METAL Component: COL.<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>SUPPORT COL. EAST DETACHED SHED | F |
| Pb-18 | Paint Color: TAN Substrate: WOOD Component: WALL<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>WOOD SIDING - EAST DETACHED SHED | F |
| Pb-19 | Paint Color: RED Substrate: METAL Component: HVAC DUCT<br>Sample Location: Bldg # _____ Unit # _____ Room _____<br>(N) ROOF - CENTER HVAC WALL | I |
| | Paint Color: Substrate: Component:<br>Sample Location: Bldg # _____ Unit # _____ Room _____ | |

**Relinquished By:** M. REED EZRA RINNAN **Signature:** M. Reed **Date/Time:** 1-16-2023

**Received By:** _____ **Signature:** _____ **Date/ Time:** JAN 17 2023 0958

**Received By:** _____ **Signature:** _____ **Date/Time:** _____

# APPENDIX D

# PCB ANALYTICAL LABORATORY DATA

McCampbell Analytical, Inc.

*"When Quality Counts"*

# Analytical Report

**WorkOrder:** 2301904

**Report Created for:** Terracon

1220 Concord Avenue, Suite 450
Concord, CA 94520

**Project Contact:** Steffen Steiner
**Project P.O.:**
**Project:** R1227901; DUC-321 Golf Club RD.- ET BLDG

**Project Received:** 01/18/2023

Analytical Report reviewed & approved for release on 01/25/2023 by:

Yen Cao
Project Manager

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Terracon **WorkOrder:** 2301904

**Project:** R1227901; DUC-321 Golf Club RD.- ET BLDG

## Glossary Abbreviation

| | |
|---|---|
| %D | Serial Dilution Percent Difference |
| 95% Interval | 95% Confident Interval |
| CPT | Consumer Product Testing not NELAP Accredited |
| DF | Dilution Factor |
| DI WET | (DISTLC) Waste Extraction Test using DI water |
| DISS | Dissolved (direct analysis of 0.45 µm filtered and acidified water sample) |
| DLT | Dilution Test (Serial Dilution) |
| DUP | Duplicate |
| EDL | Estimated Detection Limit |
| ERS | External reference sample. Second source calibration verification. |
| ITEF | International Toxicity Equivalence Factor |
| LCS | Laboratory Control Sample |
| LQL | Lowest Quantitation Level |
| MB | Method Blank |
| MB % Rec | % Recovery of Surrogate in Method Blank, if applicable |
| MDL | MDL is the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results. Definition and Procedure for the Determination of the Method Detection Limit, Revision 2, 40CFR, Part 136, Appendix B, EPA 821-R-16-006, December 2016. |
| ML | Minimum Level of Quantitation |
| MS | Matrix Spike |
| MSD | Matrix Spike Duplicate |
| NA | Not Applicable |
| ND | Not detected at or above the indicated MDL or RL |
| NR | Data Not Reported due to matrix interference or insufficient sample amount. |
| PDS | Post Digestion Spike |
| PDSD | Post Digestion Spike Duplicate |
| PF | Prep Factor |
| RD | Relative Difference |
| RL | Reporting limit is the lowest level that can be reliably determined within specified limits of precision and accuracy during routine laboratory operating conditions. (The RL cannot be lower than the lowest calibration standard used in the initial calibration of the instrument and must be greater than the MDL.) |
| RPD | Relative Percent Deviation |
| RRT | Relative Retention Time |
| SPK Val | Spike Value |
| SPKRef Val | Spike Reference Value |
| SPLP | Synthetic Precipitation Leachate Procedure |
| ST | Sorbent Tube |
| TCLP | Toxicity Characteristic Leachate Procedure |
| TEQ | Toxicity Equivalents |
| TZA | TimeZone Net Adjustment for sample collected outside of MAI's UTC. |
| WET (STLC) | Waste Extraction Test (Soluble Threshold Limit Concentration) |

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Glossary of Terms & Qualifier Definitions

**Client:** Terracon **WorkOrder:** 2301904

**Project:** R1227901; DUC-321 Golf Club RD.- ET BLDG

## Analytical Qualifiers

| | |
|---|---|
| A | The reported value is determined using a "single point" calibration by GC-ECD as allowed by the method. |
| a4 | Reporting limits raised due to the sample's matrix prohibiting a full volume extraction. |
| h4 | Sulfuric acid permanganate (EPA 3665) cleanup. |

McCampbell Analytical, Inc.
*"When Quality Counts"*

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Terracon | **WorkOrder:** | 2301904 |
| **Date Received:** | 01/18/2023 10:59 | **Extraction Method:** | SW3550B/3630C |
| **Date Prepared:** | 01/18/2023 | **Analytical Method:** | SW8082 |
| **Project:** | R1227901; DUC-321 Golf Club RD.- ET BLDG | **Unit:** | mg/kg |

## Polychlorinated Biphenyls (PCBs) Aroclors w/ Column Style Clean-up

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| **PCB-1A** | **2301904-001A** | **Caulk** | **01/11/2023** | **GC22 01192328.D** | **262026** |

| Analytes | Result | Qualifiers | RL | DF | Date Analyzed |
|---|---|---|---|---|---|
| Aroclor1016 | ND | | 10 | 20 | 01/19/2023 16:44 |
| Aroclor1221 | ND | | 10 | 20 | 01/19/2023 16:44 |
| Aroclor1232 | ND | | 10 | 20 | 01/19/2023 16:44 |
| Aroclor1242 | ND | | 10 | 20 | 01/19/2023 16:44 |
| Aroclor1248 | ND | | 10 | 20 | 01/19/2023 16:44 |
| Aroclor1254 | **36** | A | 10 | 20 | 01/19/2023 16:44 |
| Aroclor1260 | ND | | 10 | 20 | 01/19/2023 16:44 |
| PCBs, total | **36** | | 10 | 20 | 01/19/2023 16:44 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| Decachlorobiphenyl | 113 | 70-130 | 01/19/2023 16:44 |

Analyst(s): CK  Analytical Comments: a4,h4

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| **PCB-2A** | **2301904-002A** | **Caulk** | **01/11/2023** | **GC20 01202343.D** | **262026** |

| Analytes | Result | RL | DF | Date Analyzed |
|---|---|---|---|---|
| Aroclor1016 | ND | 10 | 20 | 01/20/2023 19:29 |
| Aroclor1221 | ND | 10 | 20 | 01/20/2023 19:29 |
| Aroclor1232 | ND | 10 | 20 | 01/20/2023 19:29 |
| Aroclor1242 | ND | 10 | 20 | 01/20/2023 19:29 |
| Aroclor1248 | ND | 10 | 20 | 01/20/2023 19:29 |
| Aroclor1254 | ND | 10 | 20 | 01/20/2023 19:29 |
| Aroclor1260 | ND | 10 | 20 | 01/20/2023 19:29 |
| PCBs, total | ND | 10 | 20 | 01/20/2023 19:29 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| Decachlorobiphenyl | 121 | 70-130 | 01/20/2023 19:29 |

Analyst(s): CK  Analytical Comments: a4,h4

*(Cont.)*

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# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Terracon | **WorkOrder:** | 2301904 |
| **Date Received:** | 01/18/2023 10:59 | **Extraction Method:** | SW3550B/3630C |
| **Date Prepared:** | 01/18/2023 | **Analytical Method:** | SW8082 |
| **Project:** | R1227901; DUC-321 Golf Club RD.- ET BLDG | **Unit:** | mg/kg |

## Polychlorinated Biphenyls (PCBs) Aroclors w/ Column Style Clean-up

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| **PCB-3A** | **2301904-003A** | **Caulk** | **01/11/2023** | **GC20 01202348.D** | **262026** |

| Analytes | Result | RL | DF | Date Analyzed |
|---|---|---|---|---|
| Aroclor1016 | ND | 10 | 20 | 01/21/2023 12:02 |
| Aroclor1221 | ND | 10 | 20 | 01/21/2023 12:02 |
| Aroclor1232 | ND | 10 | 20 | 01/21/2023 12:02 |
| Aroclor1242 | ND | 10 | 20 | 01/21/2023 12:02 |
| Aroclor1248 | ND | 10 | 20 | 01/21/2023 12:02 |
| Aroclor1254 | ND | 10 | 20 | 01/21/2023 12:02 |
| Aroclor1260 | ND | 10 | 20 | 01/21/2023 12:02 |
| PCBs, total | ND | 10 | 20 | 01/21/2023 12:02 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| Decachlorobiphenyl | 121 | 70-130 | 01/21/2023 12:02 |

Analyst(s): CK  Analytical Comments: a4,h4

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| **PCB-4A** | **2301904-004A** | **Caulk** | **01/11/2023** | **GC20 01202349.D** | **262026** |

| Analytes | Result | RL | DF | Date Analyzed |
|---|---|---|---|---|
| Aroclor1016 | ND | 10 | 20 | 01/21/2023 12:19 |
| Aroclor1221 | ND | 10 | 20 | 01/21/2023 12:19 |
| Aroclor1232 | ND | 10 | 20 | 01/21/2023 12:19 |
| Aroclor1242 | ND | 10 | 20 | 01/21/2023 12:19 |
| Aroclor1248 | ND | 10 | 20 | 01/21/2023 12:19 |
| Aroclor1254 | ND | 10 | 20 | 01/21/2023 12:19 |
| Aroclor1260 | ND | 10 | 20 | 01/21/2023 12:19 |
| PCBs, total | ND | 10 | 20 | 01/21/2023 12:19 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| Decachlorobiphenyl | 107 | 70-130 | 01/21/2023 12:19 |

Analyst(s): CK  Analytical Comments: a4,h4

*(Cont.)*

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http://www.mccampbell.com / E-mail: main@mccampbell.com

# Analytical Report

| | | | |
|---|---|---|---|
| **Client:** | Terracon | **WorkOrder:** | 2301904 |
| **Date Received:** | 01/18/2023 10:59 | **Extraction Method:** | SW3550B/3630C |
| **Date Prepared:** | 01/18/2023 | **Analytical Method:** | SW8082 |
| **Project:** | R1227901; DUC-321 Golf Club RD.- ET BLDG | **Unit:** | mg/kg |

## Polychlorinated Biphenyls (PCBs) Aroclors w/ Column Style Clean-up

| Client ID | Lab ID | Matrix | Date Collected | Instrument | Batch ID |
|---|---|---|---|---|---|
| **PCB-5A** | **2301904-005A** | **Caulk** | **01/11/2023** | **GC20 01202350.D** | **262026** |

| Analytes | Result | RL | DF | Date Analyzed |
|---|---|---|---|---|
| Aroclor1016 | ND | 10 | 20 | 01/21/2023 12:36 |
| Aroclor1221 | ND | 10 | 20 | 01/21/2023 12:36 |
| Aroclor1232 | ND | 10 | 20 | 01/21/2023 12:36 |
| Aroclor1242 | ND | 10 | 20 | 01/21/2023 12:36 |
| Aroclor1248 | ND | 10 | 20 | 01/21/2023 12:36 |
| Aroclor1254 | ND | 10 | 20 | 01/21/2023 12:36 |
| Aroclor1260 | ND | 10 | 20 | 01/21/2023 12:36 |
| PCBs, total | ND | 10 | 20 | 01/21/2023 12:36 |

| Surrogates | REC (%) | Limits | |
|---|---|---|---|
| Decachlorobiphenyl | 112 | 70-130 | 01/21/2023 12:36 |

Analyst(s): CK

Analytical Comments: a4,h4

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# Quality Control Report

| | | | |
|---|---|---|---|
| **Client:** | Terracon | **WorkOrder:** | 2301904 |
| **Date Prepared:** | 01/18/2023 | **BatchID:** | 262026 |
| **Date Analyzed:** | 01/19/2023 | **Extraction Method:** | SW3550B/3630C |
| **Instrument:** | GC20 | **Analytical Method:** | SW8082 |
| **Matrix:** | Bulk Material | **Unit:** | mg/kg |
| **Project:** | R1227901; DUC-321 Golf Club RD.- ET BLDG | **Sample ID:** | MB/LCS/LCSD-262026 |

## QC Summary Report for SW8082 w/ Column Clean-up

| Analyte | MB Result | MDL | RL | SPK Val | MB SS %REC | MB SS Limits |
|---|---|---|---|---|---|---|
| Aroclor1016 | ND | 0.050 | 0.050 | - | - | - |
| Aroclor1221 | ND | 0.050 | 0.050 | - | - | - |
| Aroclor1232 | ND | 0.050 | 0.050 | - | - | - |
| Aroclor1242 | ND | 0.050 | 0.050 | - | - | - |
| Aroclor1248 | ND | 0.050 | 0.050 | - | - | - |
| Aroclor1254 | ND | 0.050 | 0.050 | - | - | - |
| Aroclor1260 | ND | 0.050 | 0.050 | - | - | - |
| **Surrogate Recovery** | | | | | | |
| Decachlorobiphenyl | 0.048 | | | 0.05 | 95 | 70-130 |

| Analyte | LCS Result | LCSD Result | SPK Val | LCS %REC | LCSD %REC | LCS/LCSD Limits | RPD | RPD Limit |
|---|---|---|---|---|---|---|---|---|
| Aroclor1016 | 0.14 | 0.14 | 0.15 | 94 | 95 | 70-130 | 1.14 | 20 |
| Aroclor1260 | 0.16 | 0.15 | 0.15 | 105 | 103 | 70-130 | 1.63 | 20 |
| **Surrogate Recovery** | | | | | | | | |
| Decachlorobiphenyl | 0.049 | 0.049 | 0.050 | 99 | 97 | 70-130 | 1.43 | 20 |

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(925) 252-9262

# CHAIN-OF-CUSTODY RECORD



**WorkOrder: 2301904** **ClientCode: RGAE**

☐ WaterTrax ☐ CLIP ☐ EDF ☑ EQuIS ☑ Dry-Weight ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☑ Detection Summary ☐ Excel

**Report to:**
Steffen Steiner
Terracon
1220 Concord Avenue, Suite 450
Concord, CA 94520
(510) 547-7771 FAX: (510) 547-1983

Email: steff.steiner@terracon.com
cc/3rd Party:
PO:
Project: R1227901; DUC-321 Golf Club RD.- ET BLDG

**Bill to:**
Paul King
Terracon
1220 Concord Avenue, Suite 450
Concord, CA 94520
apinvoices@terracon.com

**Requested TAT:** **5 days;**

*Date Received:* **01/18/2023**
*Date Logged:* **01/18/2023**

| Lab ID | ClientSampID | Matrix | Collection Date | Hold | Requested Tests (See legend below) | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 2301904-001 | PCB-1A | Caulk | 1/11/2023 00:00 | ☐ | A | A | | | | | | | | | | |
| 2301904-002 | PCB-2A | Caulk | 1/11/2023 00:00 | ☐ | A | A | | | | | | | | | | |
| 2301904-003 | PCB-3A | Caulk | 1/11/2023 00:00 | ☐ | A | A | | | | | | | | | | |
| 2301904-004 | PCB-4A | Caulk | 1/11/2023 00:00 | ☐ | A | A | | | | | | | | | | |
| 2301904-005 | PCB-5A | Caulk | 1/11/2023 00:00 | ☐ | A | A | | | | | | | | | | |

**Test Legend:**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 8082_PCB_SG_Caulk | 2 | PRDisposal Fee | 3 | | 4 | |
| 5 | | 6 | | 7 | | 8 | |
| 9 | | 10 | | 11 | | 12 | |

**Prepared by:**

**Comments:**

NOTE: Soil samples are discarded 60 days after receipt unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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# WORK ORDER SUMMARY

**Client Name:** TERRACON
**Client Contact:** Steffen Steiner
**Contact's Email:** steff.steiner@terracon.com

**Project:** R1227901; DUC-321 Golf Club RD.- ET BLDG
**Comments:**

**Work Order:** 2301904
**QC Level:** LEVEL 2
**Date Logged:** 1/18/2023

☐ WaterTrax ☐ CLIP ☐ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

| LabID | ClientSampID | Matrix | Test Name | Containers /Composites | Bottle & Preservative | U** | Head Space | Dry-Weight | Collection Date & Time | TAT | Test Due Date | Sediment Content | Hold | Sub Out |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001A | PCB-1A | Caulk | SW8082 (PCBs w/ Column Style Clean-up) | 1 | Plastic Baggie, Extra Small | ☐ | ☐ | ☐ | 1/11/2023 | 5 days | 1/26/2023 | | ☐ | ☐ |
| 002A | PCB-2A | Caulk | SW8082 (PCBs w/ Column Style Clean-up) | 1 | Plastic Baggie, Extra Small | ☐ | ☐ | ☐ | 1/11/2023 | 5 days | 1/26/2023 | | ☐ | ☐ |
| 003A | PCB-3A | Caulk | SW8082 (PCBs w/ Column Style Clean-up) | 1 | Plastic Baggie, Extra Small | ☐ | ☐ | ☐ | 1/11/2023 | 5 days | 1/26/2023 | | ☐ | ☐ |
| 004A | PCB-4A | Caulk | SW8082 (PCBs w/ Column Style Clean-up) | 1 | Plastic Baggie, Extra Small | ☐ | ☐ | ☐ | 1/11/2023 | 5 days | 1/26/2023 | | ☐ | ☐ |
| 005A | PCB-5A | Caulk | SW8082 (PCBs w/ Column Style Clean-up) | 1 | Plastic Baggie, Extra Small | ☐ | ☐ | ☐ | 1/11/2023 | 5 days | 1/26/2023 | | ☐ | ☐ |

**NOTES: * STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).**

**- Organic extracts are held for 40 days before disposal; Inorganic extract are held for 30 days.**

**- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.**

**U** = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

2301904

Terracon

***E-MAIL REPORT TO: PROJECT MANAGER (PM) AND ADDITIONAL RECIPIENTS BELOW ***

- ☑ PM – S. Steiner spsteiner@terracon.com
- ☑ PM – K. Schroeter kmschroeter@terracon.com
- ☐ PM – K. Pilgrim kmpilgrim@terracon.com
- ☐ PM- M. Benefield msbenefield@terracon.com
- ☐ PM – T. Kattchee takattchee@terracon.com
- ☐ PM – W. Frieszell wmfrieszell@terracon.com
- ☐ PM – D. Block David.block@terracon.com
- ☐ denise.wallen@terracon.com Engineering Assistant
- ☐ eric.dyer@terracon.com Engineering Assistant

# PCB
## BULK SAMPLE DATA SHEET

PAGE 1 OF 1

**Project Name/ Address/ Building No.** DVC - 321 GOLF CLUB RD. - ET BLDG.
**Project#** R1227901 **Sampled By:** M. REED **Sampling Date:** 1-11-2023
**Sample(s) sent to:** _____ **TAT** ☐ Rush ☐ 24HRS ☐ 48HR ☑ -5 days

| | |
|---|---|
| HM# PCB-01 | Material Description: BLACK WINDOW GLAZE - GLASS TO FRAME |
| Sample ID | Sample Location & Material Location — Quantity: |
| PCB - 1A | SOUTH SIDE - LOBBY STORE FRONT WINDOW RM #100 |
| | |
| | |
| HM# PCB-02 | Material Description: BLACK SEALANT - ASSOCIATED WITH DOOR FRAME TO BRICK |
| Sample ID | Sample Location & Material Location — Quantity: |
| PCB - 2A | MACHINE LAB - ROOM #123 - (S) PERIMETER DOOR FRAME |
| | |
| | |
| HM# PCB-03 | Material Description: BLACK SEALANT - ASSOCIATED WITH OFF. METAL PARTITION |
| Sample ID | Sample Location & Material Location — Quantity: WALL FRAMES |
| PCB - 3A | AT ROOM #104A |
| | |
| | |
| HM# PCB-04 | Material Description: GRAYISH SEALANT - ASSOCIATED WITH EXTERIOR WALL |
| Sample ID | Sample Location & Material Location — Quantity: PANEL SIDE |
| 4A | NORTH SIDE - BLDG - COURTYARD (E) |
| | |
| | |
| HM# PCB-05 | Material Description: BLACK SEALANT ON WOOD SIDE & DOOR FRAME |
| Sample ID | Sample Location & Material Location — Quantity: |
| 5A | EAST SIDE - DETACHED SHED |
| | |
| | |

**Relinquished By:** M. REED **Signature** M. Reed **Date/Time:** 1-16-2023
**Received By:** Mora **Signature:** Mora **Date/ Time:** 1/18/ 945
**Received By:** Mdorl **Signature:** Mora **Date/Time:** 1/18/23 10:16
REC: Agustinar. Agustinar. 1/18/2023 1016A

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

2.30 WEA

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# Sample Receipt Checklist

Client Name: Terracon
Project: R1227901; DUC-321 Golf Club RD.- ET BLDG

WorkOrder №: 2301904 Matrix: Caulk
Carrier: Laurie Moore (MAI Courier)

Date and Time Received: 1/18/2023 10:59
Date Logged: 1/18/2023
Received by: Agustina Venegas
Logged by:

## Chain of Custody (COC) Information

| | | | |
|---|---|---|---|
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels? | Yes ☑ | No ☐ | |
| Sample IDs noted by Client on COC? | Yes ☑ | No ☐ | |
| Date and Time of collection noted by Client on COC? | Yes ☑ | No ☐ | |
| Sampler's name noted on COC? | Yes ☑ | No ☐ | |
| COC agrees with Quote? | Yes ☐ | No ☐ | NA ☑ |

## Sample Receipt Information

| | | | |
|---|---|---|---|
| Custody seals intact on shipping container/cooler? | Yes ☐ | No ☐ | NA ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | NA ☑ |
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | |
| Samples in proper containers/bottles? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |

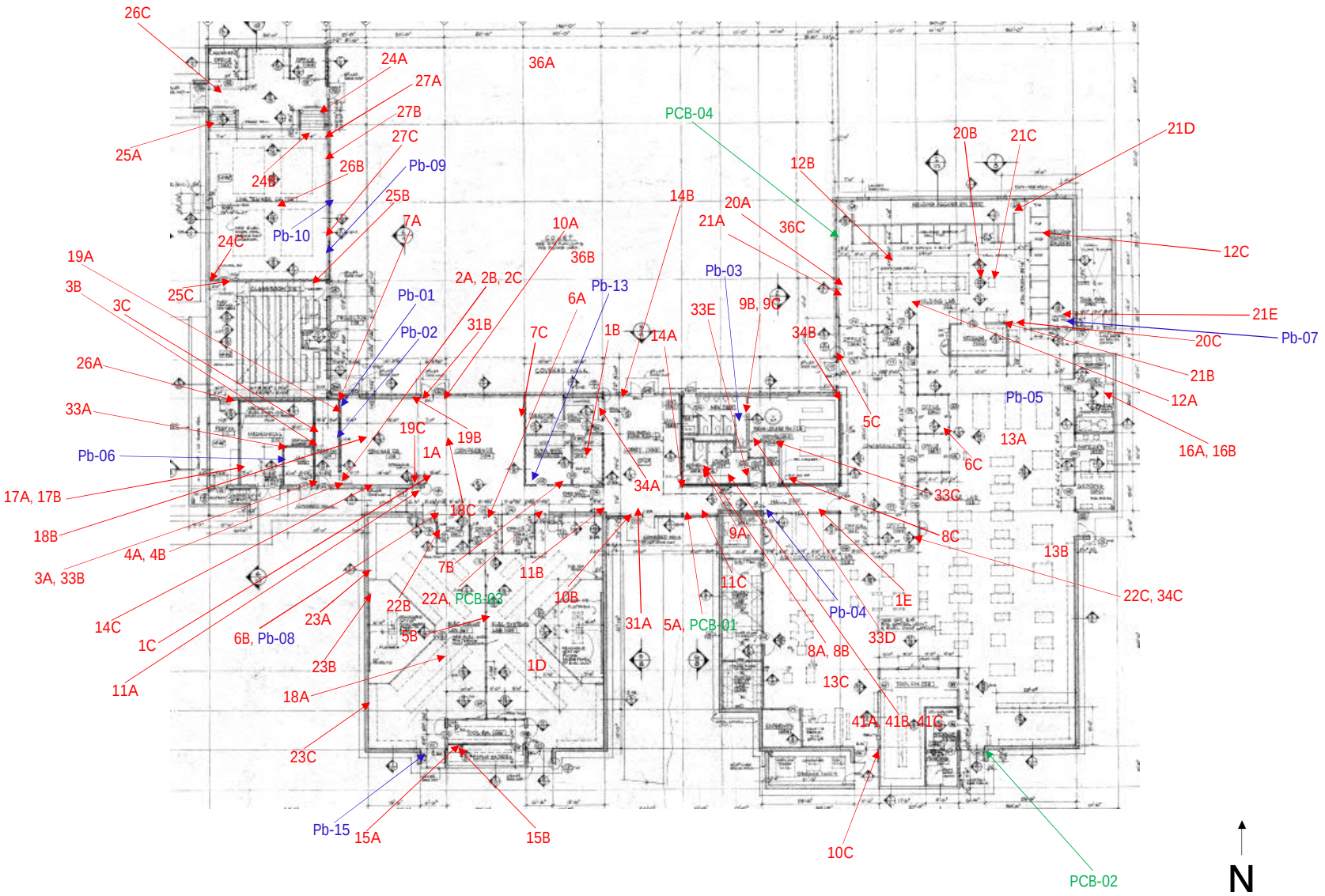
## Sample Preservation and Hold Time (HT) Information

| | | | |
|---|---|---|---|
| All samples received within holding time? | Yes ☑ | No ☐ | NA ☐ |
| Samples Received on Ice? | Yes ☑ | No ☐ | |
| (Ice Type: WET ICE ) | | | |
| Sample/Temp Blank temperature | Temp: 2.3°C | | NA ☐ |
| ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)? | Yes ☐ | No ☐ | NA ☑ |
| Sample labels checked for correct preservation? | Yes ☑ | No ☐ | |
| pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)? | Yes ☐ | No ☐ | NA ☑ |
| UCMR Samples: | | | |
| pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)? | Yes ☐ | No ☐ | NA ☑ |
| Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]? | Yes ☐ | No ☐ | NA ☑ |

Comments:

# APPENDIX E

# SAMPLE LOCATION FIGURES




Terracon

Diablo Valley College

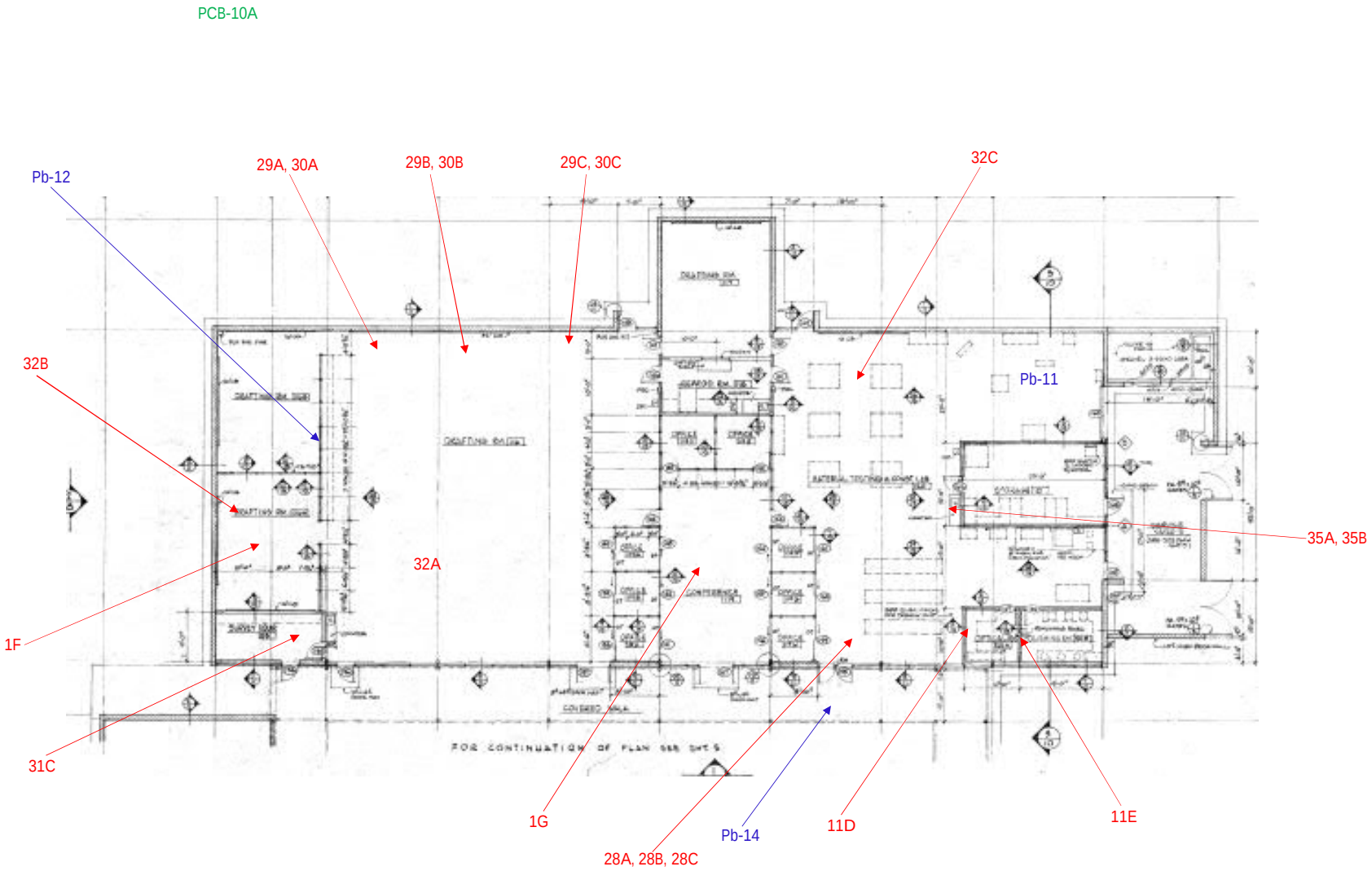
Engineering Technology (ET) Building South Side

321 Golf Club Road
Pleasant Hill, California

| Date | Drafted By |
|---|---|
| February 2023 | DW |
| **Project Number** | **Checked By** |
| R1227901 | SPS |

**Sheet Name**
ET Building - South Side

**Sheet Number**
Figure 1




N
Not to Scale

Terracon

Diablo Valley College

Engineering Technology (ET) Building
North Side

321 Golf Club Road
Pleasant Hill, California

| Date | Drafted By |
|---|---|
| February 2023 | DW |
| **Project Number** | **Checked By** |
| R1227901 | SPS |

**Sheet Name**
ET Building - North Side

**Sheet Number**
Figure 2


N

Not to Scale

Terracon

Diablo Valley College

Engineering Technology (ET) Building Roof & Additional Structures

321 Golf Club Road
Pleasant Hill, California

| Date | Drafted By |
|---|---|
| February 2023 | DW |
| **Project Number** | **Checked By** |
| R1227901 | SPS |

**Sheet Name**
ET Building – Roof & Additional Structures

**Sheet Number**
Figure 3

# APPENDIX E

# CERTIFICATIONS

State of California
Division of Occupational Safety and Health

**Certified Site Surveillance Technician**

**Michael H Reed**

Name

Certification No. **08-4464**

Expires on **12/18/23**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

# LEAD-RELATED CONSTRUCTION CERTIFICATE

| INDIVIDUAL: | CERTIFICATE TYPE: | NUMBER: | EXPIRATION DATE: |
|---|---|---|---|
|  **Micheal Reed** | Lead Sampling Technician | LRC-00000224 | 5/21/2023 |

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD

**STATE OF CALIFORNIA** Gavin Newsom, Governor

DEPARTMENT OF INDUSTRIAL RELATIONS
**Division of Occupational Safety and Health-Asbestos Certification**
1750 Howe Avenue, Suite 460
Sacramento, CA 95825
(916) 574-2993 Office http://www.dir.ca.gov/dosh/asbestos.html actu@dir.ca.gov

**212150850C** **034**

**December 22, 2022**

**Steffen Paul Steiner**

Dear Certified Asbestos Consultant or Technician:

Enclosed is your certification card. **To maintain your certification, you must abide by the rules printed on the back of the certification card.**

Your certification is valid for a period of one year. If you wish to renew your certification, you must apply for renewal at least 60 days before the expiration date shown on your card. [8 CCR 341.15(h)(1)].

Please hold and do not send copies of your required AHERA refresher renewal certificates to our office until you apply for renewal of your certification.

Certificates must be kept current if you are actively working as a CAC or CSST. The grace period is only for those who are not actively working as an asbestos consultant or site surveillance technician.

Please contact our office at the above address or email w any changes in your contact/mailing information within 15 days of the change.

Sincerely,

*Eric Berg*

Eric Berg
Deputy Chief of Health

Attachment: Certification Card

cc: File

Renewal – Card Attached


State of California
Division of Occupational Safety and Health
**Certified Asbestos Consultant**

**Steffen Paul Steiner**
Name

Certification No. **92-0850**

Expires on **01/08/24**

This certification was issued by the Division of Occupational Safety and Health as authorized by Sections 7180 et seq. of the Business and Professions Code.

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH

# LEAD-RELATED CONSTRUCTION CERTIFICATE

| INDIVIDUAL: | CERTIFICATE TYPE: | NUMBER: | EXPIRATION DATE: |
|---|---|---|---|
|  **Steffen Steiner** | Lead Inspector/Assessor | LRC-00005586 | 5/15/2024 |

Disclaimer: This document alone should not be relied upon to confirm certification status. Compare the individual's photo and name to another valid form of government issued photo identification. Verify the individual's certification status by searching for Lead-Related Construction Professionals at www.cdph.ca.gov/programs/clppb or calling (800) 597-LEAD