



Agenda Item E.2
DISCUSSION/ACTION ITEM
Meeting Date: May 2, 2017

TO: Mayor and Councilmembers

FROM: Vyto Adomaitis, Director of Neighborhood Services & Public Safety

CONTACT: Claudia Dato, Senior Project Manager

SUBJECT: Goleta Community Center Special Studies Update

RECOMMENDATION:

- A. Receive a report on special studies conducted at the Goleta Community Center; and,
- B. Direct staff to proceed with immediate repairs to the Goleta Community Center at an estimated cost of \$38,000; and,
- C. Direct staff to include a Capital Improvement Program 5-Year Project Sheet in the FY 2017/18 & FY 2018/19 Budget for priority repairs, fire and life safety improvements, ADA updates, seismic improvements, and equipment replacement for the Community Center.

BACKGROUND

The Goleta Community Center property is located at 5679 Hollister Avenue and was formerly the Goleta Union School (School), which was constructed in 1927. The School was closed in 1976, and in 1977 the property was leased with an option to purchase to the County of Santa Barbara (County). In 1984, the County subleased the property to the Goleta Valley Community Center (GVCC), a California nonprofit corporation. Upon incorporation in 2002, the City of Goleta (City) assumed the then existing lease from the County, and became the GVCC's landlord. The City exercised the option to purchase the Community Center in 2013. Since that time the City has leased the property to the GVCC and waived all lease payments. Most recently, a two-year interim lease and management agreement was executed with the GVCC in February 2017.

Over the past several years, the City Council has considered varying levels of repair and investment in the aging facility and directed staff to analyze options for managing the Community Center property and the ongoing activities there. On April 18, 2016, the City Council conducted a public workshop to discuss many of these issues. At the conclusion of this workshop, Council agreed that more information was needed before final direction could be given. Specifically, Council directed staff to spend approximately \$100,000 to conduct investigative studies including a historic resource evaluation and

limited destructive investigative studies related to hazardous materials and facility condition. The City Council also directed staff to perform water and air quality testing as a top priority.

Based on that direction, staff immediately requested proposals from three consultants and selected FCG Environmental to conduct water and air quality testing in the Community Center and onsite educational buildings (Rainbow School and Headstart). The results of this testing are discussed in greater detail under the Discussion section of this report. In general, the results were very favorable, especially given the age of the Community Center and its accessory buildings.

Staff also released a Request for Qualifications/Request for Proposals (RFQ/RFP) for a Phase I/II historic resource evaluation of the Community Center and educational buildings, with the exception of the Boys and Girls Club and the portable structures. On July 19, 2016, the City Council awarded a contract to Page & Turnbull, Inc. for this work. Page & Turnbull initially completed a Phase 1 Historic Resource Evaluation that evaluated whether the buildings would be eligible for listing in the national or state historic resource registries. Results of the Phase 1 study indicated that only the Community Center building is eligible for listing. Once a building has been found to be eligible, a Phase II analysis looks at potential environmental impacts from proposed repairs, upgrades, renovation or demolition of the building and mitigation options under the California Environmental Quality Act (CEQA). The Phase II analysis is discussed in greater detail following this section.

Based on City Council direction, staff also issued an RFQ/RFP for consultant services to conduct both a hazardous materials assessment and a property condition assessment of the Community Center, including more invasive (destructive) and advanced techniques to assess conditions not readily visible. All previous studies had only assessed conditions which could be observed without destructive investigation (i.e. breaking into walls). In consideration of their age, the Headstart and Rainbow School buildings were also included in the proposal. Council awarded a contract to Partner Engineering and Science in September 2016.

All three of these studies have since been completed, and the results are detailed below. Binders with all of the special studies have been provided to the City Council, and were made available to the public as well.

DISCUSSION

Water and Air Quality Testing

Last summer, FCG Environmental conducted air and water sampling assessments within the Goleta Community Center and on-site educational structures to assess the presence of mold and/or moisture issues, asbestos and heavy metals. The results of these tests are summarized below:

Summary of Water Quality Analysis:

The water quality analysis consisted of the collection of water samples from rooms and common areas within each building having potable water sources to document potential heavy metals contamination from piping systems. The analysis also looked at general water quality conditions from the main water supply inlet. The main water supply was analyzed for a variety of general drinking water standards, including: minerals, disinfectant byproducts, coliform bacteria, organic compounds and heavy metals. The drinking water sources within the various buildings and classrooms were tested for lead, copper, arsenic and zinc.

Of the drinking water tests, one sample showed lead concentrations at the recommended maximum level of 15 parts per billion. This sample was collected from a drinking fountain in Room 13 at the Rainbow School. Based on this finding, staff immediately contacted the Executive Director/Owner of the Rainbow School as well as Goleta Valley Community Center management staff. The owner of the Rainbow School, informed City staff that Room 13 is the room where the youngest children are cared for (also known as the “baby room”) and to her knowledge the drinking fountain has not been used in 30 years. However, as a precaution, Community Center staff turned off the water supply to the drinking fountain. ***Other than the exception noted, the general water quality analysis revealed that the main water supply to the property was within the parameters of the various standards required for drinking water systems.***

Summary of Air Quality Assessment

Three types of air quality testing were conducted by FCG Environmental (FCG): general indoor air quality, airborne fungal (mold) testing, and airborne asbestos testing. Each of these is further detailed below.

General Indoor Air Quality:

FCG monitored general indoor air quality through random grab sampling using a field instrument specially designed to read temperature (°F), relative humidity (RH %), carbon monoxide (CO), and carbon dioxide (CO₂). Air samples were also tested for volatile organic compounds, hydrogen sulfide, and oxygen levels. ***None of the areas inspected showed evidence of detectable volatile compounds, methane gas, or hydrogen sulfide and all oxygen levels were within the normal, ambient range.***

Airborne Fungal Testing:

FCG also collected air samples from representative areas within each building to document airborne fungal spore counts (airborne mold). This testing was conducted along with outdoor sampling for comparison purposes. FCG collected a total of 31 air samples for laboratory analysis. ***All of the air samples collected from interior classrooms, offices and common areas revealed total airborne mold spore concentrations that were within the outdoor background levels, at such low concentrations that they do not pose any significant health risk.***

Asbestos Air Sampling Assessment:

Asbestos air samples were collected from representative areas within all buildings to document the presence/absence of airborne asbestos fibers. A total of 19 air samples were collected. ***All of the interior air samples collected from representative areas within each building revealed airborne fiber concentrations which were well below the OSHA Permissible Exposure Limit and the EPA's recommended criteria for abatement.***

Mold and Moisture Assessment

FCG staff conducted limited inspection of each building to determine obvious concerns related to potential mold growth or moisture conductions. An inspection of site conditions was performed to check for evidence of mold growth, water intrusion, odors or similar concerns. Moisture readings were taken from areas of concern or suspect growth.

The only area of concern was in one of the Headstart classrooms that has two sinks. Water damage and suspect mold growth were noted on the wood base shelves and lower walls within both sink cabinets. This is typical of routine leaking from the sink plumbing, water filtration systems, or from stored liquids within the cabinet. Staff learned that a leak had been repaired earlier in the year, but the inspection identified, and lab testing confirmed, a nearly confluent growth of Chaetomium, a type of mold which warranted remediation. ***Staff immediately contacted several licensed mold remediation contractors and ultimately, Pearl Bay Corporation remediated the mold and replaced part of the sink cabinet which fully addressed this finding.***

More recently, staff had to hire contractors on an emergency basis after new water leaks in the Headstart classroom building resulted in the need for additional plumbing repairs and mold remediation.

In addition, staff was recently made aware of a room not included in the original assessment by FCG. Accessed through the outdoor patio via an unmarked door is a restroom that the janitorial staff has been using as storage for over 20 years. This room was not brought to our attention or FCG's during their inspections of the property. City Public Works staff recently evaluated the condition of the room and identified a water leak and possible mold, lead paint and asbestos materials. Public Works staff engaged Serve Pro to evaluate all of these issues to see what, if anything, should be addressed in the near term. The Community Center intends to continue use of this room for storage of janitorial supplies and not re-open it as a bathroom since another men's restroom exists nearby. If Serve Pro's evaluation results in additional items needing remediation, staff will authorize the remediation work as was done in the other two instances listed above.

Sewer Assessment

An assessment of sewer lines including laterals within the area of the Community Center and educational buildings and their connections to manholes was performed by Partner Engineering and Science, Inc. (Partner) in conjunction with C-Below Subsurface

Company. The work was performed via a Closed-Circuit Television (CCTV) video surveillance investigation. ***The results are presented in the attached summary report (Attachment 1) which includes a sketch showing where Partner located clogged pipes, shallow slope elevations, broken pipe lines, as well as various pipes with roots obstructing clear flow.***

Recommendation: Replace several pipes and clean-outs throughout the onsite sewer collection system.

Hazardous Materials Survey

Asbestos

Suspect asbestos-containing materials (ACM) were sampled from accessible areas within the interior and exterior of the buildings according to the guidelines set forth in 40 CFR Part 763 (Code of Federal Regulations, Title 40: Protection of the Environment), and later analyzed using the Polarized Light Microscopy (PLM) method. A total of one hundred (100) bulk samples of presumed ACM were collected for analysis. ***Nineteen of those samples tested positive for asbestos:***

- Vinyl floor tiles in the Dining Room of the Community Center;
- Vinyl flooring in three classrooms of the Rainbow School; and
- Roof patching materials and penetration mastic on samples taken from all buildings.

Recommendation: The Environmental Protection Agency (EPA) recommends that all ACM be removed by a certified asbestos contractor *prior to any renovation or demolition activities that may impact the material*. In the absence of planned renovation/demolition activities, the EPA recommends that ACMs be managed in-place whenever asbestos is identified in a building. ***Under the current conditions, no remediation is needed at this time.***

Lead-Based Paint

The subject property was visually inspected and potential Lead-Based Paint (LBP) was identified. Measurements were taken at these locations in areas representative of all painted or varnished surfaces using a hand-held XRF device. An XRF device is an elemental analysis instrument that uses X-ray fluorescence technology to determine each element that is present in a sample, and to quantify the elements present. A total of 225 XRF readings were collected throughout the property. ***Thirty of the readings contained a lead content greater than 1.0 mg/cm², which is the current regulatory threshold for the requirement of lead-safe work practices in the City of Goleta.*** Most of the lead-based paint was found in the Community Center and included:

- Building components such as walls;
- Windows (sills and sashes);
- Doors (jambs and frames); and
- Exterior overhangs and columns.

Most of the LBP was found to be intact; however, a few samples were classified as poor (courtyard window sill) or fair (exterior windows). Additional LBP was found on exterior walls and doors overhangs and windows of the Headstart building. All of these areas were deemed intact. LBP was also found in the Rainbow School building (Building Three) on exterior overhangs and on the walls of two of the restrooms. These areas were also deemed to be intact.

Recommendation: Surfaces deemed to be poor are considered to be a hazard and should be corrected. Fair surfaces should be repaired, but are not yet considered to be a hazard. If not repaired, they should be monitored frequently. Intact surfaces should be managed under an Operations and Maintenance Plan which includes periodic inspections for condition changes in the paint

Other Hazards

In addition to the other hazards mentioned, the consultants surveyed all of the buildings for several other hazards including mercury, PCBs, radioactive hazards, and CFCs. The consultant also found:

- 850 mercury-based florescent lights;
- 265 florescent light ballasts containing PCBs throughout the buildings;
- 14 emergency signs containing radioactive sources;
- 4 rooftop HVAC compressor units containing CFCs; and
- 23 thermostats containing mercury.

Recommendation: The identified hazardous materials should be properly removed and segregated prior to renovation/demolition activities. Proper packaging and disposal should be conducted in compliance with federal, state, and local regulations.

Property Condition Assessment

The purpose of the Property Condition Assessment (PCA) was to evaluate the general overall physical condition of the subject property and to observe and document readily-visible material and building system defects. The PCA of the building systems and structural components was also performed by Partner Engineering and Science, Inc. (Partner) and included the Community Center and educational buildings. Partner's overall finding is that the subject property appears to be in good to fair condition for its age and usage. Partner's report also indicates that the overall level of preventative maintenance appears to be fair and generally appears to be reactive, rather than preventative. Partner defines "fair condition" to mean marginally satisfactory, with some immediate repairs required, and components/systems that are at or near the end of their useful life. The detailed observations of reviewed systems requiring repairs or upgrades are summarized in Attachment 1 of this report.

In order to shift away from reactive maintenance, the PCA includes a replacement reserve schedule. Items included in this schedule are determined based upon the estimated useful life (EUL) of a system or component, the apparent effective age (EA) of the system, and the remaining useful life (RUL) of that system. The PCA also

includes opinions of cost for the identified items. ***There are several immediate repairs that Partner identified that should be completed in the near future because of existing or potential unsafe conditions; material building code or fire code violations; or conditions, that if left uncorrected, have the potential to result in, or contribute to, critical element or system failure within one year or may result in a significant increase in remedial cost.***

Recommendation: The following “immediate” repairs should be made in the near future:

- Repair crack in the basement foundation wall of the Community Center Building with epoxy injection;
- Clear soil away from pier footings in crawl space of the Community Center Building;
- Repair inoperable window mechanisms at east classrooms of the Community Center building;
- Replace sewer line between the Community Center office restroom cleanout and the men's restroom. Conduct further investigation for possible pump station; and
- Address non-compliant ADA features.

The estimated cost for the immediate repairs is detailed below.

Table 1 - Immediate Repairs and Deferred Maintenance (Partner)

Section No.	Deficiency or Repair Item	Quantity	Unit	Unit Cost	Immediate Repair	Total Cost
BUILDING STRUCTURE						
4.0	Repair crack in the basement foundation wall of the Community Center Building with epoxy injection	1	Lump Sum	\$2,000	\$2,000	\$2,000
4.0	Clear soil away from pier footings in crawl space of the Community Center Building	1	Lump Sum	\$1,000	\$1,000	\$1,000
EXTERIOR ENVELOPE						
5.3	Repair inoperable windows mechanisms at east classrooms of the Community Center building	1	Lump Sum	\$5,000	\$5,000	\$5,000
MECHANICAL AND ELECTRICAL SYSTEMS						
6.2	Replace sewer line between the Community Center office restroom cleanout and the men's restroom. Cost includes further investigation and possible pump station.	1	Lump Sum	\$30,000	\$30,000	\$30,000
TOTAL					\$38,000	\$ 38,000

Historic Resource Evaluation (HRE)

In December 2016, Page & Turnbull Historic Resource Consultants completed an HRE Part 1 analysis of the Community Center and educational buildings. The Boys & Girls Club building was not included because it represents newer construction and is not subject to an HRE.

This report provides a detailed account of the site's history and building architecture and evaluates them for listing as historic resources both on the National Register of Historic Places and California Register of Historical Resources. Of the three buildings evaluated, ***only the Community Center (a.k.a. Main Building/Building A) was found to be eligible for listing in the National Register and the California Register for its role in the consolidation of Goleta's education system and the growth of the town center as the area matured in the early 20th century.*** A detailed summary of the Historic Resource Assessments is provided as Attachment 2 of this report.

Although the Community Center building is the work of a notable local architect and engineer, Louis N. Crawford, and originally a good example of Mediterranean Revival architecture, alterations to the building have removed key features (such as the original red tile roofing and wooden windows on the west and east sides) that have impacted its ability to meet the criteria for listing under the category of architecture. The Community Center could potentially attain eligibility for its architecture if the missing, or altered features, particularly the red-tile roof, were restored. However, restoration of the missing features is not required for listing eligibility.

Historic Resource Evaluation – Part 2

Due to the finding in the HRE Part 1, an HRE Part 2 (Potential Impact Study) was prepared to evaluate potential impacts to the Community Center for three options, or scenarios, identified by the City. The three project scenarios evaluated were:

1. Scenario 1 – Voluntary Upgrades targeted to address known seismic, fire/life-safety, and ADA access deficiencies.
2. Scenario 2 – Full Rehabilitation, a comprehensive exterior and interior rehabilitation with new building systems for continued Community Center use.
3. Scenario 3 – Demolition of the Main Building and construction of a new Community center, with and without retaining the Main Building's front façade.

Please see page 15-29 in the *Potential Impact Report* for a complete evaluation of Page & Turnbull's recommendations and preservation considerations for the three development scenarios. The recommendations are too numerous to discuss in detail, but the following discussion provides a very brief overview of potential impacts to historic features. The *Potential Impact Report* also includes more comprehensive information on the *Secretary of the Interior's (SOI) Standards and Guidelines*.

Scenario 1

Upgrades for seismic; fire/life safety; and disabled access can often be accomplished without significantly impacting a historic building. The key is to design and construct the

project in compliance with the SOI Standards and follow the approach hierarchy outlined in the SOI Guidelines. With that in mind, Page & Turnbull provides a list of recommendations for Scenario 1 aimed at guiding the City in developing a SOI Standards-compliant project. See pages 15-20 of the *Potential Impact Report*.

Scenario 2

For Scenario 2, Page & Turnbull provides general guidance and strategies for developing a SOI Standards-compliant rehabilitation project that retains the Community Center's historic character. Among other things, rehabilitation work should avoid impacts on character-defining features, significant spaces and historic materials. See pages 21-26 of the *Potential Impact Report*.

Scenario 3

Scenario 3 explores the demolition of the Main Building of the Goleta Community Center either in full or as a partial demolition. Under partial demolition, most of the Community Center building would be demolished except for a certain amount of the front façade. A new building would be built behind and likely attached to the retained façade. Page & Turnbull provides three options to define the area of façade to retain, the most prominent being retention of the entire front and east and west gables, as well as the interior front corridor (Option C – see page 27 of the *Potential Impact Report*).

According to Page & Turnbull, demolition where only the front façade remains is in essence a full demolition. While slightly less impactful than full demolition, almost all of the character-defining features that make up the historic resource that is the Community Center building would still be lost. What remains would no longer be recognizable as a 1920s school building and would be unable to convey its significance as the Goleta Union School. Therefore, all of the partial demolition options, including Option C, would result in a significant adverse impact. An EIR would be needed to consider alternatives and mitigation measures. While in some instances these mitigation measures may reduce the level of the adverse impacts, they often are not adequate to mitigate the loss to community character and collective history. For this reason, full or partial demolition of the Community Center is not recommended.

Summary of Recommendations and Costs

One of the preeminent conclusions of the Property Condition Assessment is that the Community Center building is in fair to good condition. No significant structural deficiencies were identified that pose an immediate threat to life or safety. Based on Partner's assessments, the building can be brought up to a good condition altogether once the recommended immediate repairs are addressed. The estimated cost for these repairs is \$38,000 (see Table 1 on page 7 of this staff report).

In addition to providing cost estimates for the immediate repair recommendations, Partner also created a 10-year Replacement Reserve Cost Opinion Table (see Table 2 of the PCA). The Replacement Reserve Cost Opinion is based on replacement of existing systems and equipment (to maintain the status quo in good condition), and does not include consideration of upgrades. Partner recommends budgeting for the

identified repair and replacement items moving forward to maintain the facility in good condition.

Over the 10-year reserve period used, Partner estimates approximately \$925,000 in replacement and maintenance costs, with approximately \$303,000 occurring in the first year. Table 2 on the following page details the recommended Year 1 reserve items and the costs of the immediate repairs needed (\$38,000). Based on the Replacement Reserve Cost Opinion, staff has provided a draft CIP project sheet that includes recommended annual budgets for the coming five years to coincide with the Replacement Reserve items identified over that same timeframe (Attachment 4). Staff is recommending that the City Council include this CIP Project Sheet in the coming two-year budget that begins with FY 2017/18. Details such as funding sources will be further defined during the upcoming budget process.

Table 2 – Replacement Reserve Items – Year 1 (Partner)

Sect No.	Deficiency or Repair Item	Quantity	Unit	Unit Cost	Total Cost
BUILDING STRUCTURE					
3.6	Asphalt seal coat and parking stall striping	102,000	SF	\$0.15	\$15,300
3.6	Mill, grind and place asphalt overlay	102,000	SF	\$2.75	\$280,500 ¹
MECHANICAL AND ELECTRICAL SYSTEMS					
6.1	Replace Split-System Condenser	3	Ton	\$1,200	\$3,600
6.1	Replace Split-System Furnace Fan Coil	3	Ton	\$800	\$2,400
6.2	Replace 40-gallon water heater	1	EA	\$1,000	\$1,000
TOTAL					\$302,800

In addition to the immediate repairs and Reserve Schedule items, staff is recommending that needed Seismic upgrades and ADA improvements be included in the FY 2017/18 & 2018/19 budget as indicated on the CIP project budget sheet provided. As reported in prior staff reports on the Community Center, in 2013 the Crosby Group prepared a detailed Seismic and ADA Study that recommended that the Community Center be upgraded to meet current Seismic standards and ADA requirements. The Crosby Group also completed a Fire/Life Safety Assessment that recommended installing a fire sprinkler system and fire alarm in the Community Center. The City Council considered these studies during the Civic Center Feasibility Study. Before making decisions related to these improvements, the City Council wanted more information on the historic status of the structure and the extent of potential hazardous materials.

¹ Depending on the depth assumed, this estimate may be low. Actual costs may be significantly higher.

The below table summarizes the projected costs for all of this work. These costs have also been included in the attached CIP project budget sheet.

Table 3 – Recommended Seismic, ADA & Life/Safety Improvements

Work Description	Cost
Fire Protection Upgrades (Community Center)	\$168,932
ADA Improvements	\$312,600
Seismic Upgrades	\$576,900
Subtotal:	\$1,058,432
15% Contingency	\$158,765
Total Immediate/Year 1 Costs:	\$1,217,197

Other options identified for improvements to the Community Center include a more comprehensive renovation (Scenario 2) and demolition with reconstruction (Scenario 3) that were evaluated in the Historic Resource Evaluation by Page & Turnbull. Based on estimates prepared for the Civic Center Feasibility Study, a comprehensive remodeling/renovation of the Community Center (Scenario 2) would cost approximately \$5.3 million (in 2015 dollars), not counting the \$1.56 million for the necessary immediate repairs, Seismic, ADA and Life/Safety Improvements and costs associated with remediation of the asbestos and lead-based paint. Altogether, comprehensive renovation under Scenario 2 and demolition with construction of a new community center under Scenario 3 would cost between \$8 million and \$13.6 million, respectively.

FISCAL IMPACTS:

At this time staff is only recommending the immediate repairs outlined in Partner's assessment. The building can be brought up to good condition altogether once the recommended immediate repairs are addressed. The estimated cost for these repairs is \$38,000. Given the potential liability the City is facing with the Department of Finance over the pending Redevelopment Agency issues, as well as other priorities Council has expressed interest in pursuing, staff is not recommending a large scale renovation of the Community Center in the near future. Rather, a projected CIP project sheet has been provided for informational purposes, to propose an approach that would make necessary repairs and basic health and safety upgrades (Seismic, ADA and Life/Safety) over the span of two fiscal years, with on-going maintenance and replacement costs spread out over the longer term in concert with the reserve study recommended by Partner. Should Council desire the additional improvements beyond the immediate repairs of \$38,000, staff can return with a more in-depth analysis on potential funding options.

No additional appropriation is needed at this time. As noted below, there is currently \$304,256 in available General Fund budget that has been set aside to address City-wide building maintenance and improvements which can be used to fund the recommended immediate repairs.

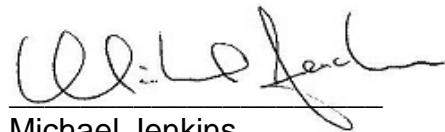
GL Account	Account Name	FY 16/17 Available Budget
101-5-9069-706	CIP Services	\$304,256

ALTERNATIVES:


The Council may elect to not direct staff to move forward with immediate repairs as outlined in Partner's assessment. However, failure to conduct these repairs could result in higher future maintenance and repair costs, resulting in a larger liability to the City. Council may also elect to not include a CIP project budget sheet in the FY 2017/18 & FY 2018/19 budget cycle and be brought back at a later date when funding has been identified.

Legal Review By:

Approved By:



Michael Jenkins
Acting City Attorney



Michelle Greene
City Manager

ATTACHMENTS:

1. Property Condition Assessment Summary
2. Historic Resource Evaluation Summary
3. Binder of Special Studies:
 - a. Air/Water Quality Report;
 - b. Sanitary Sewer Study;
 - c. Hazardous Materials Survey Report;
 - d. Property Condition Assessment;
 - e. Historic Resource Evaluation Part 1;
 - f. Historic Resource Potential Impact Study;
 - g. Seismic Study (ASCE 31-03 Tier 1 Evaluation Report);
 - h. Accessibility Assessment (ADA) Report; and
 - i. Fire & Life Safety Assessment Report
4. CIP Budget Sheet for Community Center Improvements

Attachment 1

Property Condition Assessment Summary

ATTACHMENT 1 PROPERTY CONDITION ASSESSMENT SUMMARY

Structural Issues

No significant structural deficiencies were identified that appear to pose an immediate threat to life safety or continued operation of the buildings. According to Partner, the structures appear to be in generally good repair. However, since these buildings were designed and constructed under older building codes, it appears that the expected seismic performance of the structures may not meet current life safety performance objectives in their current configurations.

Recommendations: The following recommendations were suggested to maintain the long term serviceability of the structures:

Main Building A – Community Center

- The building has a raised wood floor with a substructure crawl space. The piers that are visible from the interior two access openings have dirt over the concrete pads, in contact with the wood blocks and piers. The dirt covering the subarea piers should be lowered and removed or redistributed to separate the top of the pier and the wood post from the exposed dirt.
- There is a large vertical crack in the north basement wall near the northeast corner of the basement. The crack in the basement wall should be repaired by epoxy adhesive injection and monitored for further settlement cracking.
- As reported previously, there are a number of seismic improvements needed (e.g. additional roof sheathing, roof-to-wall anchoring, and blocking).

Building B – Headstart Classrooms

- As reported in the previous seismic study and by Partner, there are a few seismic upgrades recommended due to lack of adequate shear walls for the lateral seismic loads along the north side of the building and lack of adequate roof and wall sheathing.

Building C – Rainbow School Classrooms

- As reported in the previous seismic study and by Partner, there are a few seismic upgrades recommended due to lack of adequate shear walls for the lateral seismic loads in the north-south direction.

Roofing

Observed areas of the roofing system appeared to be in fair to good overall condition. According to building maintenance records, all roof systems were installed around or before 1995. No active roof leaks were reported at the time of the assessment. Pitched roofs are in fair condition, with some shingles having been replaced.

Recommendations:

- At the main Community Center building there are some areas of degradation and exposed felts at the south end of the roof where it meets the parapet; this area requires roof membrane replacement;
- The skylights in the Dining Hall are in fair condition with framing and glazing in poor condition. The skylight framing and glazing appear to be salvageable, but need work. Flashing at the skylight curb is damaged and needs to be repaired. Cleaning of the skylight frame and panes, as well as sealant replacement, are recommended;
- Observed sections of parapet and coping appeared to be in fair to poor condition and need maintenance/replacement; and
- The roofing of the Dining Hall should be replaced.

Site Hardscape

Walkways appear to be in good overall condition. Pavement was observed in generally fair condition at the front parking area; the pavement at the south, back parking area was observed in poor condition. The asphalt seal coat and pavement markings appear to be in poor condition. The asphalt pavement was noted to be severely cracked and worn in many locations. Displacement of pavement and potholes were also noted.

Recommendation: Based on the estimated useful life (EUL) and apparent condition, a mill, grind, and overlay of parking areas is recommended as well as periodically resealed asphalt surfaces. An opinion of cost is included in Table 2 of the PCA. Periodic application of water-repelling sealant to concrete walkways is also recommended.

Exterior Walls

The exterior walls of all buildings are in good overall condition. No signs of water intrusion or past leaks were noted or reported. Painting, replacing of building sealants, repairs to minor stucco cracks and wood ceiling repairs have been performed by on site staff and can be part of the regular maintenance.

Windows and Doors

Generally, the windows appeared to be, and were reported to be, in good to fair overall condition. No obvious signs of window leaks were evident. Original wood windows at the Community Center building will require refinishing. The original high wood windows at the Assembly Room/Auditorium show general age deterioration. All wood windows throughout the building need to be stripped and refinished with proper sealant and paint. The vinyl windows at the east elevation of the main building exhibit a jamb mechanism problem and they need to be repaired for better function. These units appear to be residential-grade and may not have been the proper units for this use.

Heating, Ventilation and Air Conditioning (HVAC)

One of the two single rooftop HVAC split units of Building B located on the walkway south roof does not appear to be operational. Maintenance of the unit should be performed but replacement is recommended. No other issues were observed.

Plumbing

The plumbing systems were reported to be in good overall condition. Observation of visible piping at water heaters and plumbing stub-outs indicates that the piping is copper. Evidence of leaks or faulty piping was not observed. However, since the Partner inspection, two leaks did occur inside a wall of one of the Headstart classrooms (since repaired). Routine maintenance is anticipated during the 10-year evaluation period.

Multiple gas-fired water heaters serve the buildings. The water heaters appeared to be in good overall condition. Two of the units were reported to be four years old and are not anticipated to require replacement during the 10-year evaluation period. However, one is expected to be replaced early in the term.

Sanitary drainage and vent piping is reported and observed to be cast iron and PVC.

Electrical and Lighting

Electrical service is provided to the property with underground lines connected to a utility-owned transformer located at the basement of the main building. Two electrical services are provided for the Community Center and Buildings B and C. Each service consists of 400 amp, 120/240 volts, three-phase, four wire services. Breaker subpanels for lighting and convenience outlets are located at the kitchen area and corridors of the Community Center building.

Electrical branch wiring was observed and reported to be copper. House panels are located throughout the buildings and generally consists of 200 amp, 120/240 volts single phase, three wire panels. Ground-fault interrupter circuits were observed in the kitchen.

Electrical service was reported to be adequate for the current demands of the facility. Observed switchgear, circuit breaker panels, electrical meter and wiring components appeared to be in good overall condition. Infrared scans of the electrical switchgear and panels throughout the property revealed all equipment is in good condition and no deficiencies were noted. Although there was some observation of old knob-and-tube wiring, this was disconnected at some point and none of this wiring was in service any longer.

The interior lighting is a combination of surface and suspended fluorescent or incandescent fixtures. Observed light fixtures appeared to be, and were reported to be, in good overall condition.

Interior Finishes

Observed building finishes and furniture, fixtures and equipment (FF&E) appeared to be in good condition. Based on their estimated remaining useful life (RUL), wall painting, replacement of carpet and vinyl flooring will be required during the 10-year evaluation period. Areas of hardwood floor will need to be sanded and refinished. Kitchen appliances were presented in good condition with no significant deficiencies.

Replacement of equipment will be required during the evaluation period. Common public restrooms look in good condition with the exception of missing insulated wrap drain pipes below lavatory and alarm horn lights. This work can be part of routine maintenance.

Landscaping and Irrigation

Trimming is recommended for some trees to avoid foliage contact with the building. Based on the limited scope and cost, this work should be conducted as part of routine maintenance.

Parking

Proper signage indicating accessible parking spaces for cars and vans are not provided and no van-accessible parking spaces are designated but two can be striped as such.

Other Site Amenities

The gazebo is in generally good condition, but is showing signs of deterioration, lack of maintenance and age. Consideration should be given to replacing the gazebo within the 10-year evaluation term. Also, the gazebo is not provided with an accessible ramp. An opinion of cost for this work is noted in Section 9.0.

Attachment 2

Historic Resource Evaluation Summary

ATTACHMENT 2 HISTORIC RESOURCE EVALUATION SUMMARY

Both the National Register and California Register have four basic criteria under which a property may be considered eligible for listing. It can be found significant under one or more of the following criteria:

- *Criterion A/1 (Events)*: Properties associated with events that have made a significant contribution to the broad patterns of our history;
- *Criterion B/2 (Person)*: Properties associated with the lives of persons significant in our past;
- *Criterion C/3 (Architecture)*: Properties that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant distinguishable entity whose components lack individual distinction; and
- *Criterion D/4 (Information Potential)*: Properties that have yielded, or may be likely to yield, information important in prehistory or history.

Although the Community Center building is the work of a notable local architect and engineer, Louis N. Crawford, and originally a good example of Mediterranean Revival architecture, alterations to the building have removed key features (such as the original red tile roofing and wooden windows on the west and east sides) that have impacted its ability to meet Criterion C/3 (architecture). Nonetheless, the building has sufficient integrity under Criterion A/1 to be eligible for the National Register and California Register.

The Community Center could potentially regain its eligibility under Criterion C/3 if its missing, or altered features, particularly the red-tile roof, were restored per the Secretary of Interior's (SOI's) *Standards for the Treatment of Historic Properties*. However, restoration of the missing features is not required, as the building has sufficient integrity to convey its significance as the Goleta Union School under Criterion A/1. The essential physical features that enable the building to convey its historic integrity and should be preserved include:

- **Character-defining features**, which are those elements or architectural components that establish the visual character of the property; and
- **Significant spaces**, which are rooms or spaces that are important to a property because of their size, height, proportion, configuration, and function.

Pages 6 and 7 of Page & Turnbull's Potential Impact Study include an extensive list and detailed descriptions of the Community Center's character-defining features and significant spaces.

The SOI's *Standards for the Treatment of Historic Properties* are a series of concepts about maintaining, repairing, and replacing historic materials, as well as designing new additions or making alterations, that promote best practices to help protect historic and

cultural resources. They provide a framework for making decisions about work or changes to a historic property.

Under CEQA, projects that comply with the SOI Standards are presumed to have a less than significant adverse impact to historic resources. Conversely, a project would have a significant impact on historic resources if it would result in a substantial adverse change in the significance of a historic resource. A substantial adverse change in significance includes, but is not limited to:

- Demolition of a significant resource;
- Conversion, rehabilitation, or alteration of a significant resource which does not conform to the SOI Standards and SOI Guidelines; or
- Construction that reduces the integrity or significance of important resources on the site or in the vicinity.

Alternatively, if SOI Standards-compliance cannot be established, projects that retain the historic resource's eligibility for at least the California Register may also avoid significant adverse impacts to historic resources. This evaluation is done on a case-by-case basis and depends on the historic resource, and how much a proposed project will impact its historic character.

The SOI Standards offer four approaches to the treatment of historic properties: Preservation, Rehabilitation, Restoration, and Reconstruction. Rehabilitation is defined as the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features which convey its historical, cultural, or architectural values. The standards for rehabilitation are too many to list here (see page 12 of the report).

The SOI Standards are supplemented by the *Guidelines for Treatment of Historic Properties* (SOI Guidelines) that offer general design and technical recommendations in applying the SOI Standards to a specific property.

California Historic Building Code

Since the Community Center has been determined eligible for the National Register and California Register, it qualifies to take advantage of the California Historical Building Code (CHBC), Title 24, Part 8 of the California Code of Regulations. The CHBC is intended to provide solutions for the preservation of qualified historical buildings or properties, to promote sustainability, to provide access for persons with disabilities, to provide a cost-effective approach to preservation, and to provide for reasonable safety of the occupants or users. Rather than strict compliance with current codes, the CHBC requires the enforcing agency to accept alternative provisions that provide a reasonable level of safety to occupants.

Attachment 3
Binder of Special Studies

Attachment 3A
Binder of Special Studies
Air/Water Quality Report

August 12, 2016

Ms. Claudia Dato, Senior Project Manager
City of Goleta
130 Cremona Drive, Suite B
Goleta, CA 93117

Subject: Air and Water Quality Testing
Goleta Valley Community Center
Head Start Program and Rainbow School
5679 Hollister Avenue
Goleta, CA 93117
FCG Project Code: City of Goleta-01

Dear Ms. Dato:

FCG Environmental (FCG) recently conducted air and water quality testing activities at the Goleta Valley Community Center campus. FCG Staff conducted field sampling services at the site on June 30, 2016. This investigation was conducted to assess the various classrooms and buildings at the subject site for potential air (mold/fungus, asbestos) and water quality issues. This report documents the findings of our inspection.

1.0 BACKGROUND & SCOPE OF WORK

Background: The subject site is the Goleta Valley Community Center, which is a former school campus located on Hollister Avenue in downtown Goleta. The campus includes several buildings that are currently used for a variety of community services, including adult education, recreation, child care and private school instruction. The following is a summary of buildings inspected as part of this assessment:

- **Building A:** Main Community Center Building, includes the main auditorium, dining room, kitchen and various classrooms, meeting rooms and office areas.
- **Building B:** Classroom building occupied by Head Start Program, St. Terese Classical Academy and K-Long Fitness.
- **Building C:** Classroom building occupied by Rainbow School.
- **Building C - Annex:** Portable classrooms (3) also occupied by Rainbow School.

FCG was asked to conduct air and water sampling assessment within representative areas of the structures to assess for potential mold and/or moisture issues, and air and water quality.

Scope of Services: FCG conducted the following services to determine the potential for air and water quality issues at the site:

- **Water Sampling Assessment:** Our assessment included the collection of water samples from representative rooms and common areas within each building section to document potential metals contamination from piping systems, along

with general water quality conditions from the main supply inlet at the time of our assessment. All water samples were forwarded for analysis to CAPCO Analytical, a state-certified laboratory located in Ventura, California.

- *Mold & Moisture Sampling Assessment:* Our assessment included a brief inspection of representative classrooms and areas throughout each building and classroom to check for signs mold growth, obvious water damage or elevated moisture conditions. Our assessment was limited primarily to the collection of air samples from representative areas within each building to document air quality conditions at the time of our assessment. At least one surface sample was taken from an area of suspected mold growth. Limited field testing using hand held moisture meter equipment was conducted in areas of suspected water intrusion. All microbial air and surface samples were forwarded for analysis to Natural Link Mold Laboratory, a qualified microbiology laboratory located in Reno, Nevada.
- *Asbestos Air Sampling Assessment:* An asbestos survey was originally completed in 1990 as part of the City's Asbestos Management Plan. Asbestos containing materials were limited primarily to asbestos flooring materials (vinyl tiles, mastics, vinyl sheet flooring), with some limited areas of friable duct insulation or duct wrap noted. We did not perform a survey of the various buildings to confirm if these materials have been abated. Our assessment was limited to the collection of air samples from representative areas within each building to document airborne fiber counts for possible exposure issues. All asbestos air samples were forwarded for analysis to Forensic Analytical Laboratory, a qualified asbestos laboratory located in Rancho Dominguez, California.
- *IAQ Parameters:* FCG used field instrumentation to collect indoor air quality readings, including temperature, relative humidity, carbon monoxide, carbon dioxide, volatile organics, hydrogen sulfide and oxygen levels. Levels were recorded in each individual room or area inspected.
- *Data Evaluation:* All field observations and analytical results have been evaluated and recommendations for remedial action have been included in this report.

2.0 WATER QUALITY TESTING

Water samples were collected from each building within the Community Center campus, with emphasis on sources of drinking water sources such as drinking fountains, sinks, etc. taken from individual rooms and common areas. Laboratory analysis was conducted for lead and other heavy metals content due to the potential for leaching from lead solder joints and older piping systems. The main water supply was analyzed for a variety of general drinking water standards, including: general minerals, disinfectant by-products, coliform bacteria, organic compound and heavy metals.

Laboratory Analysis: Water samples were collected from various drinking water sources and analyzed for heavy metals, including lead, zinc, copper and arsenic to determine possible contamination of water supply lines from leaching of metals or erosion of solder joints, etc. In addition to this sampling, collected samples from the main water supply inlet of general minerals, coliform bacteria, organic compounds, disinfectant by-products and heavy metals for general water quality testing.

Table 2.1 - Drinking Water Sources – Metals Analysis

Sample Location	Lead (ug/L)	Copper (ug/L)	Arsenic (ug/L)	Zinc (ug/L)
GVCC – Office Sink	2.0	270	BQL	89
GVCC – Kitchen Sink	1.1	78	BQL	29
GVCC – Women's RR Sink	BQL	38	1.1	78
GVCC – Men's RR Sink	0.8	59	BQL	41
GVCC – Drinking Fountain	0.7	520	BQL	81
GVCC – Hose Bib	4.3	120	BQL	414
Building B – Room 9A/PD	7.1	11	BQL	660
Building B – Drinking Fountain 9A	3.1	8.9	BQL	1,200
Building B – 10B Sink	3.2	9.0	BQL	766
Building B – 11A Bathroom Sink	BQL	77	BQL	22
Building B – St. Teresa 14A Sink	1.5	650	BQL	350
Building C – RR Sink Outside	9.0	47	1.0	1,040
Building C – Fountain Room 10	1.0	59	BQL	68
Building C – Room 10 Sink Inside	8.0	59	BQL	170
Building C – Room 11 Sink	1.5	160	BQL	80
Building C – Room 12 Ext. DF	1.4	76	BQL	45
Building C – Room 13 Ext. DF	0.9	260	BQL	86
Building C – Room 13 DF	15	570	BQL	430
Building C – Room 12 DF	12	150	BQL	240
Building C Annex – Room 6 Sink	0.9	130	BQL	170
Building C Annex – Room 7 Sink	0.8	48	BQL	28
Building C Annex – Room 8 Sink	1.0	45	BQL	18
CA Drinking Water Standard	15	1,300	10	5,000
All data reported in micrograms per liter (ug/L) or parts per billion (ppb) equivalent. BQL = Below Quantification Limit (per laboratory analytical method)				

Sample Location	Lead (ug/L)	Copper (ug/L)	Arsenic (ug/L)	Zinc (ug/L)
Bold listing indicates concentration at or above drinking water standard				

Drinking Water Sampling – Main Supply Inlet: FCG staff sampled the main water supply coming into the campus. The following tables provide a summary of water quality analytical results from our on-site sampling:

Table 2.2: Main Water Supply - Inorganic Metals Analysis

Compound	Result (ug/L)	MCL/CA Standard	Comments
Aluminum	BQL	50-200*	Secondary MCL
Antimony	BQL	6	
Arsenic	1.1	10	
Barium	43	2000	
Beryllium	BQL	4	
Cadmium	BQL	5	
Chromium	BQL	100	
Copper	BQL	1.3	0.3 MCLG/PHG
Lead	BQL	15 (TT)	0.2 MCLG/PHG
Mercury	BQL	2	
Nickel	2.0	100	
Selenium	6.4	50	
Silver	BQL	100	
Thallium	BQL	2	
Vanadium	1.3	--	Not regulated, monitored by GWD (3.6 in 2014)
Other metals (Copper, Magnesium, Zinc, etc.) analyzed as part of General Minerals MCL Goals			

Table 2.3: Main Water Supply -General Minerals Analysis

Compound	Result (mg/L)	CA Standard (mg/L)	Comments
Alkalinity	295	1000 (secondary MCL)	Not regulated. Monitored by GWD (20-500 in 2014)
Bicarbonate	295	--	Not regulated. Monitored by GWD (190-430 in 2014)
Carbonate	BQL	--	
Hydroxide	BQL	--	
Total Hardness	480	--	Not regulated, monitored by GWD (ND-0.52 in 2014)
Chloride	55	500 (secondary MCL)	Monitored by GWD (20-500 in 2014)
Fluoride	0.58	2.0	1.0 PHG/MCLG, monitored by GWD (0.26-0.55 in 2014)
Nitrate (as N)	1.1	10	
Sulfate	240	500 (secondary MCL)	Monitored by GWD (100-300 in 2014)
Total Dissolved Solids (TDS)	800	1000 (secondary MCL)	Monitored by GWD (600-2000 in 2014)
MBAS Surfactants	BQL	--	Not regulated. Testing for soaps or foaming agents.
Boron	0.10	--	Not regulated. Not monitored by

Compound	Result (mg/L)	CA Standard (mg/L)	Comments
			GWD.
Calcium	120	--	
Copper	BQL	1.3	
Iron	BQL	300 (secondary MCL)	Monitored by GWD (ND-1000 in 2014)
Magnesium	31	--	Not regulated, monitored by GWD (33-46 in 2014)
Manganese	BQL	50 (secondary MCL)	
Potassium	1.8	--	Not regulated, monitored by GWD (1.6 – 4.5 in 2014)
Sodium	62	--	Not regulated, monitored by GWD (42-110 in 2014)
Zinc	BQL	--	
MCLs and Secondary MCLs per current CA Code per Title 22 for drinking water. Goleta Water District (GWD) monitoring report dated 2015 (from 2014 sampling event) per website (see attached)			

Table 2.4: Volatile Organic Compounds (VOCs) by EPA 524.2

Compound	Result (ug/L)	MCL or TT (ug/L)	Comments
Bromodichloromethane	9.2	--	Not regulated, monitored by GWD (ND-0.52 in 2014)
Bromoform	4.0	--	
Chloroform	5.7	--	
Dibromodichloromethane	12	--	
Total Trihalomethanes	31	80	Monitored by GWD (9-70, 60 average in 2014)
Trihalomethanes are a by-product of disinfection treatment of water systems and are commonly found.			

Table 2.5: Halogenated Acetic Acids (HAA5) by EPA 552.3

Compound	Result (ug/L)	MCL or TT (ug/L)	
Dibromoacetic acid	2.8	--	
Dichloroacetic acid	ND	--	
Monobromoacetic acid	ND	--	
Monochloroacetic acid	ND	--	
Trichloroacetic acid	1.8	--	
Total HAA's	5.3	60	Monitored by GWD (ND-20, 20 average in 2014)

Table 2.6: Other Water Quality Parameters

Additional Testing Results			
Item	Result	MCL or TT	Comments
pH	7.2	--	
Specific Conductivity	1175 uS/cm*	1600*	(secondary MCL)
Total Coliform	Absent		
E. Coli Bacteria	Absent		
Gross Alpha Particles	2.27 pCi/L **		
*Specific Conductivity measured in micro-Siemens per centimeter (uS/cm) **Gross Alpha measured in picoCuries per liter (pCi/L)			

Summary of Water Quality Analysis: Based on our evaluation of drinking water sources and main supply inlet water, we conclude the following:

- The drinking water sources within the various buildings and classrooms were tested for lead, copper, arsenic and zinc. These metals can leach into the water supply from soldered joints, corrosion and erosion within plumbing lines and systems. Only one sample showed lead concentrations at or above the recommended action level of 15 micrograms per liter (or parts per billion) which was collected from a drinking water fountain located at Building C, Room 13.
- Lead and copper are regulated by a treatment technique that requires systems to control the corrosiveness of their water. If more than 10% of tap water samples exceed the action level, water systems must take additional steps. For lead, the action level is 0.015 mg/L or 15 ppb.
- The general water quality analysis revealed that the main water supply feeding the campus was within the various parameters required for drinking water systems. We have attached the 2015 Water Quality Report provided by the Goleta Water District for your review.

3.0 Indoor Air Quality (IAQ) Testing:

FCG monitored general indoor air quality through random grab sampling using a field instrument specially designed to read temperature (°F), relative humidity (RH %), carbon monoxide (CO) and carbon dioxide (CO₂). The IAQ-Calc Indoor Air Quality Meter (TSI Model 8762) was used to take random samples during our site inspection. The following is a summary of findings from this testing. It should be noted that the ASHRAE standard is a recommended level for comfort purposes only and is not definitive.

Table 3: Indoor Air Quality Parameters

Location	Temp (°F)	Relative Humidity (%)	Carbon Monoxide (ppm)	Carbon Dioxide (ppm)	VOCs (methane)	O ₂	H ₂ S
Outside Background							
Main Courtyard	70.0	58.2	0.0	343	0	20.9	0
Main Community Center							
Room 8	70.5	63.3	0.0	396	0	20.9	0
Room 7	74.8	56.1	0.0	383	0	20.9	0
Room 6	NA		0.0		0	20.9	0
Office	73.9	59.2	0.0	396	0	20.9	0
Dining Hall	75.9	55.6	0.0	399	0	20.9	0
Room 1	73.5	54.4	0.0	432	0	20.9	0
Corridor	73.6	52.5	0.0	364	0	20.9	0
Room 2	74.3	56.1	0.0	600	0	20.9	0
Room 4	74.8	54.3	0.0	493	0	20.9	0
Auditorium	74.8	55.6	0.0	426	0	20.9	0
Office	75.6	54.6	0.0	404	0	20.9	0
Room 5	74.5	55.2	0.0	463	0	20.9	0
Room 6	75.0	57.4	0.0	920	0	20.9	0
Room 7	74.8	61.4	0.0	1260	0	20.9	0
Room 8	74.1	56.7	0.0	674	0	20.9	0

Location	Temp (°F)	Relative Humidity (%)	Carbon Monoxide (ppm)	Carbon Dioxide (ppm)	VOCs (methane)	O ₂	H ₂ S
Building B							
Room 14A	73.4	49.3	0.0	411	0	20.9	0
Office	73.8	55.1	0.0	473	0	20.9	0
Room 9A	72.9	49.0	0.0	1071	0	20.9	0
Building C							
Room 10	78.5	47.2	0.0	406	0	20.9	0
Room 13	76.9	47.0	0.0	511	0	20.9	0
Building C – Annex							
Room 6	78.4	44.2	0.0	381	0	20.9	0
Room 7	76.6	49.4	0.0	499	0	20.9	0
Room 8	75.1	50.8	0.0	897	0	20.9	0
ASHRAE Standards*	68 – 74.5	30 - 65	<9.0	Background +700 (1,027)	-	19.5 – 23.5%	-

Temperature: During our inspection on July 1, 2016, the outdoor temperature was noted at 70.0°F. Indoor temperatures ranged from 70.5°F – 77.9°F. According to the American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE) Standard 55-1992, temperature should be maintained between 73 to 79°F in summer months and 68 to 74.5°F in winter months. The temperature range indoors appears to be within acceptable range.

Conclusion: Temperature was within the acceptable range recommended by ASHRAE standards.

Relative Humidity (RH%): During our inspection, relative humidity (RH) outdoors was 58.2%, with indoor RH ranging from 47.2% to 63.3%. ASHRAE standards recommend maintaining RH at a range from 30 to 65%. Our readings were within the recommended levels. It should be noted that the recommended levels are primarily for comfort purposes, as low humidity may result in dryness of the skin, sinuses and respiratory tract, while elevated humidity may lead to condensation and microbial growth within HVAC ducting and building surfaces. It is important to note that weather conditions will directly affect humidity levels, particularly during periods of rain or heavy fog.

Conclusion: Relative Humidity was within the acceptable range according to ASHRAE standard 55-1992.

Carbon Monoxide (CO): Carbon monoxide is a colorless, odorless, poisonous gas which is a by-product of incomplete combustion. Typical sources of CO within a building may be related to exhausts from combustion equipment (heaters, gas-fired burners, etc.) or vehicle emissions from nearby roads or parking areas. During our assessment, CO readings were 0.0 ppm within all the areas tested, with an outdoor reading of 0.0 ppm. The EPA's recommended level over an 8-hour TWA (time-weighted average) is 9 ppm. The OSHA permissible exposure level is 50 ppm. All CO readings were well within the acceptable range. No indoor sources of combustion were noted.

Conclusion: Carbon monoxide gases were not detected during our assessment.

Carbon Dioxide (CO₂): Carbon dioxide levels are often an indicator of proper ventilation. CO₂ is a normal byproduct of respiration, combustion and other processes. Without proper ventilation and adequate fresh air to replenish the occupied spaces, CO₂ levels will typically rise. It is common for CO₂ levels to be higher indoors, particularly in

buildings with several occupants in a limited space. The ASHRAE standard recommends no more than 700 ppm CO₂ over the outdoor ambient levels, which are typically in the 300-400 ppm range. Indoor levels should typically be maintained under 1,000 ppm, but rarely present a significant health hazard even at levels of 10,000 ppm and greater. During our inspection, the outdoor CO₂ reading was 343 ppm. Indoor CO₂ readings from ranged from 364 ppm to 1260 ppm. Indoor levels were within the recommended ASHRAE standard of 700 ppm above the background/outdoor concentration, with the exception of Building B Room 7, which was 717 ppm above the outside level. This room had a meeting prior to our inspection which may have been the source of elevated readings.

Conclusion: CO₂ levels were found to be within the ASHRAE standard recommendation of no readings greater than 700 ppm above the ambient, outdoor level. Only one room had a slightly elevated reading, otherwise no concerns were noted.

Volatile Organic Compounds (VOCs): FCG staff used field instrumentation (RAE Systems MultiRAE) to screen for volatile organic compounds. The MultiRAE is an advanced portable multi-threat chemical detector and gas monitoring instrument. The instrument was calibrated to methane gas in order to detect possible natural gas, vapors or other volatile chemicals or flammable compounds.

Conclusion: None of the areas inspected showed evidence of detectable volatile compounds or methane gas.

Oxygen (O₂): The same field instrument used for screening volatile compounds was used to monitor oxygen levels throughout the different buildings and classrooms. All oxygen levels were within the normal, ambient range at roughly 21% (20.9%). Only if oxygen levels were found below 19.5% or above 23.5% would a potential health concern be presented.

Conclusion: All oxygen levels were within the normal, ambient range.

Hydrogen Sulfide (H₂S): Hydrogen sulfide gas is often discovered where bacterial growth is present, primarily from the decay of organic material. We found no H₂S readings in any of the areas tested.

Conclusion: No detectable hydrogen sulfide was found during our inspection.

4.0 MOLD & MOISTURE ASSESSMENT

FCG staff conducted limited inspection of each building to determine obvious concerns related to potential mold growth or moisture conductions. In addition to our visual inspection, FCG collected air samples from representative areas within each building to document airborne fungal spore counts. This testing was conducted along with outdoor sampling for comparison purposes.

Air Sampling for Microbial Contamination: FCG collected a total of 31 non-viable air samples for laboratory analysis. Samples were analyzed by Natural Link Mold Lab Inc. of Reno, Nevada, an AIHA Laboratory with EMPAT certification (#162969). Sample collection was conducted according to standard sampling methodologies used in indoor air quality assessments for microbial investigations. This included the use of a specially designed spore trap cassette (Allergenco-D) connected to a portable vacuum pump

(Zefon BioPump™) which is calibrated to 15 liters per minute. Samples are collected over a period of 5 minutes for a total sample volume of 75 liters. The cassette features an induction slit over a small glass slide which is coated with a sterile adhesive. The cassette acts as a spore trap device which traps the airborne mold spores as they are pulled into the cassette by the vacuum pump. Each collected sample is sealed, labeled with a unique identification number and forwarded to a qualified laboratory for analysis. Each sample is analyzed by direct microscopic examination by a trained microbiologist. This is a non-viable method where the analyst identifies various spore types to genus level.

The methods used for data interpretation are consistent with published industry documents including: Bioaerosols: Assessment and Control, published by the American Conference of Governmental Industrial Hygienist (ACGIH) 1999; and Mold Sampling and Assessment; Indoor Environmental Standard Organization (IESO), 2002. These standards are used in conjunction with our professional experience in reviewing and evaluating analytical data. The data is evaluated to review total spore counts and individual mold types to determine the hierarchy of mold species found. Ideally, indoor air spore counts should be comparable to outdoor, baseline levels with similar hierarchy or distribution of individual species. If indoor counts are significantly higher or show an obvious variation with the outdoor baseline, mold amplification or growth within the interior may be indicated. Air sample data should always be evaluated in conjunction with a visual inspection, moisture readings, surface sampling and other parameters to provide an overall picture of site conditions.

The following table provides a brief summary of the air sample results collected during our assessment. Please refer to the Attachments section at the end of this report for a complete copy of the laboratory analytical data.

Table 1: Non-Viable Air Sample Results

Sample ID	Sample Location	Total Count (s/m ³)	Mold Types Detected (s/m ³)
Building A – Goleta Valley Community Center			
A-3	Room 3 (Offices)	2,190	Cladosporium – 1,600 Basidiospores – 270 Penicillium/Aspergillus – 200 Ascospores – 67 Alternaria – 40 Ulocladium – 13
A-4	Room 4 (Dance Room)	854	Cladosporium – 600 Ascospores – 67 Basidiospores – 67 Penicillium/Aspergillus – 67 Aureobasidium – 27 2 other mold types @ 13
A-5A	Room 5A	616	Cladosporium – 270 Basidiospores – 200 Ascospores – 67 Penicillium/Aspergillus – 53 2 other mold types @ 13
A-5B	Room 5B (Audubon)	734	Cladosporium – 470 Ascospores – 130 Basidiospores – 67 Penicillium/Aspergillus – 67

Sample ID	Sample Location	Total Count (s/m ³)	Mold Types Detected (s/m ³)
A-6	Room 6	173	Basidiospores – 80 Cladosporium – 80 Epicoccum – 13
A-7	Room 7	240	Cladosporium – 200 Basidiospores – 27 Botrytis – 13
A-8	Room 8	1,440	Cladosporium – 930 Basidiospores – 270 Ascospores – 130 Penicillium/Aspergillus – 110
A-Kitchen	Kitchen Area	2,467	Cladosporium – 1,000 Ascospores – 730 Basidiospores – 530 5 other mold types @ ≤ 27
A-Office	GVCC Offices	1,434	Cladosporium – 1,100 Smuts/Myxomycetes – 93 Alternaria – 67 Ascospores – 67 Basidiospores – 67 Aureobasidium – 40
A-Dining	GVCC Dining Room	1,187	Cladosporium – 800 Ascospores – 200 Basidiospores – 67 Penicillium/Aspergillus – 67 Smuts/Myxomycetes – 27 2 other mold types @ 13
A-Auditorium	GVCC Auditorium	1,563	Cladosporium – 870 Basidiospores – 270 Penicillium/Aspergillus – 210 Ascospores – 200 Smuts/Myxomycetes – 13
Building B – Headstart Program			
B-Office	Headstart Main Office	1,641	Cladosporium – 730 Basidiospores – 470 Ascospores – 200 Penicillium/Aspergillus – 67 Smuts/Myxomycetes – 67 Alternaria – 53 2 other mold types @ ≤ 27
B-9A-PD	Room 9 Classroom	3,193	Cladosporium – 2,200 Basidiospores – 730 Ascospores – 130 Penicillium/Aspergillus – 67 Alternaria – 53 4 other mold types @ ≤ 27
B-10A	Room 10A Support Services	1,537	Cladosporium – 1,300 Basidiospores – 130 Ascospores – 67 2 other mold types @ ≤ 27
B-10B	Room 10B EHS Classroom	1,747	Cladosporium – 670 Penicillium/Aspergillus – 560 Basidiospores – 330 Ascospores – 67 Alternaria – 53 3 other mold types @ ≤ 27
B-11A-1A	Room 11A-1A Classroom	1,733	Cladosporium – 870 Penicillium/Aspergillus – 400

Sample ID	Sample Location	Total Count (s/m ³)	Mold Types Detected (s/m ³)
			Basidiospores – 200 Ascospores – 130 Alternaria – 67 4 other mold types @ ≤ 27
B-11B	Goleta II Center Office	1,733	Cladosporium – 730 Basidiospores – 470 Ascospores – 130 Penicillium/Aspergillus – 67 Smuts/Myxomycetes – 40 7 other mold types @ ≤ 27
B-12A-1B	Room 12A-1B Classroom	1,494	Cladosporium – 800 Basidiospores – 400 Ascospores – 67 Penicillium/Aspergillus – 67 Smuts/Myxomycetes – 53 5 other mold types @ ≤ 27
B-14B	Room 14B Health Services	852	Cladosporium – 670 Basidiospores – 130 4 other mold types @ 13
Building C – Rainbow School			
C-6	Classroom 6	2,039	Cladosporium – 1,300 Ascospores – 290 Basidiospores – 130 Alternaria – 80 Penicillium/Aspergillus – 67 Aureobasidium – 53 Smuts/Myxomycetes – 53 4 other mold types @ ≤ 27
C-7	Classroom 7	1,838	Cladosporium – 1,100 Ascospores – 330 Penicillium/Aspergillus – 130 Basidiospores – 67 Alternaria – 53 Aureobasidium – 40 8 other mold types @ ≤ 27
C-8	Classroom 8	1,891	Cladosporium – 1,300 Aureobasidium – 130 Basidiospores – 130 Penicillium/Aspergillus – 130 Alternaria – 67 Ascospores – 67 Smuts/Myxomycetes – 67
C-10	Building C Annex Classroom 10	1,759	Cladosporium – 1,600 Ascospores – 67 5 other mold types @ ≤ 27
C-11	Building C Annex Classroom 11	2,157	Cladosporium – 1,200 Basidiospores – 330 Penicillium/Aspergillus – 200 Smuts/Myxomycetes – 120 Alternaria – 80 Ascospores – 67 Rusts – 40 6 other mold types @ ≤ 27
C-12	Building C Annex Classroom 12	2,282	Cladosporium – 1,500 Ascospores – 200 Basidiospores – 200 Penicillium/Aspergillus – 130 Oidium – 53

Sample ID	Sample Location	Total Count (s/m ³)	Mold Types Detected (s/m ³)
			<i>Smuts/Myxomycetes</i> – 53 <i>Scopulariopsis</i> – 40 6 other mold types @ ≤ 27
C-13	Building C Annex Classroom 13	1,159	<i>Cladosporium</i> – 670 <i>Ascospores</i> – 200 <i>Basidiospores</i> – 130 <i>Smuts/Myxomycetes</i> – 67 6 other mold types @ ≤ 27
Outside/Background Reference Samples			
OS-1	Outside, Background Rear Parking Area	3,368	<i>Cladosporium</i> – 2,200 <i>Basidiospores</i> – 470 <i>Penicillium/Aspergillus</i> – 270 <i>Ascospores</i> – 200 <i>Smuts/Myxomycetes</i> – 110 8 other mold types @ ≤ 27
OS-2	Outside, Background Front of Building A	5,170	<i>Cladosporium</i> – 3,800 <i>Ascospores</i> – 470 <i>Basidiospores</i> – 270 <i>Beltrania</i> – 230 <i>Nigrospora</i> – 93 <i>Alternaria</i> – 67 <i>Penicillium/Aspergillus</i> – 67 <i>Smuts/Myxomycetes</i> – 53 <i>Unidentified conidia</i> – 53 3 other mold types @ ≤ 27
All data reported in spores per cubic meter (s/m ³)			

Air Sample Results Summary:

- All of the non-viable air samples collected from interior classrooms, offices and common areas of the subject site revealed total airborne mold spore concentrations that were within the outdoor background levels detected at the time of the inspection (240 – 3,193 s/m³ inside vs. 3,368 & 5,170 s/m³ outside).
- Similarly, all of the interior non-viable air samples revealed individual mold spore types that were within the corresponding background levels, or at such low concentrations that they should not pose any significant health risk.
- No concerns regarding airborne mold spore amplification were indicated within the interior areas tested as part of our inspection.

Mold & Moisture Inspection and Surface Sampling: Our inspection included a very brief and limited inspection of site conditions to check for evidence of mold growth, water intrusion, odors or similar concerns. Moisture readings were taken from areas of concern or suspect growth. The following is a summary of our observations:

Building B – Classroom 9A-PD

- This classroom has two sinks located on the west wall near the northwest corner.
- Water damage and suspect mold growth were noted on the wood base shelves and lower walls within both sink cabinets. This is typical of routine leaking from the sink plumbing, water filtration systems or from stored liquids within the cabinet. One surface tape-lift sample was collected from the base shelf in the adult sink (Sample B-9A-PD), with significant growth of *Chaetomium* indicated. See Section 4.0 for details.

- Moisture readings taken from selected areas on the base shelves and side wall of the adult sink cabinet were found to be elevated (>20% on wood scale).
- One air sample was collected from the center of the classroom (Sample B-9A-PD) for documentation purposes, with no air quality concerns noted. See Section 3.0 for details.

Classroom C-8 (Annex): This is a portable classroom used by the Rainbow School. There was a strong odor in the west side of the classroom near the student restroom. According to staff, the toilet in this room has overflowed numerous times. No obvious mold growth was found and moisture levels were only slightly elevated. One air sample taken from this room showed no obvious concerns or contamination.

GVCC Room 5B: The hallway between Room 5A (conference room) and the Audubon Society office had a musty odor consistent with past roofing leaks or other water intrusion. No visible evidence of mold growth or obvious water damage was noted. The air sample taken from this area was within normal, background levels.

General: Minor areas of water staining were noted, particularly in the kitchen and restroom area, typical of an older building with long-term use of water fixtures (sinks, toilets, etc.). Limited areas of damaged ceiling tiles or stained plaster were noted, indicating past roofing leaks. No other obvious concerns related to mold growth or moisture intrusion were noted in the areas inspected. No elevated moisture readings were found in the limited areas inspected. It should be noted that per the terms of our proposal, our inspection was primarily limited to air sampling only and did not include a thorough visual and physical inspection of all areas and materials.

Surface Sampling: FCG collected one surface tape-lift sample from the sink cabinet in Building B, Room 9A. This was taken from an area of apparent fungal growth during our inspection. The sample was analyzed by direct microscopic examination using non-viable or non-culturable methods. This section provides a summary of laboratory analytical data from the collected sample. Please refer to the attachments to this report for a full copy of the laboratory analytical results.

Table 2: Non-Viable Surface Sample Results

Sample ID	Sample Location	Mold Growth Observed*
T-1	Building B Classroom 9A-PD Sink Cabinet Base Shelf	<i>Chaetomium</i> – 5 (Nearly Confluent)
Mold growth rated on a scale of 1 to 5, with 5 being the most significant. Please see the attached lab report for additional information.		

Surface Sample Results Summary: The surface sample collected from within the sink cabinet (T-1) of Room B-9 indicated nearly confluent growth of *Chaetomium*. Remediation is warranted within the sink cabinet area, based on surface sample results and visual observation.

5.0 ASBESTOS AIR SAMPLING ASSESSMENT

Asbestos air samples were collected from representative areas within all buildings to document the presence/absence of airborne asbestos fibers. A total of 19 air samples were collected using high volume pumps and PCM cassettes equipped with 0.8-micron filters. The total volume for each of the collected air samples ranged from 1,200–1,700 liters. Air samples were submitted to Forensic Analytical Laboratories, a CA certified laboratory located in Rancho Dominguez, CA for analysis by Phase Contrast Microscopy (PCM) methods.

Table 5.1: Asbestos Air Sampling Results

Sample ID	Sample Location	Sample Volume (Liters)	Lab Result (f/cc)
A-1	Building B – Room 12A	1200	0.003
A-2	Building B – Room 11A	1200	0.008
A-3	Building B – Room 10B	1200	0.003
A-4	Building C – Room 13	1200	<0.002
A-5	Building C – Room 12	1200	<0.002
A-6	Building C – Room 11	1210	0.003
A-7	Building C – Room 10	1200	<0.002
A-8	Bldg. C Annex – Room 6	1220	<0.002
A-9	Bldg. C Annex – Room 7	1200	0.003
A-10	Bldg. C Annex – Room 8	1200	0.005
A-11	Bldg. B – Room 9A	1395	<0.002
A-12	GVCC – Dining Hall	1200	<0.002
A-13	GVCC – Auditorium	1200	<0.002
A-14	GVCC – Room 6	1200	<0.002
A-15	GVCC – Room 7	1200	<0.002
A-16	GVCC – Room 8	1200	<0.002
A-17	GVCC – Room 1	1300	0.006
A-18	GVCC – Office	1600	<0.002
A-19	Bldg. B – Room 13B	1700	<0.002
OSHA Permissible Exposure Level (PEL) =			0.10
EPA's Recommended Clearance Level =			0.01
<i>Please see the attached laboratory analytical report for additional information.</i>			

Asbestos Air Sample Results: All of the interior air samples collected from representative areas within each building revealed airborne fiber concentrations which were well below the OSHA Permissible Exposure Limit and the EPA's recommended criteria for abatement projects of 0.01 fibers/cc. A complete copy of the Forensic Analytical Laboratory report is provided in the Attachments section.

6.0 CONCLUSIONS & RECOMMENDATIONS

Conclusions: FCG has completed environmental testing of air and water quality conditions at the Goleta Valley Community Center and the associated classroom buildings. Based on our observations and evaluation of laboratory analytical data, we conclude the following:

Water Quality

- Drinking water sources (sinks, drinking fountains, etc.) within the various buildings and classrooms were tested for lead, copper, arsenic and zinc. These metals can leach into the water supply from soldered joints, corrosion and erosion within plumbing lines and systems. Only one sample showed lead concentrations at or above the recommended action level of 15 micrograms per liter (or parts per billion) which was collected from a drinking water fountain located at Building C in Room 13.
- The general water quality analysis revealed that the main water supply feeding the campus was within the various parameters required for drinking water systems.

Indoor Air Quality Parameters

- FCG used field instrumentation to record various indoor air quality parameters, including: temperature, relative humidity, carbon monoxide, carbon dioxide, volatile organics (methane), oxygen and hydrogen sulfide. All readings were within the acceptable range, with no concerns noted.

Mold & Moisture

- Representative air samples collected from interior classrooms, offices and common areas of the subject site revealed total airborne mold spore concentrations that were within the outdoor background levels detected at the time of the inspection (240 – 3,193 s/m³ inside vs. 3,368 & 5,170 s/m³ outside).
- The individual mold types detected indoors were within the corresponding background levels found outdoors, or at such low concentrations that they should not pose any concerns to the occupants.
- No concerns regarding airborne mold spore concentrations were indicated within the areas tested on site as part of our assessment.
- Limited areas of visible staining consistent with suspect mold growth or water intrusion. Surface mold growth was confirmed through surface sampling within the sink cabinet of Classroom 9A in Building B. Additional areas of water staining, odors or similar concerns were noted in limited areas of the site.

Asbestos Air Testing

- A total of 19 air samples were taken from representative classrooms, offices and common areas throughout the site buildings. All of the asbestos fiber counts were well below the OSHA Permissible Exposure Limit of 0.1 f/cc and the EPA's recommended clearance level of 0.01 f/cc using Phase Contract Microscopy (PCM) testing methodology.
- A previous asbestos survey was conducted in 1990, with a variety of materials listed, including vinyl flooring, mastics and duct insulation materials. The materials inspected appeared to be in good condition with no concerns noted.

However, it should be noted that we did not conduct reinspection or asbestos bulk sampling to confirm the presence of asbestos containing materials as part of this project.

Recommendations:

- **Water Quality:** Only one drinking water supply sample was found to contain lead concentrations at the recommended action level of 15 ppb (Drinking fountain within Building C, Room 13). The plumbing lines to this device should be replaced to remove lead soldered joints, or the fountain should be taken out of service until replaced or repaired.
- **Mold & Moisture:** The areas of identified mold growth or water intrusion should be remediated or further investigated as necessary. This includes the sink cabinet located inside Building B, Classroom 9A. A licensed mold remediation contractor should be retained to conduct repairs as necessary. Additional areas of water intrusion, staining, odors or similar concerns should be investigated further as necessary to ensure optimal site conditions.
- **Asbestos:** If not already in place, an Asbestos Operations & Maintenance Program should be developed in order to ensure compliance with asbestos regulations and ensure contractors, maintenance personnel or occupants do not disturb asbestos containing materials. An O&M Plan should include an inventory of identified Asbestos Containing Materials (ACM) located on site, with plans and procedures for proper handling, training, warnings and notifications, etc. Please contact FCG for additional information regarding this matter.

Limitations Statement

The data compiled and evaluated as part of this assessment was limited and may not represent all conditions at the subject site. Mold infestation normally occurs within areas hidden from view (i.e. crawlspaces, wall cavities, plumbing chases, etc.), making it difficult to locate and define microbial contamination issues. Air and bulk sampling can provide some guidance, but should not be considered definitive. This assessment reflects the data collected from specific locations tested to identify microbial conditions in those locations and therefore, should not be considered comprehensive or all encompassing. The findings from this report have been based solely upon the subjective evaluation of limited data collected during this assessment. All data collection, findings, conclusions and recommendations presented within this report are based upon limited data using current standard practices accepted within the industry.

The data collected during this assessment and any resulting recommendations shall be used only by the client for the site described in this report. Any use or reliance of this report, including any of its information or recommendations by a third party without the explicit authorization of FCG or the client shall be strictly at the risk of the third party.

Currently there are no federal or state standards for the assessment or abatement of microbiological contaminated sites. No acceptable thresholds or health standards have been implemented for mold exposure. Biological pollutants found at elevated concentrations have the potential to cause impacts to human health. These impacts may be limited to allergic reactions such as nasal congestion, watery eyes, runny nose, sneezing, coughing, itching or similar responses. Other responses may include fatigue, headaches, or more serious health problems such as asthma, viral infections, fevers, various forms of pneumonia, and similar respiratory problems. Responses will differ greatly between individuals depending on a number of factors, such as the sensitivity of the individual to a particular biological pollutant and their pre-existing health conditions. FCG Environmental cannot and will not provide medical advice or opinions as to the associated health problems encountered from exposure to biological pollutants. If individuals are experiencing symptoms they should consult their personal physician or an appropriate medical care provider.

If you have any questions or concerns regarding the information provided, please do not hesitate to call us at 805.646.1995.



Dana Stephens, Staff Professional
Certified Microbial Investigator (ACAC)



Alan Forbess, Principal Consultant
Certified Asbestos Consultant #94-1549
Certified Microbial Consultant (ACAC)

Attachments: 1 – Water Quality Analytical Reports, including GWD 2015 Report
2 – Natural Link Laboratory Analytical Report (mold/fungi)
3 – Forensic Analytical Lab Report for Asbestos Air Samples
4 – FCG Staff Certifications

Attachments

1 – Water Quality Analytical Results

2 – Mold/Fungi Analytical Results

3 – Asbestos Air Sample Results

4 – FCG Inspector Certifications

Attachment 1

Water Quality Analytical Results



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

Prepared for: Forbess Consulting Group Env.
1009 Mercer Avenue
Ojai, CA 93023
Attn: Alan Forbess

Report Date: July 13, 2016
Laboratory Number: 161511
Project Name: Goleta Valley Comm. Center-01
Project No: City of Goleta-01
Sampled by: Client

Enclosed are the analysis results for samples received July 1, 2016 with the Chain of Custody document. The samples were received in good condition, at 10°C, and they were identified and assigned the laboratory ID numbers listed below:

<u>SAMPLE DESCRIPTION</u>	<u>CAS LAB NUMBER ID</u>
GVCC-Office Sink	161511-01
GVCC-Kitchen Sink	161511-02
GVCC-Women's RR Sink	161511-03
GVCC-Men's RR Sink	161511-04
GVCC-Drinking Fountain	161511-05
GVCC-Hose Bib	161511-06
Bldg. B-Room 9A/PD	161511-07
Bldg. B-Drinking Fountain 9A	161511-08
Bldg. B-10B Sink	161511-09
Bldg. B-11A Bathroom Sink	161511-10
Bldg. B-St Teresa 14A Sink	161511-11
Bldg. C-RR Sink outside	161511-12
Bldg. C-Fountain Rm 10	161511-13
Bldg. C-Room 10 Sink inside	161511-14
Bldg. C-Room 11 Sink	161511-15
Bldg. C-Room 12	161511-16
Bldg. C-Room 12 Ext. DF	161511-17
Bldg. C-Room 13 Ext. DF	161511-18
Bldg. C-Room 13 DF	161511-19
Bldg. C-Room 12 DF	161511-20

Pg. 1 of 2



Analytical Services, Inc.

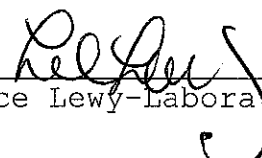
Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

Prepared for: Forbess Consulting Group Env.
1009 Mercer Avenue
Ojai, CA 93023
Attn: Alan Forbess

Report Date: July 13, 2016
Laboratory Number: 161511
Project Name: Goleta Valley Comm. Center-01
Project No: City of Goleta-01
Sampled by: Client

<u>SAMPLE DESCRIPTION</u>	<u>CAS LAB NUMBER ID</u>
C-Annex Rm 6 Sink	161511-21
C-Annex Rm 7 Sink	161511-22
C-Annex Rm 7 Sink	161511-23
C-Annex Rm 8 Sink	161511-24

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.



Lance Lewy-Laboratory Director

If you have any further questions or concerns, please contact me at your convenience. This report consists of 26 pages excluding the cover letter and the Chain of Custody.

This report shall not be reproduced except in full without the written approval of CAS. The test results reported represent only the item being tested and may not represent the entire material from which the sample was taken.

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
----------	---------	-------	----	-----	--------	----------

CAS Lab#: 161511-01
Sample ID: GVCC-Office Sink

Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	270	ug/L	1	2.0	200.8	07/07/16
Lead	2.0	ug/L	1	0.5	200.8	07/07/16
Zinc	89	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
----------	---------	-------	----	-----	--------	----------

CAS Lab#: 161511-02

Sample ID: GVCC-Kitchen Sink

Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	78	ug/L	1	2.0	200.8	07/07/16
Lead	1.1	ug/L	1	0.5	200.8	07/07/16
Zinc	29	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
----------	---------	-------	----	-----	--------	----------

CAS Lab#: 161511-03

Sample ID: GVCC-Women's RR Sink

Arsenic	1.1	ug/L	1	1.0	200.8	07/07/16
Copper	38	ug/L	1	2.0	200.8	07/07/16
Lead	BQL	ug/L	1	0.5	200.8	07/07/16
Zinc	78	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-04						
Sample ID: GVCC-Men's RR Sink						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	59	ug/L	1	2.0	200.8	07/07/16
Lead	0.8	ug/L	1	0.5	200.8	07/07/16
Zinc	41	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental	Date Sampled: 06/30/16
CAS LAB NO: 161511	Date Received: 07/01/16
Analyst: ABE	Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-05						
Sample ID: GVCC-Drinking Fountain						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	520	ug/L	1	2.0	200.8	07/07/16
Lead	0.7	ug/L	1	0.5	200.8	07/07/16
Zinc	81	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-06						
Sample ID: GVCC-Hose Bib						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	120	ug/L	1	2.0	200.8	07/07/16
Lead	4.3	ug/L	1	0.5	200.8	07/07/16
Zinc	414	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-07						
Sample ID: Bldg. B-Room 9A/PD						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	11	ug/L	1	2.0	200.8	07/07/16
Lead	7.1	ug/L	1	0.5	200.8	07/07/16
Zinc	660	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
----------	---------	-------	----	-----	--------	----------

CAS Lab#: 161511-08

Sample ID: Bldg. B-Drinking Fountain 9A

Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	8.9	ug/L	1	2.0	200.8	07/07/16
Lead	3.1	ug/L	1	0.5	200.8	07/07/16
Zinc	1200	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
----------	---------	-------	----	-----	--------	----------

CAS Lab#: 161511-09

Sample ID: Bldg. B-10B Sink

Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	9.0	ug/L	1	2.0	200.8	07/07/16
Lead	3.2	ug/L	1	0.5	200.8	07/07/16
Zinc	766	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-10						
Sample ID: Bldg. B-11A Bathroom Sink						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	77	ug/L	1	2.0	200.8	07/07/16
Lead	BQL	ug/L	1	0.5	200.8	07/07/16
Zinc	22	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-11						
Sample ID: Bldg. B-St. Teresa 14A Sink						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	650	ug/L	1	2.0	200.8	07/07/16
Lead	1.5	ug/L	1	0.5	200.8	07/07/16
Zinc	350	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-12						
Sample ID: Bldg. C-RR Sink outside						
Arsenic	1.0	ug/L	1	1.0	200.8	07/07/16
Copper	47	ug/L	1	2.0	200.8	07/07/16
Lead	9.0	ug/L	1	0.5	200.8	07/07/16
Zinc	1040	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-13						
Sample ID: Bldg. C-Fountain Room 10						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	59	ug/L	1	2.0	200.8	07/07/16
Lead	1.0	ug/L	1	0.5	200.8	07/07/16
Zinc	68	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-14						
Sample ID: Bldg. C-Room 10 Sink inside						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	59	ug/L	1	2.0	200.8	07/07/16
Lead	8.0	ug/L	1	0.5	200.8	07/07/16
Zinc	170	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
----------	---------	-------	----	-----	--------	----------

CAS Lab#: 161511-15
Sample ID: Bldg. C-Room 11 Sink

Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	160	ug/L	1	2.0	200.8	07/07/16
Lead	1.5	ug/L	1	0.5	200.8	07/07/16
Zinc	80	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-16						
Sample ID: Bldg. C-Room 12						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	160	ug/L	1	2.0	200.8	07/07/16
Lead	1.0	ug/L	1	0.5	200.8	07/07/16
Zinc	120	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-17						
Sample ID: Bldg. C-Room 12 Ext. DF						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	76	ug/L	1	2.0	200.8	07/07/16
Lead	1.4	ug/L	1	0.5	200.8	07/07/16
Zinc	45	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental	Date Sampled: 06/30/16
CAS LAB NO: 161511	Date Received: 07/01/16
Analyst: ABE	Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-18						
Sample ID: Bldg. C-Room 13 Ext. DF						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	260	ug/L	1	2.0	200.8	07/07/16
Lead	0.9	ug/L	1	0.5	200.8	07/07/16
Zinc	86	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental	Date Sampled: 06/30/16
CAS LAB NO: 161511	Date Received: 07/01/16
Analyst: ABE	Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-19						
Sample ID: Bldg. C-Room 13 DF						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	570	ug/L	1	2.0	200.8	07/07/16
Lead	15	ug/L	1	0.5	200.8	07/07/16
Zinc	430	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-20						
Sample ID: Bldg. C-Room 12 DF						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	150	ug/L	1	2.0	200.8	07/07/16
Lead	12	ug/L	1	0.5	200.8	07/07/16
Zinc	240	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-21						
Sample ID: C-Annex Rm6-Sink						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	130	ug/L	1	2.0	200.8	07/07/16
Lead	0.9	ug/L	1	0.5	200.8	07/07/16
Zinc	170	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-22						
Sample ID: C-Annex Rm7-Sink						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	48	ug/L	1	2.0	200.8	07/07/16
Lead	0.8	ug/L	1	0.5	200.8	07/07/16
Zinc	28	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161511-23						
Sample ID: C-Annex Rm7 Sink						
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	240	ug/L	1	2.0	200.8	07/07/16
Lead	1.4	ug/L	1	0.5	200.8	07/07/16
Zinc	44	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)
DF: Dilution Factor
BQL: Below Practical Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161511
Analyst: ABE

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
----------	---------	-------	----	-----	--------	----------

CAS Lab#: 161511-24

Sample ID: C-Annex-Rm8 Sink

Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	45	ug/L	1	2.0	200.8	07/07/16
Lead	1.0	ug/L	1	0.5	200.8	07/07/16
Zinc	18	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit

QUALITY CONTROL SECTION



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

QUALITY CONTROL SECTION

Sample ID: Method Blank
CAS LAB NO: 161511-MB

Analyst: ABE

TOTAL METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
Arsenic	BQL	ug/L	1	1.0	200.8	07/07/16
Copper	BQL	ug/L	1	2.0	200.8	07/07/16
Lead	BQL	ug/L	1	0.5	200.8	07/07/16
Zinc	BQL	ug/L	1	3.0	200.8	07/07/16

ug/L: Micrograms/Liter (ppb)

DF: Dilution Factor

BQL: Below Practical Quantitation Limit

PQL: Practical Quantitation Limit

PINK COPY

CAPCO ANALYTICAL SERVICES

1536 Eastman Avenue, Suite B
Ventura, CA 93003
(805) 644-1095 Fax 644-9947
www.capcoenv.com

CHAIN OF CUSTODY RECORD

REPORT
Company: FCC ENV. Fax: _____
Address: _____
Email: _____
Phone: _____ Contact: _____

BILL TO:
Company: EAME P.O.# _____
Address: _____
Phone: _____ Contact: _____

PROJ. NO. City of Goleta-01 PROJECT NAME GVC

SAMPLERS: (Signature) Adam Stalwa

CONTAINER TYPES
A = AMBER B = BRASS G = GLASS
P = PLASTIC V = VOA VIAL O = OTHER

SAMPLE NO.	DATE SAMPLED	TIME SAMPLED	COMP	GRAB	SAMPLE IDENTIFICATION	MATRIX			
						WATER	SOIL	SURGE	OTHER
16	6/30/16				BAG - Room 12	X			
17					" - " " EXT D.F.	X			
18					" - RM 13 " "	X			
19					" - Room 13 EXT	X			
20					" - Room 12 D.F.	X			
21					C-Annex RM 6-sink	X			
22					" " RM 7 - "	X			
23					" " " - "	X			
24					" " RM 8-sink	X			

ANALYSIS
Pb, Zn, Cd, As

161511

161511

PAGE 2
OF 2

The undersigned hereby acknowledges having received a copy of the Fee Schedule/General Information and Conditions, the provisions of which are a part of this agreement.

Relinquished by: (Signature) <u>Adam Stalwa</u>	Date/Time <u>7/1/16 10:30</u>	Received by: (Signature) <u>[Signature]</u>
Relinquished by: (Signature)	Date/Time	Received by: (Signature)

TURN AROUND TIME
STANDARD ☒ OTHER _____
24 HOURS ☐
48 HOURS ☐
72 HOURS ☐

CHECK ONE BOX:
DISPOSE SAMPLES ☐
RETURN SAMPLES ☐

Prepared for: Forbess Consulting Group Env.
1009 Mercer Avenue
Ojai, CA 93023
Attn: Alan Forbess

Report Date: July 19, 2016
Laboratory Number: 161512
Project Name: Goleta Valley Comm. Center
Project No: City of Goleta-01
Sampled by: Client

Enclosed are the analysis results for samples received July 1, 2016 with the Chain of Custody document. The sample was received in good condition, at 10°C, and it was identified and assigned the laboratory ID number listed below:

SAMPLE DESCRIPTION

CAS LAB NUMBER ID

GVCC-Main Source Water

161512-01

By my signature below, I certify that the results contained in this laboratory report comply with applicable standards for certification by the California Department of Public Health's Environmental Laboratories Accreditation Program (ELAP), both technically and for completeness, and that, based on my inquiry of the person or persons directly responsible for performing the analyses, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.



Lance Lewy-Laboratory Director

If you have any further questions or concerns, please contact me at your convenience. This report consists of 25 pages excluding the cover letter and the Chain of Custody.

This report shall not be reproduced except in full without the written approval of CAS. The test results reported represent only the item being tested and may not represent the entire material from which the sample was taken.

CERTIFICATE OF ANALYSIS

 Client: FCG Environmental
 CAS LAB NO: 161512
 Analyst: ABE

 Date Sampled: 06/30/16
 Date Received: 07/01/16
 Sample Matrix: Water

INORGANIC METALS SUMMARY

COMPOUND	RESULTS	UNITS	DF	PQL	METHOD	ANALYZED
=====						
CAS Lab#: 161512-01						
Sample ID: GVCC-Main Source Water						
Aluminum	BQL	µg/L	1	100	200.7	07/05/16
Antimony	BQL	µg/L	1	2	200.8	07/07/16
Arsenic	1.1	µg/L	1	1	200.8	07/07/16
Barium	43	µg/L	1	1	200.8	07/07/16
Beryllium	BQL	µg/L	1	0.5	200.8	07/07/16
Cadmium	BQL	µg/L	1	0.5	200.8	07/07/16
Chromium	BQL	µg/L	1	2	200.8	07/07/16
Lead	BQL	µg/L	1	1	200.8	07/07/16
Mercury	BQL	µg/L	1	0.5	245.1	07/07/16
Nickel	2.0	µg/L	1	1	200.8	07/07/16
Selenium	6.4	µg/L	1	2	200.8	07/07/16
Silver	BQL	µg/L	1	1	200.8	07/07/16
Thallium	BQL	µg/L	1	1	200.8	07/07/16
Vanadium	1.3	µg/L	1	1	200.8	07/07/16

 DF: Dilution Factor
 ug/L: Micrograms/Liter(ppb)
 BQL: Below Quantitation Limit
 PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

CERTIFICATE OF ANALYSIS

Client: FCG Environmental
CAS LAB NO: 161512-01
Sample ID: GVCC-Main Source Water
Analyst: AN/ABE/GP

Date Sampled: 06/30/16
Date Received: 07/01/16
Sample Matrix: Water

GENERAL MINERAL SUMMARY

COMPOUND	RESULT	UNITS	DF	PQL	METHOD	ANALYZED
Alkalinity (CaCO ₃)	295	mg/L	1	10	2320 B	07/05/16
Bicarbonate (CaCO ₃)	295	mg/L	1	10	2320 B	07/05/16
Carbonate (CaCO ₃)	BQL	mg/L	1	10	2320 B	07/05/16
Hydroxide (CaCO ₃)	BQL	mg/L	1	10	2320 B	07/05/16
pH (Lab Analyzed)	7.2	S.U.	1	--	4500-H ⁺ B	07/01/16 11:10 AM
Total Hardness	480	mg/L	1	10	2340 C	07/05/16
Chloride	55	mg/L	1	0.20	300	07/01/16
Fluoride	0.58	mg/L	1	0.10	300	07/01/16
Nitrate (as N)	1.1	mg/L	1	0.05	300	07/01/16
Sulfate	240	mg/L	1	0.20	300	07/01/16
Spec. Conductivity	1175	µS/cm	1	1.0	120.1	07/01/16
T.D.S.	800	mg/L	1	10	2540 C	07/05/16
MBAS Surfactants	BQL	mg/L	1	0.1	5540 C	07/01/16
Boron	0.10	mg/L	1	0.05	200.7	07/05/16
Calcium	120	mg/L	1	0.1	200.7	07/05/16
Copper	BQL	mg/L	1	0.02	200.7	07/05/16
Iron	BQL	mg/L	1	0.05	200.7	07/05/16
Magnesium	31	mg/L	1	0.1	200.7	07/05/16
Manganese	BQL	mg/L	1	0.005	200.7	07/05/16
Potassium	1.8	mg/L	1	0.2	200.7	07/05/16
Sodium	62	mg/L	1	0.5	200.7	07/05/16
Zinc	BQL	mg/L	1	0.03	200.7	07/05/16

BQL: Below Quantitation Limit
PQL: Practical Quantitation Limit
T.D.S.: Total Dissolved Solids
mg/L: Milligrams/Liter (ppm)

Report Date: 07/05/16

Analysis: **Coliform/E-Coli Bacteria**

Fortress Consulting Group Environmental

Project Name: Goleta Valley Comm. Center

Att: Alan Forbess

Sampler: Alan Forbess

1009 Mercer Avenue

Matrix: Water

Ojai, CA 93023

Analyst: FF

Sample Handling Information

ID	CAS #	Description	Sample type	Sampled		Analysis	
				date	time	started	finished
1	161512-01	Source Water GVCC-Main	Drinking-Routine	06/30/16	1500	07/01/16	07/02/16
							1224

Analytical Results

ID	CAS #	Description	Chlorine total/ free	Temp °C	Method	Units	Total Coliform	E. Coli	Notified	
									Person	date
1	161512-01	Source Water GVCC-Main	N/A	10.0	SM 9223 B	A/P / 100ml	Absent	Absent	N/A	N/A

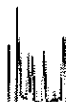
A/P: Absents / Presents

1536 Eastman Ave., Suite B, CA 93003 Phone:(805)644-1095 FAX:(805)644-9947 website: capcoenv.com



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Date of Report: 07/12/2016

Rosa Hernandez

Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Client Project: 161512-01 (Source Water GVCC-Main)
BCL Project: Water Samples
BCL Work Order: 1618106
Invoice ID: B240025

Enclosed are the results of analyses for samples received by the laboratory on 7/5/2016. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Contact Person: Vanessa Sandoval
Client Service Rep

Authorized Signature

Certifications: CA ELAP #1186; NV #CA00014; OR ELAP #4032-001; AK UST101

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Report ID: 1000498672

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com



Table of Contents

Sample Information

Chain of Custody and Cooler Receipt form.....	3
Laboratory / Client Sample Cross Reference.....	5

Sample Results

1618106-01 - 161512-01 (Source Water GVCC-Main)	
Volatile Organic Analysis (EPA Method 524.2).....	6
Halogenated Acetic Acids (Method EPA-552.3).....	7

Quality Control Reports

Volatile Organic Analysis (EPA Method 524.2)	
Method Blank Analysis.....	8
Laboratory Control Sample.....	9
Precision and Accuracy.....	10
Halogenated Acetic Acids (Method EPA-552.3)	
Method Blank Analysis.....	11
Laboratory Control Sample.....	12
Precision and Accuracy.....	13

Notes

Notes and Definitions.....	14
----------------------------	----

Chain of Custody and Cooler Receipt Form for 1618106 Page 1 of 2

BC LABORATORIES		4100 Atlas Court Bakersfield, Ca. 93308 (661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com	
* Required Fields		TEMP: 16-18/106	
Client/Company Name *		Report Attention *	
Capco Analytical Services		Rosa Hernandez	
Address *		Phone * #805 644-1095 FAX * #805 644 4497	
1536 Eastman Ave Ste B		E-mail: rherandez@capcoenv.com	
City * Ventura		State * CA	
Zip * 93003		Carbon Copies:	
Project Information:		CDHS <input type="checkbox"/> Fresno Co <input type="checkbox"/> EPA <input type="checkbox"/>	
161512-01 (Source Water GVCC-Main)		Merced Co <input type="checkbox"/> Tuare Co <input type="checkbox"/>	
How would you like your completed results sent? <input checked="" type="checkbox"/> E-Mail <input type="checkbox"/> Fax <input type="checkbox"/> EDD <input type="checkbox"/> Mail Only		Other:	
Sampler Name Printed / Signature		Regulatory Compliance Electronic Data Transfer: Y <input type="checkbox"/> N <input type="checkbox"/>	
QC Request <input type="checkbox"/> STD <input type="checkbox"/> Level II <input type="checkbox"/> STD <input type="checkbox"/> 5 Day** <input type="checkbox"/> 2 Day** <input type="checkbox"/> Day**		System No. *	
Matrix Types:		Comments / Station Code	
RSW = Raw Surface Water CEW = Chlorinated Water BW = Bottled Water		THMS	
RGW = Raw Ground Water FW = Finished Water WW = Waste Water SW = Storm Water DW = Drinking Water SO = Solid		HAA5	
Sample Description / Location *			
161512-01 (Source Water GVCC-Main)			
CHK BY DISTRIBUTION			
SUB-OUT			
Relinquished by: (Signature and Printed Name) Daniel Begalla		Received by: (Signature and Printed Name) BC Labs	
Relinquished by: (Signature and Printed Name) Daniel Begalla		Received by: (Signature and Printed Name) BC Labs	
Received for Lab by: (Signature and Printed Name) Daniel Begalla		Payment Received at Delivery:	
Shipping Method: CAO UPS GSO WALK-IN SUGAR EX OTHER		Date: 7/31/16	
Cooling Method: WET BLUE NONE		Amount: 1815	
Check/Cash/Card		PIA #	
Packing Material:		Ink	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Chain of Custody and Cooler Receipt Form for 1618106 Page 2 of 2

BC LABORATORIES INC.		COOLER RECEIPT FORM		Page <u>1</u> Of <u>1</u>							
Submission #: <u>16-18106</u>											
SHIPPING INFORMATION			SHIPPING CONTAINER		FREE LIQUID						
Fed Ex <input type="checkbox"/> UPS <input type="checkbox"/> Ontrac <input type="checkbox"/> Hand Delivery <input type="checkbox"/>			Ice Chest <input checked="" type="checkbox"/> None <input type="checkbox"/> Box <input type="checkbox"/>		YES <input type="checkbox"/> NO <input type="checkbox"/>						
BC Lab Field Service <input checked="" type="checkbox"/> Other <input type="checkbox"/> (Specify) _____			Other <input type="checkbox"/> (Specify) _____		(W) / S						
Refrigerant: Ice <input checked="" type="checkbox"/> Blue Ice <input type="checkbox"/> None <input type="checkbox"/> Other <input type="checkbox"/> Comments: _____											
Custody Seals Ice Chest <input type="checkbox"/> Containers <input type="checkbox"/> None <input checked="" type="checkbox"/> Comments: _____											
Intact? Yes <input type="checkbox"/> No <input type="checkbox"/> Intact? Yes <input type="checkbox"/> No <input type="checkbox"/>											
All samples received? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> All samples containers intact? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Description(s) match COC? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>											
COC Received		Emissivity: <u>0.95</u> Containers: <u>Amber</u> Thermometer ID: <u>208</u>		Date/Time: <u>7-5-16</u> (821)							
<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		Temperature: (A) <u>2.2</u> °C / (C) <u>2.2</u> °C		Analyst Init <u>71</u>							
SAMPLE CONTAINERS		SAMPLE NUMBERS									
		1	2	3	4	5	6	7	8	9	10
QT PE UNPRES											
4oz / 8oz / 16oz PE UNPRES											
2oz Cr ⁶											
QT INORGANIC CHEMICAL METALS											
INORGANIC CHEMICAL METALS 4oz / 8oz / 16oz											
PT CYANIDE											
PT NITROGEN FORMS											
PT TOTAL SULFIDE											
2oz. NITRATE / NITRITE											
PT TOTAL ORGANIC CARBON											
PT CHEMICAL OXYGEN DEMAND											
PIA PHENOLICS											
40ml YOA VIAL TRAVEL BLANK											
40ml YOA VIAL											
QT EPA 1664 HAA5		098	AB								
PT ODOR		089	C								
RADIOLOGICAL											
BACTERIOLOGICAL											
40 ml YOA VIAL- 504											
QT EPA 508/608/8080											
QT EPA 515.1/8150											
QT EPA 525											
QT EPA 525 TRAVEL BLANK											
40ml EPA 547											
40ml EPA 531.1											
8oz EPA 548											
QT EPA 549											
QT EPA 8015M											
QT EPA 8270											
8oz / 16oz / 32oz AMBER											
8oz / 16oz / 32oz JAR											
SOIL SLEEVE											
PCB VIAL											
PLASTIC BAG											
TEDLAR BAG											
FERROUS IRON											
ENCORE											
SMART KIT											
SUMMA CANISTER											

Comments:

Sample Numbering Completed By: ARL

A = Actual / C = Corrected

Date/Time: 7-5-16 1846

Rev 21 05/23/2016

IS:\WPDoc\WordPerfect\LAB_DOCS\FORMS\SAMRECrev 201

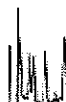
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



BC Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1618106-01	COC Number:	---	Receive Date:	07/05/2016 18:15
	Project Number:	---	Sampling Date:	06/30/2016 15:00
	Sampling Location:	---	Sample Depth:	---
	Sampling Point:	161512-01 (Source Water GVCC-Main)	Lab Matrix:	Water
	Sampled By:	Client	Sample Type:	Water

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

**BC Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Volatile Organic Analysis (EPA Method 524.2)

BCL Sample ID:	1618106-01	Client Sample Name:	161512-01 (Source Water GVCC-Main), 6/30/2016 3:00:00PM, Client					
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Bromodichloromethane	9.2	ug/L	0.50	0.14	EPA-524.2	ND		1
Bromoform	4.0	ug/L	0.50	0.27	EPA-524.2	ND		1
Chloroform	5.7	ug/L	0.50	0.12	EPA-524.2	ND		1
Dibromochloromethane	12	ug/L	0.50	0.13	EPA-524.2	ND		1
Total Trihalomethanes	31	ug/L	2.0	0.63	EPA-524.2	ND		1
1,2-Dichloroethane-d4 (Surrogate)	99.2	%	75 - 125 (LCL - UCL)		EPA-524.2			1
Toluene-d8 (Surrogate)	97.5	%	80 - 120 (LCL - UCL)		EPA-524.2			1
4-Bromofluorobenzene (Surrogate)	95.8	%	80 - 120 (LCL - UCL)		EPA-524.2			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-524.2	07/06/16	07/06/16 19:08	JMS	MS-V14	1	BZG0243

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

**BC Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Halogenated Acetic Acids (Method EPA-552.3)

BCL Sample ID:	1618106-01	Client Sample Name:	161512-01 (Source Water GVCC-Main), 6/30/2016 3:00:00PM, Client					
Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Dibromoacetic acid	2.8	ug/L	1.0	0.56	EPA-552.3	ND		1
Dichloroacetic acid	ND	ug/L	1.0	0.75	EPA-552.3	ND		1
Monobromoacetic acid	ND	ug/L	1.0	0.44	EPA-552.3	ND		1
Monochloroacetic acid	ND	ug/L	1.0	0.49	EPA-552.3	ND		1
Trichloroacetic acid	1.8	ug/L	1.0	0.72	EPA-552.3	ND		1
Total HAA's (Summation)	5.3	ug/L	1.0	1.0	EPA-552.3	ND		1
2,3-Dibromopropionic acid (Surrogate)	92.0	%	70 - 130 (LCL - UCL)		EPA-552.3			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-552.3	07/08/16	07/11/16 13:05	EO1	GC-3	1	BZG0707

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



BC Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BZG0243						
Bromodichloromethane	BZG0243-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BZG0243-BLK1	ND	ug/L	0.50	0.27	
Chloroform	BZG0243-BLK1	ND	ug/L	0.50	0.12	
Dibromochloromethane	BZG0243-BLK1	ND	ug/L	0.50	0.13	
Total Trihalomethanes	BZG0243-BLK1	ND	ug/L	2.0	0.63	
1,2-Dichloroethane-d4 (Surrogate)	BZG0243-BLK1	97.2	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BZG0243-BLK1	100	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BZG0243-BLK1	97.6	%	80 - 120 (LCL - UCL)		

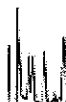
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Volatile Organic Analysis (EPA Method 524.2)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	Quals
QC Batch ID: BZG0243										
Bromodichloromethane	BZG0243-BS1	LCS	22.870	25.000	ug/L	91.5		70 - 130		
Bromoform	BZG0243-BS1	LCS	20.296	25.000	ug/L	81.2		70 - 130		
Chloroform	BZG0243-BS1	LCS	23.360	25.000	ug/L	93.4		70 - 130		
Dibromochloromethane	BZG0243-BS1	LCS	22.454	25.000	ug/L	89.8		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BZG0243-BS1	LCS	9.6900	10.000	ug/L	96.9		75 - 125		
Toluene-d8 (Surrogate)	BZG0243-BS1	LCS	9.9300	10.000	ug/L	99.3		80 - 120		
4-Bromofluorobenzene (Surrogate)	BZG0243-BS1	LCS	10.020	10.000	ug/L	100		80 - 120		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

**BC Laboratories, Inc.**

Environmental Testing Laboratory Since 1949

Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez**Volatile Organic Analysis (EPA Method 524.2)****Quality Control Report - Precision & Accuracy**

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits		
								Percent Recovery	Percent Recovery	Lab Quals
QC Batch ID: BZG0243		Used client sample: N								
Bromodichloromethane	MS	1618131-01	ND	23.153	25.000	ug/L		92.6		70 - 130
	MSD	1618131-01	ND	24.059	25.000	ug/L	3.8	96.2	20	70 - 130
Bromoform	MS	1618131-01	ND	20.321	25.000	ug/L		81.3		70 - 130
	MSD	1618131-01	ND	20.990	25.000	ug/L	3.2	84.0	20	70 - 130
Chloroform	MS	1618131-01	ND	23.741	25.000	ug/L		95.0		70 - 130
	MSD	1618131-01	ND	24.542	25.000	ug/L	3.3	98.2	20	70 - 130
Dibromochloromethane	MS	1618131-01	ND	22.847	25.000	ug/L		91.4		70 - 130
	MSD	1618131-01	ND	23.573	25.000	ug/L	3.1	94.3	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	MS	1618131-01	ND	9.8200	10.000	ug/L		98.2		75 - 125
	MSD	1618131-01	ND	9.9500	10.000	ug/L	1.3	99.5		75 - 125
Toluene-d8 (Surrogate)	MS	1618131-01	ND	9.8900	10.000	ug/L		98.9		80 - 120
	MSD	1618131-01	ND	10.050	10.000	ug/L	1.6	100		80 - 120
4-Bromofluorobenzene (Surrogate)	MS	1618131-01	ND	9.9300	10.000	ug/L		99.3		80 - 120
	MSD	1618131-01	ND	9.9700	10.000	ug/L	0.4	99.7		80 - 120

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Halogenated Acetic Acids (Method EPA-552.3)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BZG0707						
Dibromoacetic acid	BZG0707-BLK1	ND	ug/L	1.0	0.56	
Dichloroacetic acid	BZG0707-BLK1	ND	ug/L	1.0	0.75	
Monobromoacetic acid	BZG0707-BLK1	ND	ug/L	1.0	0.44	
Monochloroacetic acid	BZG0707-BLK1	ND	ug/L	1.0	0.49	
Trichloroacetic acid	BZG0707-BLK1	ND	ug/L	1.0	0.72	
Total HAA's (Summation)	BZG0707-BLK1	ND	ug/L	1.0	1.0	
2,3-Dibromopropionic acid (Surrogate)	BZG0707-BLK1	83.3	%	70 - 130 (LCL - UCL)		

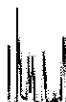
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Halogenated Acetic Acids (Method EPA-552.3)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits		Lab
								Percent Recovery	RPD	Quals
QC Batch ID: BZG0707										
Dibromoacetic acid	BZG0707-BS1	LCS	13.448	15.000	ug/L	89.7		70 - 130		
Dichloroacetic acid	BZG0707-BS1	LCS	13.196	15.000	ug/L	88.0		70 - 130		
Monobromoacetic acid	BZG0707-BS1	LCS	12.331	15.000	ug/L	82.2		70 - 130		
Monochloroacetic acid	BZG0707-BS1	LCS	13.376	15.000	ug/L	89.2		70 - 130		
Trichloroacetic acid	BZG0707-BS1	LCS	16.619	15.000	ug/L	111		70 - 130		
2,3-Dibromopropionic acid (Surrogate)	BZG0707-BS1	LCS	14.0	15.0	ug/L	93.5		70 - 130		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949

Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Halogenated Acetic Acids (Method EPA-552.3)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Control Limits			Lab
								Percent Recovery	RPD	Percent Recovery	
QC Batch ID: BZG0707		Used client sample: N									
Dibromoacetic acid	MS	1616196-49	ND	11.152	15.000	ug/L		74.3		70 - 130	
	MSD	1616196-49	ND	11.593	15.000	ug/L	3.9	77.3	30	70 - 130	
Dichloroacetic acid	MS	1616196-49	ND	11.519	15.000	ug/L		76.8		70 - 130	
	MSD	1616196-49	ND	11.904	15.000	ug/L	3.3	79.4	30	70 - 130	
Monobromoacetic acid	MS	1616196-49	ND	11.527	15.000	ug/L		76.8		70 - 130	
	MSD	1616196-49	ND	11.704	15.000	ug/L	1.5	78.0	30	70 - 130	
Monochloroacetic acid	MS	1616196-49	ND	12.794	15.000	ug/L		85.3		70 - 130	
	MSD	1616196-49	ND	13.612	15.000	ug/L	6.2	90.7	30	70 - 130	
Trichloroacetic acid	MS	1616196-49	ND	14.023	15.000	ug/L		93.5		70 - 130	
	MSD	1616196-49	ND	14.861	15.000	ug/L	5.8	99.1	30	70 - 130	
2,3-Dibromopropionic acid (Surrogate)	MS	1616196-49	ND	12.5	15.0	ug/L		83.4		70 - 130	
	MSD	1616196-49	ND	12.0	15.0	ug/L	3.8	80.3		70 - 130	

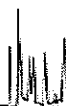
The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.



Laboratories, Inc.

Environmental Testing Laboratory Since 1949



Capco Analytical Services, Inc.
1536 Eastman Avenue Suite B
Ventura, CA 93003

Reported: 07/12/2016 10:55
Project: Water Samples
Project Number: 161512-01 (Source Water GVCC-Main)
Project Manager: Rosa Hernandez

Notes And Definitions

MDL Method Detection Limit
ND Analyte Not Detected
PQL Practical Quantitation Limit

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

July 18, 2016

Capco Analytical Services
1536 Eastman Ave., Ste B
Ventura, CA 93003

Lab ID : SP 1607509
Customer : 2-20901

Laboratory Report

Introduction: This report package contains total of 3 pages divided into 3 sections:

Case Narrative (1 pages) : An overview of the work performed at FGL.
Sample Results (1 page) : Results for each sample submitted.
Quality Control (1 page) : Supporting Quality Control (QC) results.

Case Narrative

This Case Narrative pertains to the following samples:

Sample Description	Date Sampled	Date Received	FGL Lab ID #	Matrix
161512-01 (Source Water GVCC-M	06/30/2016	07/05/2016	SP 1607509-001	WW

Sampling and Receipt Information: All samples were received in acceptable condition and within temperature requirements, unless noted on the Condition Upon Receipt (CUR) form. All samples arrived on ice. All samples were prepared and analyzed within the method specified hold time. All samples were checked for pH if acid or base preservation is required (except for VOAs). For details of sample receipt information, please see the attached Chain of Custody and Condition Upon Receipt Form.

Quality Control: All samples were prepared and analyzed according to the following tables:

Radio QC

900.0	07/12/2016:209834 All analysis quality controls are within established criteria
	07/11/2016:208058 All preparation quality controls are within established criteria

Certification:: I certify that this data package is in compliance with ELAP standards, both technically and for completeness, except for any conditions listed above. Release of the data contained in this data package is authorized by the Laboratory Director or his designee, as verified by the following electronic signature.

KD:DMB

Approved By **Kelly A. Dunnahoo, B.S.**

Digitally signed by Kelly A. Dunnahoo, B.S.
Title: Laboratory Director
Date: 2016-07-18

July 18, 2016

Lab ID : SP 1607509-001

Customer ID : 2-20901

Capco Analytical Services

1536 Eastman Ave., Ste B
Ventura, CA 93003

Sampled On : June 30, 2016-15:00

Sampled By : Alan Forbes

Received On : July 5, 2016-11:12

Matrix : Waste Water

Description : 161512-01 (Source Water GVCC-M)

Project : 585745

Sample Result - Radio

Constituent	Result ± Error	MDA	Units	MCL/AL	Sample Preparation		Sample Analysis	
					Method	Date/ID	Method	Date/ID
Radio Chemistry ^{P:1}								
Gross Alpha	2.86 ± 2.39	2.27	pCi/L		900.0	07/11/16-08:05 2P1608058	900.0	07/12/16-16:00 2A1609834

ND=Non-Detected. PQL=Practical Quantitation Limit. Containers: (P) Plastic Preservatives: N/A * PQL adjusted for dilution.

MDA = Minimum Detectable Activity (Calculated at the 95% confidence level) = Data utilized by DHS to determine matrix interference.

MCL / AL = Maximum Contamination Level / Action Level. Alpha's Action Level of 5 pCi/L is based on the Assigned Value (AV).

AV = Assigned Value(Gross Alpha Result + (0.84 x Error)). CCR Section 64442: Drinking Water Compliance Note: Do the following

If Gross Alpha's (AV) exceeds 5 pCi/L run Uranium. If Gross Alpha's (AV) minus Uranium exceeds 5 pCi/L run Radium 226.

Drinking Water Compliance:

Gross Alpha (AV) minus Uranium is less than or equal to 15 pCi/L

Uranium is less than or equal to 20 pCi/L

Radium 226 + Radium 228 is less than or equal to 5 pCi/L

Note: Samples are held for 3-6 months prior to disposal.

July 18, 2016
 Capco Analytical Services

Lab ID : SP 1607509
 Customer : 2-20901

Quality Control - Radio

Constituent	Method	Date/ID	Type	Units	Conc.	QC Data	DQO	Note
Radio								
Alpha	900.0	07/12/16:209834caa	CCV CCB	cpm cpm	8629	42.2 % 0.100	39 - 48 0.14	
Gross Alpha	900.0	07/11/16:208058ELC (CH 1675211-001)	Blank LCS MS MSD MSRPD	pCi/L pCi/L pCi/L pCi/L pCi/L	 107.4 107.4 107.4 107.4	 97.6 % 108 % 109 % 0.7%	 75-125 60-140 60-140 ≤30	
Definition CCV : Continuing Calibration Verification - Analyzed to verify the instrument calibration is within criteria. CCB : Continuing Calibration Blank - Analyzed to verify the instrument baseline is within criteria. Blank : Method Blank - Prepared to verify that the preparation process is not contributing contamination to the samples. LCS : Laboratory Control Standard/Sample - Prepared to verify that the preparation process is not affecting analyte recovery. MS : Matrix Spikes - A random sample is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. MSD : Matrix Spike Duplicate of MS/MSD pair - A random sample duplicate is spiked with a known amount of analyte. The recoveries are an indication of how that sample matrix affects analyte recovery. MSRPD : MS/MSD Relative Percent Difference (RPD) - The MS relative percent difference is an indication of precision for the preparation and analysis. DQO : Data Quality Objective - This is the criteria against which the quality control data is compared.								

QUALITY CONTROL SECTION

QUALITY CONTROL SECTION

Sample ID: Method Blank
CAS LAB NO: 161512-MB

Analyst: ABE

INORGANIC METALS SUMMARY

COMPOUND	RESULT	UNITS	DF	PQL	METHOD	ANALYZED
Aluminum	BQL	µg/L	1	100	200.7	07/05/16
Antimony	BQL	µg/L	1	2	200.8	07/07/16
Arsenic	BQL	µg/L	1	1	200.8	07/07/16
Barium	BQL	µg/L	1	1	200.8	07/07/16
Beryllium	BQL	µg/L	1	0.5	200.8	07/07/16
Cadmium	BQL	µg/L	1	0.5	200.8	07/07/16
Chromium	BQL	µg/L	1	2	200.8	07/07/16
Lead	BQL	µg/L	1	1	200.8	07/07/16
Mercury	BQL	µg/L	1	0.5	245.1	07/07/16
Nickel	BQL	µg/L	1	1	200.8	07/07/16
Selenium	BQL	µg/L	1	2	200.8	07/07/16
Silver	BQL	µg/L	1	1	200.8	07/07/16
Thallium	BQL	µg/L	1	1	200.8	07/07/16
Vanadium	BQL	µg/L	1	1	200.8	07/07/16

DF: Dilution Factor
µg/L: Micrograms/Liter(ppb)
BQL: Below Quantitation Limit
PQL: Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994
California State Accredited Laboratory in Accordance with ELAP Certificate # 2332

QUALITY CONTROL SECTION

Client: FCG Environmental
Sample ID: Method Blank
Sample Matrix: Water

CAS LAB NO: 161512-MB
Analyst: ABE/AN

GENERAL MINERAL SUMMARY

COMPOUND	RESULT	UNITS	DF	PQL	METHOD	ANALYZED
Alkalinity (CaCO ₃)	BQL	mg/L	1	10	2320 B	07/05/16
Bicarbonate (CaCO ₃)	BQL	mg/L	1	10	2320 B	07/05/16
Carbonate (CaCO ₃)	BQL	mg/L	1	10	2320 B	07/05/16
Hydroxide (CaCO ₃)	BQL	mg/L	1	10	2320 B	07/05/16
Total Hardness	BQL	mg/L	1	10	2340 C	07/05/16
T.D.S.	BQL	mg/L	1	10	2540 C	07/05/16
MBAS Surfactants	BQL	mg/L	1	0.1	5540 C	07/01/16
Boron	BQL	mg/L	1	0.05	200.7	07/05/16
Calcium	BQL	mg/L	1	0.1	200.7	07/05/16
Copper	BQL	mg/L	1	0.02	200.7	07/05/16
Iron	BQL	mg/L	1	0.05	200.7	07/05/16
Magnesium	BQL	mg/L	1	0.1	200.7	07/05/16
Manganese	BQL	mg/L	1	0.005	200.7	07/05/16
Potassium	BQL	mg/L	1	0.2	200.7	07/05/16
Sodium	BQL	mg/L	1	0.5	200.7	07/05/16
Zinc	BQL	mg/L	1	0.03	200.7	07/05/16

BQL: Below Quantitation Limit
PQL: Practical Quantitation Limit
T.D.S.: Total Dissolved Solids
mg/L: Milligrams/Liter (ppm)



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994

Quality Control Report

Client: FCG Env. Date Sampled: 06/30/16
Sample ID: Date Received: 07/01/16
CAS LAB NO: 161512 Date Analyzed: 07/01/16
Sample Matrix: WATER Analyst: GP

Sample Name	Qualifier	Sample Result	QC Result	Unit	Spike Level	%REC	Control Limits
<u>Chloride (by EPA 300)</u>							
Method Blank			BQL	mg/L			
Lab Control Sample			29.87	mg/L	30	100	80-120
161502-01 Matrix							
Spike		23.56	54.35	mg/L	30	103	90-110
161502-01 Matrix							
Spike Duplicate		23.56	55.28	mg/L	30	106	90-110
<u>Fluoride (by EPA 300)</u>							
Method Blank			BQL	mg/L			
Lab Control Sample			10.24	mg/L	10	102	80-120
161502-01 Matrix							
Spike		0.68	11.53	mg/L	10	109	90-110
161502-01 Matrix							
Spike Duplicate		0.68	11.64	mg/L	10	110	90-110

mg/L: Milligrams/Liter (ppm)

%Rec: Percent Recovered

BQL: Below Practical Quantitation Limit



Analytical Services, Inc.

Environmental and Analytical Services-Since 1994

Quality Control Report

Client: FCG Env.
Sample ID:
CAS LAB NO: 161512
Sample Matrix: WATER
Date Sampled: 06/30/16
Date Received: 07/01/16
Date Analyzed: 07/01/16
Analyst: GP

Sample Name	Qualifier	Sample Result	QC Result	Unit	Spike Level	%REC	Control Limits
<u>Nitrate as N (by EPA 300)</u>							
Method Blank			BQL	mg/L			
Lab Control Sample			10.37	mg/L	10	104	80-120
161502-01 Matrix							
Spike		3.26	13.71	mg/L	10	105	90-110
161502-01 Matrix							
Spike Duplicate		3.26	14.01	mg/L	10	107	90-110
<u>Sulfate (by EPA 300)</u>							
Method Blank			BQL	mg/L			
Lab Control Sample			30.17	mg/L	30	101	80-120
161502-01 Matrix							
Spike		86.05	116.74	mg/L	30	102	90-110
161502-01 Matrix							
Spike Duplicate		86.05	117.06	mg/L	30	103	90-110

mg/L: Milligrams/Liter (ppm)

%Rec: Percent Recovered

BQL: Below Practical Quantitation Limit

CAPCO ANALYTICAL SERVICES

1536 Eastman Avenue, Suite B
Ventura, CA 93003
(805) 644-1095 Fax 644-9947
www.capcoenv.com

CHAIN OF CUSTODY RECORD

REPORT

Company FCG ENV. Fax _____
Address 1009 Mercer
City San Jose Email afarbes@fcgenviron.com
Phone 805/646144 Contact A. Farbes

BILL TO:

Company _____
Address _____
City _____
Phone _____ Contact _____

P.O.#

PROJ. NO PROJECT NAME

017 of Gdeta-01 Goleta Valley Comm. Center

SAMPLES: (Signature)

Alan Farbes

CONTAINER TYPES
A = AMBER B = BRASS G = GLASS
P = PLASTIC V = VOA VIAL O = OTHER

SAMPLE NO. DATE SAMPLED TIME SAMPLED

COMP GRAB

SAMPLE IDENTIFICATION

MATRIX
WATER SOIL SLUDGE OTHER # TYPE

ANALYSIS
Gen. Minerals
CAM Metals
HAA5
TTHM
Total Coliform
Gross Alpha

REMARKS

5-1 7/30/16 3:10 PM

X

Source water GVCC - Main

X

7 V

X X X X X X X

161512

7/8 7/11

The undersigned hereby acknowledges having received a copy of the Fee Schedule/General Information and Conditions, the provisions of which are a part of this agreement.

Relinquished by: (Signature)

Alan Farbes

Date/Time

7/16 10:30

Received by: (Signature)

[Signature]

Relinquished by: (Signature)

Date/Time

Received by: (Signature)

TURN AROUND TIME

STANDARD ☒ OTHER _____

24 HOURS ☐

48 HOURS ☐

72 HOURS ☐

CHECK ONE BOX:

DISPOSE SAMPLES ☐

RETURN SAMPLES ☐

WHITE COPY

CANARY COPY

PINK COPY

Attachment 2

Mold/Fungi Analytical Results

Analytical Laboratory Report

Bioaerosol, non-culturable

Fungal Microscopic Exam

38454-R01

FINAL REPORT

Project/PO: **City of Goleta-1 / 5679 Hollister Ave, Building A**

Control ID # **38454**

Received: **07-05-2016**

July 05, 2016

Sean P. Abbott, Ph.D.

Analytical Director, Natural Link MOLD LAB, Inc.

AIHA (EMPAT) Lab ID 162969

Texas Department of State Health Services, Mold Analysis Laboratory License Number: LAB0146



Report submitted to:

Dana Stephens
FCG Environmental
1009 Mercer Avenue
Ojai, California 93023

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-3, Bldg A, Room 3 (Office); Allergenco-D Spore-trap; 75L; 6/30/2016 [S142983AA100128]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	120	1 600
Basidiospores	20	270
Penicillium/Aspergillus	15	200
Ascospores	5	67
Alternaria	3	40
Ulocladium	1	13
TOTAL	164	2 190

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

1

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-4, Bldg A, Room 4 (Dance Rm); Allergenco-D Spore-trap; 75L; 6/30/2016 [S142984AA100129]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	45	600
Ascospores	5	67
Basidiospores	5	67
Penicillium/Aspergillus	5	67
Aureobasidium	2	27
Epicoccum	1	13
Unidentified conidia	1	13
TOTAL	64	854

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

2

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-5A, Bldg A, Room 5A; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142985AA100130]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	20	270
Basidiospores	15	200
Ascospores	5	67
Penicillium/Aspergillus	4	53
Smuts/Myxomycetes	1	13
Ulocladium	1	13
TOTAL	46	616

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	None Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		2
Total non-biological particles		2

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

3

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-5B, Bldg A, Room 5B (Audabon); Allergenco-D Spore-trap; 75L; 6/30/2016 [S142986AA100131]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	35	470
Ascospores	10	130
Basidiospores	5	67
Penicillium/Aspergillus	5	67
TOTAL	55	734

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		2
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

4

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-6, Bldg A, Room 6; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142987AA100132]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Basidiospores	6	80
Cladosporium	6	80
Epicoccum	1	13
TOTAL	13	173

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		2
Total non-biological particles		2

Summary of Findings

- Dominant fungal spores detected on the sample: Basidiospores and Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

5

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-7, Bldg A, Room 7; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142988AA100133]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	15	200
Basidiospores	2	27
Botrytis	1	13
TOTAL	18	240

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		2
Total non-biological particles		2

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

6

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-8, Bldg A, Room 8; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142989AA100134]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	70	930
Basidiospores	20	270
Ascospores	10	130
Penicillium/Aspergillus	8	110
TOTAL	108	1 440

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

7

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-Kitchen, Bldg A, Kitchen; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142990AA100135]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	80	1 100
Ascospores	55	730
Basidiospores	40	530
Arthrinium	2	27
Rusts	2	27
Trichocladium	2	27
Alternaria	1	13
Aureobasidium	1	13
TOTAL	183	2 467

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

8

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-Office, Bldg A, GVCC Office; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142991AA100136]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	80	1 100
Smuts/Myxomycetes	7	93
Alternaria	5	67
Ascospores	5	67
Basidiospores	5	67
Aureobasidium	3	40
TOTAL	105	1 434
<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	Detected	
Fiberglass particles	None Detected	
Total biological particles		4
Total non-biological particles		4

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

9

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: A-Dining, Bldg A, GVCC Dining Rm; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142992AA100137]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	60	800
Ascospores	15	200
Basidiospores	5	67
Penicillium/Aspergillus	5	67
Smuts/Myxomycetes	2	27
Aureobasidium	1	13
Oidium	1	13
TOTAL	89	1 187

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

10

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification:

A-Auditorium, Bldg A, GVCC Auditorium; Allergenco-D Spore-trap; 75L; 6/30/2016
[S142993AA100138]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	65	870
Basidiospores	20	270
Penicillium/Aspergillus	16	210
Ascospores	15	200
Smuts/Myxomycetes	1	13
TOTAL	117	1 563

Other Airborne Particles

Detected /None Detected

Particle Density (1-5)

Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	Detected	
Fiberglass particles	None Detected	
Total biological particles		2
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

11

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: OS-1, Outside / Background, Rear; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142994AA100139]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	165	2 200
Basidiospores	35	470
Penicillium/Aspergillus	20	270
Ascospores	15	200
Smuts/Myxomycetes	8	110
Alternaria	2	27
Aureobasidium	1	13
Botrytis	1	13
Epicoccum	1	13
Oidium	1	13
Stemphylium	1	13
Stigmina	1	13
Ulocladium	1	13
TOTAL	252	3 368

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

12

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38454

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: OS-2, Outside / Background, Front; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142995AA100140]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	283	3 800
Ascospores	35	470
Basidiospores	20	270
Beltrania	17	230
Nigrospora	7	93
Alternaria	5	67
Penicillium/Aspergillus	5	67
Smuts/Myxomycetes	4	53
Unidentified conidia	4	53
Epicoccum	2	27
Oidium	2	27
Aureobasidium	1	13
TOTAL	385	5 170

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38454-R01A).

Report #:38454-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

13

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Summary Table

Account Name FCG Environmental

Project/P.O.: City of Goleta-1 / 5679 Hollister Ave, Building A

Date Reported	07-05-2016	Control #	38454
---------------	------------	-----------	-------

[illegible]

Chain-of-Custody Form

Natural Link MOLD LAB

4900 Mill Street
Suite 3
Reno, NV 89502

Account name: FCG Environmental (Forbess Consulting Group, Inc.)

(866) 252-6653

(866) 252-MOLD

Phone (775) 356-6653
Fax (775) 356-6639

info@naturallinkmoldlab.com

Submitter: Alan Forbess/Dana Stephens/Bill Miller

Phone: 805/646-1995

Sampling date: 6-30-16
Project / P.O. City of Goleta - 1
5670 Hollister Ave. - Building A

Sample identification, description, and/or location	Sample volume	Analysis *				Alternative / additional analysis requested:	RUSH	
		FME	NFME	FC	BC		EC	24hr
A-3, Bldg A, Room 3 (Office)	75L	✓						✓
A-4, " , Room 4 (DanceDm)		✓						✓
A-5A, " , Room 5A		✓						✓
A-5B, " , Room 5B (Auditorium)		✓						✓
A-6, " , Room 6		✓						✓
A-7, " , Room 7		✓						✓
A-8, " , Room 8		✓						✓
A-Kitchen, Bldg. A Kitchen		✓						✓
A-Office, " , GVCC Office		✓						✓
A-Dining, " , GVCC Dining Rm		✓						✓

(*) FME, Fungal Microscopic Examination -- NFME, Non-Fungal Microscopic Exam -- FC, Fungal Culture -- BC, Bacterial Culture -- EC, E.coli (coliforms) ID

Submitter's Signature	Date	Time	Receiver's Signature	Date	Time
Dana Stephens	6/30/16	4:00 pm	L. Cuvett	6/1/16	9:25 am
Submitter's Signature	Date	Time	Receiver's Signature	Date	Time

Lab use:	Control #:
	38454

Page ___ of ___

Natural Link MOLD LAB, Inc. is a Nevada Corporation (v 4.0) © 2004

4900 Mill Street
Suite 3
Reno, NV 89502

Natural Link MOLD LAB, Inc. is a Nevada Corporation (v 4.0) © 2004

Analytical Laboratory Report

Bioaerosol, non-culturable	Fungal Microscopic Exam	38455-R01
Tape Sample	Fungal Microscopic Exam	38455-R02

FINAL REPORT

Project/PO: **City of Goleta-1 / 5679 Hollister Ave, Building B**

Control ID # **38455**

Received: **07-05-2016**

July 05, 2016

Sean P. Abbott, Ph.D.

Analytical Director, Natural Link MOLD LAB, Inc.

AIHA (EMPAT) Lab ID 162969

Texas Department of State Health Services, Mold Analysis Laboratory License Number: LAB0146



Report submitted to:

Dana Stephens
FCG Environmental
1009 Mercer Avenue
Ojai, California 93023

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: B-Office, Bldg B, Office; Allergenco-D Spore-trap; 75L; 6/30/2016 [S142996AA100118]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	55	730
Basidiospores	35	470
Ascospores	15	200
Penicillium/Aspergillus	5	67
Smuts/Myxomycetes	5	67
Alternaria	4	53
Aureobasidium	2	27
Ulocladium	2	27
TOTAL	123	1 641

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38455-R01A).

Report #:38455-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

1

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: B-9A-PD, Bldg B, Rm 9 (Classroom); Allergenco-D Spore-trap; 75L; 6/30/2016 [S142997AA100119]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	167	2 200
Basidiospores	55	730
Ascospores	10	130
Penicillium/Aspergillus	5	67
Alternaria	2	27
Chaetomium	1	13
Smuts/Myxomycetes	1	13
Unidentified conidia	1	13
TOTAL	242	3 193

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38455-R01A).

Report #:38455-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

2

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification:

B-10A, Bldg B, Rm 10A, (Support Svcs); Allergenco-D Spore-trap; 75L; 6/30/2016
[S142998AA100120]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	95	1 300
Basidiospores	10	130
Ascospores	5	67
Smuts/Myxomycetes	2	27
Alternaria	1	13
TOTAL	113	1 537

Other Airborne Particles

Detected /None Detected

Particle Density (1-5)

Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38455-R01A).

Report #:38455-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

3

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification:

B-10B, Bldg B, Rm 10B (EHS Classroom); Allergenco-D Spore-trap; 75L; 6/30/2016
[S142999AA100121]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	50	670
Penicillium/Aspergillus	42	560
Basidiospores	25	330
Ascospores	5	67
Alternaria	4	53
Smuts/Myxomycetes	2	27
Unidentified conidia	2	27
Aureobasidium	1	13
TOTAL	131	1 747

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		4
Total non-biological particles		4

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38455-R01A).

Report #:38455-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

4

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: B-11A-1A, Bldg B (Classroom); Allergenco-D Spore-trap; 75L; 6/30/2016 [S143000AA100122]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	65	870
Penicillium/Aspergillus	30	400
Basidiospores	15	200
Ascospores	10	130
Alternaria	5	67
Aureobasidium	2	27
Epicoccum	1	13
Smuts/Myxomycetes	1	13
Torula	1	13
TOTAL	130	1 733

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		4
Total non-biological particles		4

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38455-R01A).

Report #:38455-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

5

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification:

B-11B, Bldg B, Goleta II Center Office; Allergenco-D Spore-trap; 75L; 6/30/2016
[S143001AA100123]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	55	730
Basidiospores	35	470
Ascospores	10	130
Penicillium/Aspergillus	5	67
Smuts/Myxomycetes	3	40
Alternaria	2	27
Aureobasidium	1	13
Beltrania	1	13
Botrytis	1	13
Oidium	1	13
Torula	1	13
Ulocladium	1	13
TOTAL	116	1 542

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	None Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38455-R01A).

Report #:38455-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

6

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: B-12A-1B, Bldg B (Classroom); Allergenco-D Spore-trap; 75L; 6/30/2016 [S143002AA100124]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	60	800
Basidiospores	30	400
Ascospores	5	67
Penicillium/Aspergillus	5	67
Smuts/Myxomycetes	4	53
Alternaria	2	27
Pithomyces	2	27
Zygophiala	2	27
Stemphylium	1	13
Unidentified conidia	1	13
TOTAL	112	1 494

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38455-R01A).

Report #:38455-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

7

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: B-14B, Bldg B, Rm 14B (Health Svcs); Allergenco-D Spore-trap; 75L; 6/30/2016 [S143003AA100125]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	50	670
Basidiospores	10	130
Ascospores	1	13
Beltrania	1	13
Ochroconis	1	13
Ulocladium	1	13
TOTAL	64	852

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	None Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38455-R01A).

Report #:38455-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

8

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Summary Table

Account Name FCG Environmental

Project/P.O.: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Reported	07-05-2016	Control #	38455
---------------	------------	-----------	-------

[illegible]

Account Name: FCG Environmental

Control ID #: 38455

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: T-1, Bldg B, Rm 9APD (Sink Base Shelf); Tape Sample; 6/30/2016 [S143004AB20429]**Macroscopic Observations:**

- ♦ Dark colored material present on sample.
- ♦ Density: Heavy.

Microscopic Observations:

- ♦ Fungal growth detected: Chaetomium.
- ♦ Nearly confluent growth; spores, ascocarps and hyphae detected.

Summary of Findings

- ♦ Dominant fungi detected on sample: Chaetomium
- ♦ See Summary Table (38455-R02A).

Report #: 38455-R02 Analysis Date: 07-05-2016
Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



RB20429

Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general info from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

1

Account Name FCG Environmental

Project/P.O.: City of Goleta-1 / 5679 Hollister Ave, Building B

Date Reported 07-05-2016 Control # 38455

Extent of Biological Activity	T-1, Bldg B, Rm 9APD (Sink Base Shelf)			
	Tape Sample			
Level 5 Nearly confluent growth (81-100% cover)	Chaetomium			
Level 4 Extensive growth (61-80% cover)				
Level 3 Moderate amounts of growth (41-60% cover)				
Level 2 Limited growth (21-40% cover)				
Level 1 Sparse/minimal growth (1-20% cover)				
Comments				
Level 0 Miscellaneous Spores (<1% cover)				

TB11891 [b]

Chain-of-Custody Form

Natural Link MOLD LAB

4900 Mill Street
Suite 3
Reno, NV 89502

Account name: FCG Environmental (Forbess Consulting Group, Inc.)

(866) 252-6653

Sampling date

6.30.16

Submitter: Alan Forbess/Dana Stephens/Bill Miller

(866) 252-MOLD

Project / P.O.

City of Goleta -

Phone: 805/646-1995

Phone (775) 356-6653

Fax (775) 356-6639

5079 Hollister Ave. - Building B

info@naturallinkmoldlab.com

Sample identification, description, and/or location

	Sample volume	Analysis *				Alternative / additional analysis requested:	RUSH	
		FME	NFME	FC	BC	EC	24hr	48hr
B-Office - Bldg B Office	75L	✓					✓	✓
B-9A APD - " Rm 9 (Classroom)		✓						✓
B-10A - " Rm 10A (Support Svcs)		✓					✓	✓
B-10B - " Rm 10B (EHS Classroom)		✓					✓	✓
B-11A - " (Classroom)		✓					✓	✓
B-11B - " Goleta II Center Office		✓					✓	✓
B-12A - " (Classroom)		✓					✓	✓
B-14B - " Rm 14B (Health Svcs)		✓					✓	✓
T-1, Bldg B, Rm 9APD (Sink Base Shelf)		✓					✓	✓

(*) FME, Fungal Microscopic Examination -- NFME, Non-Fungal Microscopic Exam -- FC, Fungal Culture -- BC, Bacterial Culture -- EC, E. coli (coliforms) ID

Submitter's Signature	Date Time	Receiver's Signature	Date Time
Submitter's Signature	Date Time	Receiver's Signature	Date Time
Signature	Signature	Signature	Signature

Lab use:

Control #:

38455

Page ____ of ____

Natural Link MOLD LAB, Inc. is a Nevada Corporation (v 4.0) © 2004

Analytical Laboratory Report

Bioaerosol, non-culturable

38456-R01

FINAL REPORT

Project/PO: **City of Goleta-1 / 5679 Hollister Ave, Building C**

Control ID # **38456**

Received: **07-05-2016**

July 05, 2016

Sean P. Abbott, Ph.D.

Analytical Director, Natural Link MOLD LAB, Inc.

AIHA (EMPAT) Lab ID 162969

Texas Department of State Health Services, Mold Analysis Laboratory License Number: LAB0146



Report submitted to:

Dana Stephens
FCG Environmental
1009 Mercer Avenue
Ojai, California 93023

Account Name: FCG Environmental

Control ID #: 38456

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building C

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: C-6, Bldg C, Classroom 6; Allergenco-D Spore-trap; 75L; 6/30/2016 [S143005AA100141]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	100	1 300
Ascospores	22	290
Basidiospores	10	130
Alternaria	6	80
Penicillium/Aspergillus	5	67
Aureobasidium	4	53
Smuts/Myxomycetes	4	53
Botrytis	2	27
Epicoccum	1	13
Stemphylium	1	13
Trichocladium	1	13
TOTAL	156	2 039

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		4
Total non-biological particles		4

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38456-R01A).

Report #:38456-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

1

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38456

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building C

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: C-7, Bldg C, Classroom 7; Allergenco-D Spore-trap; 75L; 6/30/2016 [S143006AA100142]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	80	1 100
Ascospores	25	330
Penicillium/Aspergillus	10	130
Basidiospores	5	67
Alternaria	4	53
Aureobasidium	3	40
Ulocladium	2	27
Beltrania	1	13
Bipolaris/Drechslera	1	13
Epicoccum	1	13
Ochroconis	1	13
Smuts/Myxomycetes	1	13
Stachybotrys	1	13
Unidentified conidia	1	13
TOTAL	136	1 838

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		4
Total non-biological particles		4

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Potentially significant/indicator fungi detected on sample include: Stachybotrys.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38456-R01A).

Report #:38456-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

2

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38456

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building C

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: C-8, Bldg C, Classroom 8; Allergenco-D Spore-trap; 75L; 6/30/2016 [S143007AA100143]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	95	1 300
Aureobasidium	10	130
Basidiospores	10	130
Penicillium/Aspergillus	10	130
Alternaria	5	67
Ascospores	5	67
Smuts/Myxomycetes	5	67
TOTAL	140	1 891

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	Detected	
Fiberglass particles	None Detected	
Total biological particles		4
Total non-biological particles		5

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- Sample condition/limitations: Extremely high levels of non-biological particles may have reduced or affected the detection of small spores; calculated counts are approximate and the total number of spores present may have been underestimated due to this limitation.
- See Summary Table (38456-R01A).

Report #:38456-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

3

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38456

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building C

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: C-10, Bldg C Annex, Classroom 10; Allergenco-D Spore-trap; 75L; 6/30/2016 [S143008AA100144]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	120	1 600
Ascospores	5	67
Aureobasidium	2	27
Arthrinium	1	13
Beltrania	1	13
Stemphylium	1	13
Trichocladium	1	13
Ulocladium	1	13
TOTAL	132	1 759

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		4

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38456-R01A).

Report #:38456-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

4

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38456

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building C

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: C-11, Bldg C Annex, Classroom 11; Allergenco-D Spore-trap; 75L; 6/30/2016 [S143009AA100145]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	90	1 200
Basidiospores	25	330
Penicillium/Aspergillus	15	200
Smuts/Myxomycetes	9	120
Alternaria	6	80
Ascospores	5	67
Rusts	3	40
Aureobasidium	2	27
Nigrospora	2	27
Ulocladium	2	27
Spegazzinia	1	13
Taeniolella	1	13
Unidentified conidia	1	13
TOTAL	162	2 157

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	Detected	
Fiberglass particles	None Detected	
Total biological particles		4
Total non-biological particles		4

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38456-R01A).

Report #:38456-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

5

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38456

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building C

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: C-12, Bldg C Annex, Classroom 12; Allergenco-D Spore-trap; 75L; 6/30/2016 [S143010AA100146]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	115	1 500
Ascospores	15	200
Basidiospores	15	200
Penicillium/Aspergillus	10	130
Oidium	4	53
Smuts/Myxomycetes	4	53
Scopulariopsis	3	40
Alternaria	2	27
Unidentified conidia	2	27
Epicoccum	1	13
Rusts	1	13
Stemphylium	1	13
Trichocladium	1	13
TOTAL	174	2 282

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		4

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38456-R01A).

Report #:38456-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

6

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Account Name: FCG Environmental

Control ID #: 38456

Project PO: City of Goleta-1 / 5679 Hollister Ave, Building C

Date Received: 07-05-2016

Submitter: Dana Stephens

Date Reported: 07-05-2016

Sample Identification: C-13, Bldg C Annex, Classroom 13; Allergenco-D Spore-trap; 75L; 6/30/2016 [S143011AA100147]

<u>Fungi Identified</u>	<u>Sample Count (spores/sample)</u>	<u>Calculated Count (spores/m³)</u>
Cladosporium	50	670
Ascospores	15	200
Basidiospores	10	130
Smuts/Myxomycetes	5	67
Oidium	2	27
Alternaria	1	13
Beltrania	1	13
Spegazzinia	1	13
Ulocladium	1	13
Unidentified conidia	1	13
TOTAL	87	1 159

<u>Other Airborne Particles</u>	<u>Detected /None Detected</u>	<u>Particle Density (1-5)</u>
Hyphal fragments	Detected	
Pollen	Detected	
Insect/arthropod parts	None Detected	
Fiberglass particles	None Detected	
Total biological particles		3
Total non-biological particles		3

Summary of Findings

- Dominant fungal spores detected on the sample: Cladosporium.
- Sensitivity: 13 spores/cubic meter.
- See Summary Table (38456-R01A).

Report #:38456-R01 Analysis Date: 07-05-2016

Laboratory Results authorized by Sean P. Abbott, Ph.D., Analytical Director



Natural Link MOLD LAB, Inc. reports sample results as a record of the microbes identified by our analytical staff. Any guidance given with regards to sampling methods, interpretation of results, remediation, health effects, or other information given to the client, beyond microbial identification, is given as general information from published sources and is not an extension of liability to Natural Link MOLD LAB, Inc. Natural Link MOLD LAB, Inc. establishes responsibility over analysis completed in the laboratory but cannot establish responsibility for activities completed in the field by the client, other personnel associated with the samples submitted, or other activities beyond the laboratory. All reports are confidential and are not to be reproduced, except in whole, without the permission of Natural Link MOLD LAB, Inc.

7

Natural Link MOLD LAB, Inc., 4900 Mill Street, Suite 3, Reno, NV 89502 phone: (775) 356-6653

Summary Table

Fungal Microscopic Examination
Bioaerosol, non-culturable

Account Name FCG Environmental

Project/P.O.: City of Goleta-1 / 5679 Hollister Ave, Building C

Date Reported 07-05-2016 **Control #** 38456

Sample ID	C-6, Bldg C, Classroom 6		C-7, Bldg C, Classroom 7		C-8, Bldg C, Classroom 8		C-10, Bldg C Annex, Classroom 10		C-11, Bldg C Annex, Classroom 11		C-12, Bldg C Annex, Classroom 12		C-13, Bldg C Annex, Classroom 13	
	Spores / cubic meter	% of total	Spores / cubic meter	% of total	Spores / cubic meter	% of total	Spores / cubic meter	% of total	Spores / cubic meter	% of total	Spores / cubic meter	% of total	Spores / cubic meter	% of total
Fungi ID														
Alternaria	80	4 %	53	3 %	67	4 %	13	1 %	80	4 %	27	1 %	13	1 %
Arthrinium														
Ascoepores	290	14 %	330	18 %	67	4 %	67	4 %	67	3 %	200	9 %	200	17 %
Aureobasidium	53	3 %	40	2 %	130	7 %	27	2 %	27	1 %				
Basidiospores	130	6 %	67	4 %	130	7 %			330	15 %	200	9 %	130	11 %
Beltrania			13	1 %			13	1 %					13	1 %
Bipolaris/Drechslera			13	1 %										
Botrytis	27	1 %												
Cladosporium	1 300	64 %	1 100	60 %	1 300	69 %	1 600	91 %	1 200	56 %	1 500	66 %	670	58 %
Epicoccum	13	1 %	13	1 %							13	1 %		
Nigrospora									27	1 %				
Ochroconis			13	1 %										
Oidium											53	2 %	27	2 %
Penicillium/Aspergillus	67	3 %	130	7 %	130	7 %			200	9 %	130	6 %		
Rusts									40	2 %	13	1 %		
Scopulariopsis											40	2 %		
Smuts/Myxomycetes	53	3 %	13	1 %	67	4 %			120	6 %	53	2 %	67	6 %
Spegazzinia									13	1 %			13	1 %
Stachybotrys			13	1 %										
Stemphylium	13	1 %					13	1 %			13	1 %		
Taeniella									13	1 %				
Trichocladium	13	1 %					13	1 %			13	1 %		
Ulocladium			27	1 %			13	1 %	27	1 %			13	1 %
Unidentified conidia			13	1 %					13	1 %	27	1 %	13	1 %
	2 039		1 838		1 891		1 759		2 157		2 282		1 159	

Chain-of-Custody Form

Natural Link MOLD LAB

4900 Mill Street
Suite 3
Reno, NV 89502

Account name: FCG Environmental (Forbess Consulting Group, Inc.)

Sampling date: 6-30-16

Project / P.O. City of Goleta - 1

5677 Hollister Ave. - Building C

Submitter: Alan Forbess/Dana Stephens/Bill Miller

Phone: 805/646-1995

(866) 252-6653

(866) 252-MOLD

Phone (775) 356-6653

Fax (775) 356-6639

info@naturalinkmoldlab.com

Sample identification, description, and/or location	Sample volume	Analysis *				Alternative / additional analysis requested:	RUSH	
		FME	NFME	FC	BC	EC	24hr	48hr
C-6, Bldg C, Class 6	25L	-	-	-	-	-	-	-
C-7, " " " "	"	-	-	-	-	-	-	-
C-8, " " " "	"	-	-	-	-	-	-	-
C-10, " Annex, " "	"	-	-	-	-	-	-	-
C-11, " " " "	"	-	-	-	-	-	-	-
C-12, " " " "	"	-	-	-	-	-	-	-
C-13, " " " "	"	-	-	-	-	-	-	-

(*) FME, Fungal Microscopic Examination -- NFME, Non-Fungal Microscopic Exam -- FC, Fungal Culture -- BC, Bacterial Culture -- EC, E.coli (coliforms) ID

Submitter's Signature <i>Dana Stephens</i>	Date 7/1/16	Receiver's Signature <i>L. A. A. A.</i>	Date 7/1/16
	Time 4:00 pm	Time 9:25 am	Time 9:25 am
Submitter's Signature	Date 7/1/16	Receiver's Signature	Date 7/1/16
	Time 4:00 pm	Time 9:25 am	Time 9:25 am

Lab use: _____ Control #: 38456

Attachment 3

Asbestos Air Sample Results

Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

FCG Environmental
Alan Forbess
1009 Mercer Avenue

Ojai, CA 93023

Client ID: 7238
Report Number: A209564
Date Received: 07/06/16
Date Analyzed: 07/07/16
Date Printed: 07/07/16
First Reported: 07/07/16

Job ID/Site: City of Goleta-01; Goleta Valley Community Center, 5679 Hollister, Goleta

FALI Job ID: 7238
Total Samples Submitted: 19
Total Samples Analyzed: 19

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm ²	LOD F/cc	Fibers/cc
A-1	50999446	06/30/16	1200.0	6.5	100	8.2	0.002	0.003
A-2	50999447	06/30/16	1200.0	18.5	100	23.5	0.002	0.008
A-3	50999448	06/30/16	1200.0	6.5	100	8.2	0.002	0.003
A-4	50999449	06/30/16	1200.0	3.0	100	<7.0	0.002	< 0.002
A-5	50999450	06/30/16	1200.0	0.5	100	<7.0	0.002	< 0.002
A-6	50999451	06/30/16	1210.0	6.5	100	8.2	0.002	0.003
A-7	50999452	06/30/16	1200.0	2.0	100	<7.0	0.002	< 0.002
A-8	50999453	06/30/16	1220.0	1.0	100	<7.0	0.002	< 0.002
A-9	50999454	06/30/16	1200.0	7.0	100	8.9	0.002	0.003
A-10	50999455	06/30/16	1200.0	12.0	100	15.2	0.002	0.005



Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

FCG Environmental
Alan Forbess
1009 Mercer Avenue

Ojai, CA 93023

Client ID: 7238
Report Number: A209564
Date Received: 07/06/16
Date Analyzed: 07/07/16
Date Printed: 07/07/16
First Reported: 07/07/16

Job ID/Site: City of Goleta-01; Goleta Valley Community Center, 5679 Hollister, Goleta

FALI Job ID: 7238
Total Samples Submitted: 19
Total Samples Analyzed: 19

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm ²	LOD F/cc	Fibers/cc
A-11	50999456	06/30/16	1395.0	5.0	100	<7.0	0.002	< 0.002
A-12	50999457	06/30/16	1200.0	5.0	100	<7.0	0.002	< 0.002
A-13	50999458	06/30/16	1200.0	0.5	100	<7.0	0.002	< 0.002
A-14	50999459	06/30/16	1200.0	1.5	100	<7.0	0.002	< 0.002
A-15	50999460	06/30/16	1200.0	1.0	100	<7.0	0.002	< 0.002
A-16	50999461	06/30/16	1200.0	0.0	100	<7.0	0.002	< 0.002
A-17	50999462	06/30/16	1300.0	16.0	100	20.3	0.002	0.006
A-18	50999463	06/30/16	1600.0	1.0	100	<7.0	0.002	< 0.002
A-19	50999464	06/30/16	1700.0	1.0	100	<7.0	0.002	< 0.002



Airborne Fiber Analysis

NIOSH 7400 Method, Issue 2, 15 August 1994, counting rules 'A'

FCG Environmental
Alan Forbess
1009 Mercer Avenue

Ojai, CA 93023

Client ID: 7238
Report Number: A209564
Date Received: 07/06/16
Date Analyzed: 07/07/16
Date Printed: 07/07/16
First Reported: 07/07/16

Job ID/Site: City of Goleta-01; Goleta Valley Community Center, 5679 Hollister, Goleta

FALI Job ID: 7238
Total Samples Submitted: 19
Total Samples Analyzed: 19

Sample ID	Lab Number	Date Collected	Volume (L)	Fibers	Fields	Fibers/mm ²	LOD F/cc	Fibers/cc
-----------	------------	----------------	------------	--------	--------	------------------------	----------	-----------

Tiffani Ludd, Laboratory Supervisor, Rancho Dominguez Laboratory

Intralaboratory Relative Standard Deviation (Sr) per 100 graticule fields: 5 to 20 fibers: 0.329; >20 to 50 fibers: 0.354; >50 to 100 fibers: 0.316

Analytical results and reports are generated by Forensic Analytical Laboratories Inc. (FALI) at the request of and for the exclusive use of the person or entity (client) named on such report. Results, reports or copies of same will not be released by FALI to any third party without prior written request from client. This report applies only to the sample(s) tested and results are based upon sample information provided by the client. Supporting laboratory documentation is available upon request. This report must not be reproduced except in full, unless approved by FALI. The client is solely responsible for the use and interpretation of test results and reports requested from Forensic Analytical. This report must not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. Government. FALI is not able to assess the degree of hazard resulting from materials analyzed. FALI 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. Samples are not blank corrected unless otherwise noted. All samples were received in acceptable condition unless otherwise noted.



FCG Environmental

Environmental Consulting Services
Asbestos • Mold • Lead • Property Assessment

Pg 1 of 3

Asbestos Air Sample Log

Date: 6-30-16	Client Name: City of Goleta, GVCC	Calibration: Rotometer
Page Number: 1 of 3	Site Address: 5679 Hollister, Goleta	Filter ECA: 385 sq. mm.
FCG Project No: City of Goleta-01	Work Area: Goleta Valley Community Center	Field Area: 0.007854 sq. mm.
On-site Hygienist: WAM/ANF	Contractor: —	PCM Filter: 0.8 um., 25mm.

Sample ID	Sample Type	Sample Location	Contractor Activity	Time			Flow Rate (liters/min.)			Volume (liters)	Fibers per Field	Fibers per cc
				Start	Stop	Total Min.	Start	Stop	Average			
A-1	Area (ambient)	Bldg B - Rm. 12A	NA	8:50	12:50	240	5	5	5	1200		
A-2		" - Rm 11A		8:55	12:55	"	"	"	"	1200		
A-3		" - Rm 10B		9:00	13:00	"	"	"	"	1200		
A-4		Bldg C - Rm 13		9:05	13:05	"	"	"	"	1200		
A-5		" - Rm 12		9:10	13:10	"	"	"	"	1200		
A-6		" - Rm 11		9:10	13:12	242	"	"	"	1210		
A-7		" - Rm 10		9:15	10:15	60	20	20	20	1200		
A-8		C-Annex Portable - Rm 6		9:24	10:25	61	"	"	"	1220		

Chain-of-Custody Delivered By: Courier In-Person Mail FedEx UPS Other

Sampled By: <i>Alon F. [Signature]</i>	Date: 7/6/16	Time: 9:25 am
Received By (Lab): <i>[Signature]</i>	Date:	Time:
Analyzed By: William A. Miller, CSST #07-4100	Date:	Time:
NIOSH 582 Cert. No. 582-022508-001		



FCG Environmental

Environmental Consulting Services
Asbestos • Mold • Lead • Property Assessment

Pg 2 of 3

Asbestos Air Sample Log

Date:	Client Name:	Calibration: Rotometer
Page Number:	Site Address:	Filter ECA: 385 sq. mm.
FCG Project No:	Work Area:	Field Area: 0.007854 sq. mm.
On-site Hygienist: WAM	Contractor:	PCM Filter: 0.8 um., 25mm.

Sample ID	Sample Type	Sample Location	Contractor Activity	Time			Flow Rate (liters/min.)			Volume (liters)	Fibers per Field	Fibers per cc
				Start	Stop	Total Min.	Start	Stop	Average			
A-9	Area (ambient)	C-Annex Rm 7	NA	9:38	14:38	300	4	4	4	1200		
A-10		C-Annex Rm 8		9:40	14:40	300	"	"	"	1200		
A-11		Bldg B- Rm 9A		9:45	11:18	93	15	15	15	1395		
A-12		GVCC- Dining Hall		9:49	11:09	80	"	"	"	1200		
A-13		Auditorium		10:00	11:00	60	20	20	20	1200		
A-14		Rm. 6		10:20	11:40	80	15	15	15	1200		
A-15		Rm 7		10:20	11:40	80	15	15	15	1200		
A-16	✓	✓ Rm 8	✓	10:25	11:25	60	20	20	20	1200		

Chain-of-Custody

Delivered By: Courier

In-Person

Mail

FedEx

UPS

Other

Sampled By:	Date:	Time:
Received By (Lab): J. Carillo F/E	Date: 7/6/16	Time: 9:25 am
Analyzed By: William A. Miller, CSST #07-4160	Date:	Time:
NIOSH 582 Cert. No. 582-022506-001		



FCG Environmental

Environmental Consulting Services
Asbestos • Mold • Lead • Property Assessment

Pg 3 of 3

Asbestos Air Sample Log

Date:	Client Name:	Calibration:
Page Number:	Site Address:	Filter ECA:
FCG Project No:	Work Area:	Field Area:
On-site Hygienist: WAM	Contractor:	PCM Filter:

Sample ID	Sample Type	Sample Location	Contractor Activity	Time			Flow Rate (liters/min.)			Volume (liters)	Fibers per Field	Fibers per cc
				Start	Stop	Total Min.	Start	Stop	Average			
A-17	Area	GVCC Rm. 1	NA	10:20	11:25	65	20	20	20	1300		
A-18	↓	GVCC office	"	10:30	11:50	80	20	20	20	1600		
A-19	↓	Bldg B - Rm 13B	"	11:30	12:55	85	20	20	20	1700		

Chain-of-Custody Delivered By: Courier In-Person Mail FedEx UPS Other

Sampled By: Received By (Lab): <i>J. Canillo</i> <i>FLC</i> Analyzed By: William A. Miller, CSST #07-4160 NIOSH 582 Cert. No. 582-022508-001	Date: Date: <i>7/6/16</i> Date:	Time: Time: <i>9:25 AM</i> Time:
---	---------------------------------------	--



City of
Goleta - 01

Client No.: 7238
 FCG Environmental
 (Forbess Consulting Group, Inc.)
 1009 Mercer Avenue
 Ojai, CA 93023

PO / Job#: **Goleta - 01** Date: **6/30/16**

Turn Around Time: ☒ Same Day ☒ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☐ 5 Day

☒ PCM: ☒ NIOSH 7400A / ☐ NIOSH 7400B ☐ Rotometer

☒ LM: ☒ Standard / ☐ Point Count ☐ 400 ☐ 1000 / ☐ CARB 435

Contact: Alan Forbess, Bill Miller

Phone: (805) 646-1995 Fax: (805) 669-3538

E-mail: aforbess@fcgenviro.com, bmiller@fcgenviro.com

Site: **Goleta Valley Community Center**

Site Location: **5679 Hollister, Goleta**

Comments:

Report Via: ☐ Fax ☐ E-Mail ☐ Verbal

Sample ID	Date / Time	Sample Location / Description	FOR AIR SAMPLES ONLY				Sample Area / Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
1-19	6/30/16	See Attached Log	<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
		Air Sample Log	<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input checked="" type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				

Sampled By: **Alan Forbess** Date: **6/30/16** Time:

Shipped Via: ☒ Fed Ex ☐ DHL ☐ UPS ☐ US Mail ☐ Courier ☐ Drop Off ☐ Other:

Relinquished By: **Alan Forbess** Date / Time: **7/5/16**

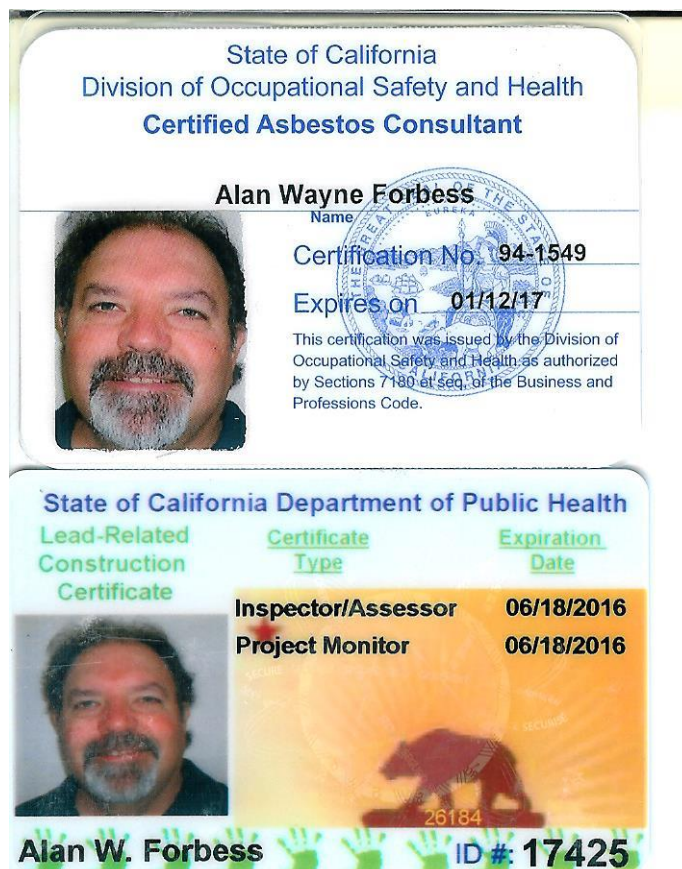
Received By: **Carillo FLE** Date / Time: **7/6/16 9:25 am**

Condition Acceptable? ☒ Yes ☐ No

Attachment 4

FCG Inspector Certifications

Alan W. Forbes, Certifications



American Council for Accredited Certification

hereby certifies that

Alan W. Forbes

has met all the specific standards and qualifications of the re-certification process, including continued professional development, and is hereby re-certified as a

CMC

Council-certified
Microbial Consultant

This certificate expires on June 30, 2016.

Charles F. Wiles

Charles F. Wiles, Executive Director

0801051

Certificate Number

This certificate remains the property of the American Council for Accredited Certification.

FCG Staff Certifications – William A. Miller

State of California
Division of Occupational Safety and Health
Certified Site Surveillance Technician

William A Miller




Name

Certification No. **07-4160**

Expires on **03/22/17**

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	Certificate Type	Expiration Date
	Inspector Assessor	06/13/2016
	Project Monitor	06/13/2016

William A. Miller ID #: **17274**

269284

NIOSH582-022508-001
Certificate Number


ENCORP
ENVIRONMENTAL NETWORK CORPORATION
16750 Valley View Avenue, La Mirada, California 90638
(714) 523-9811 Fax (714) 523-9810
main@encorp.net

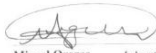
This is to certify that

William Miller
000-00-7208

has attended and satisfactorily completed the course in
Sampling and Evaluating Airborne Asbestos Dust
NIOSH 582 Equivalent

on this day
February 29, 2008


William Bohning Course Instructor


Miguel Orozco Laboratory Manager



American Council for Accredited Certification

hereby certifies that

Dana M. Stephens

has met all the specific standards and qualifications of the re-certification process,
including continued professional development, and is hereby re-certified as a

CMI

**Council-certified
Microbial Investigator**

This certificate expires on March 31, 2017.

Charles F. Wiles

Charles F. Wiles, Executive Director

1102018

Certificate Number

This certificate remains the property of the American Council for Accredited Certification.

Attachment 3B
Binder of Special Studies
Sanitary Sewer Study

Utility Locating
Radiography
Potholing
Mapping
GPR



BELOW
SUBSURFACE IMAGING

Date:	October 12, 2016
Technician:	Troy Douthitt
Project Name:	Goleta Sewer Line - CCTV
Project Address:	5679 Hollister Ave. Goleta, CA 93117
C Below Project No.:	16-1125

CCTV Report

www.cbelow.com

1-888-90-BELOW

14280 Euclid Ave.
Chino, CA 91710

REPORT SUMMARY

No. ¹	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S1 CO1	Sewer	Steel	51.60	4	Lateral on left at 0.60 ft. Lateral on right at 11.80 ft. Lateral on left at 14.20 ft. 17.00 ft. Lateral from above at 18.60 ft. Line heads West at 19.20 ft. Line turns left at 23.20 ft. Line ties into S1 CO2 at 29.10 ft. Camera underwater at 36.30 ft. Root intrusion at 39.80 ft. Lateral on right at 46.70 ft. Unable to push past 50.40 ft. due to blockage with debris. Heavy root intrusion at 51.30 ft.
S2 CO1 North	Sewer	Steel	2.40	4	"Y" intersection at 2.10 ft. Line reduces in size unable to push further past 2.40 ft.
S2 CO1 South	Sewer	Steel	60.40	4	Debris at 13.00 at bottom of line. Camera under water at 40.50 ft. unable to investigate line condition. Unable to push past 60.40 ft. due to debris blockage.
S3 CO1	Sewer	Steel	2.10	4	Unable to push past sweep.
S4 CO1	Sewer	Steel/ Clay	5.10	4	Lateral on right at entry point. Lateral on the right at 2.40 ft. Lateral from above at 5.10 ft.
S5 CO1	Sewer	Steel/Clay	45.40	4	Debris at bottom of line at 38.30 ft. Unable to push past 45.40 ft.
S6 CO1	Sewer	Clay	90.80	6	Lateral on left at 10.70 ft. Line changes to steel at "T" connection at 11.60 ft. Lateral on right at 11.30 ft. Root intrusion at 13.40 ft. 23.00 ft. 26.70 ft. 31.30 ft. 35.70 ft. Lateral from top left at 36.30 ft. Root intrusion at 37.20 ft. Line turns right at 42.40 ft. with root intrusion. Line drops at 45.50 ft with lateral on left. Line drops to second line at 49.20 ft. Camera under water at 89.50 ft. Unable to push past 90.80 ft. due to blockage

¹See schematic for video insertion points.

²Estimated pipe sizes are based on visual observations made during video inspection and may vary.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S1 CO1	Sewer	Steel	51.60	4	Lateral on left at 0.60 ft. Lateral on right at 11.80 ft. Lateral on left at 14.20 ft. 17.00 ft.



Entry point overview



Lateral on left at 0.60 ft.



Typical clear line condition



Lateral on right at 11.80 ft.



Lateral on left at 14.20 ft.



Lateral on left at 17.00 ft.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S1 CO1	Sewer	Steel	51.60	4	Lateral form above at 18.60 ft. Line heads West at 19.20 ft. Line turns left at 23.20 ft. Line ties into S1 CO2 at 29.10 ft. Root intrusion at 39.80 ft. Lateral on right at 46.70 ft.



Lateral form above at 18.60 ft.



Line heads West at 19.20 ft.



Line turns left at 23.20 ft.



Line ties into S1 CO2 at 29.10 ft.



Root intrusion at 39.80 ft.



Lateral on right at 46.70 ft.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S1 CO1	Sewer	Steel	51.60	4	Unable to push past 50.40 ft. due to blockage with debris. Heavy root intrusion at 51.30 ft.



Unable to push past 50.40 ft. due to blockage with debris. Heavy root intrusion at 51.30 ft.



Unable to push past 50.40 ft. due to blockage with debris. Heavy root intrusion at 51.30 ft.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S2 CO1 North	Sewer	Steel	2.40	4	"Y" intersection at 2.10 ft. Line reduces in size unable to push further past 2.40 ft.



Entry point overview



Entry point overview



"Y" intersection at 2.10 ft.



Line reduces in size unable to push further past 2.40 ft.

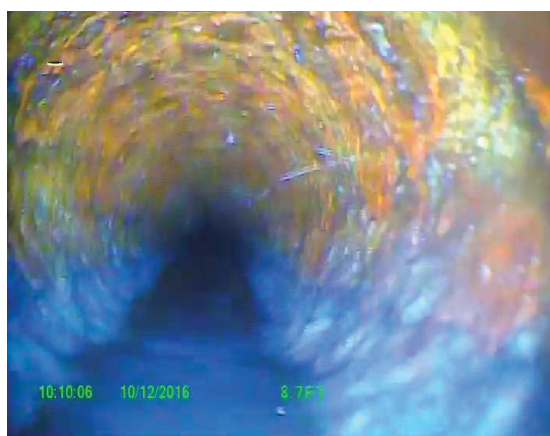
No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S2 CO1 South	Sewer	Steel	60.40	4	Debris at 13.00 at bottom of line. Camera under water at 40.50 ft. unable to investigate line condition. Unable to push past 60.40 ft. due to debris blockage.



Entry point overview



Entry point overview



Typical clear line condition



Debris at 13.00 at bottom of line.



Camera under water at 40.50 ft.
unable to investigate line condition.



Unable to push past 60.40 ft. due to
debris blockage.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S3 CO1	Sewer	Steel	2.10	4	Unable to push past sweep.



Entry point overview



Unable to push past sweep.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S4 CO1	Sewer	Steel/ Clay	5.10	4	Lateral on right at entry point. Lateral on the right at 2.40 ft. Lateral from above at 5.10 ft.



Entry point overview



Entry point overview



Lateral on right at entry point.



Lateral on the right at 2.40 ft.



Lateral from above at 5.10 ft.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S5 CO1	Sewer	Steel/Clay	45.40	4	Debris at bottom of line at 38.30 ft. Unable to push past 45.40 ft.



Entry point overview



Entry point overview



Typical line condition



Debris at bottom of line at 38.30 ft.



Unable to push past 45.40 ft.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S6 CO1	Sewer	Clay	90.80	6	Lateral on left at 10.70 ft. Line changes to steel at "T" connection at 11.60 ft. Lateral on right at 11.30 ft. Root intrusion at 13.40 ft.



Entry point overview



Entry point overview



Typical line condition



Typical line condition



Typical line condition

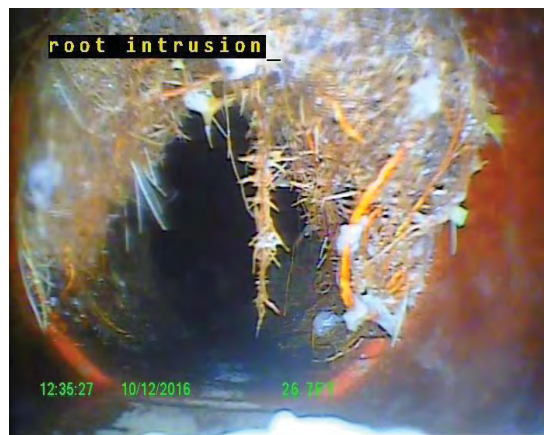


Typical line condition

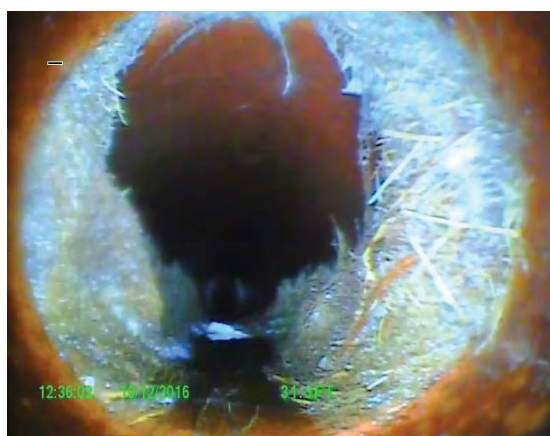
No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S6 CO1	Sewer	Clay	90.80	6	Root intrusion at 23.00 ft. 26.70 ft. 31.30 ft. 35.70 ft. Lateral from top left at 36.30 ft. Root intrusion at 37.20 ft.



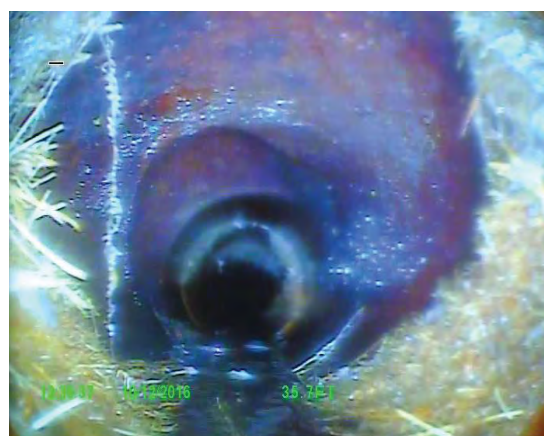
Root intrusion at 23.00 ft.



Root intrusion at 26.70 ft.



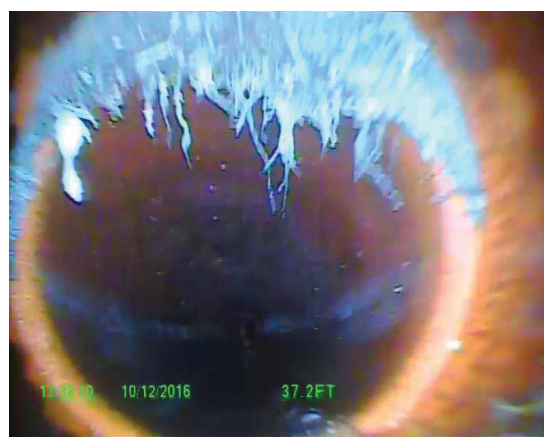
Root intrusion at 31.30 ft.



Root intrusion at 35.70 ft.



Lateral from top left at 36.30 ft.

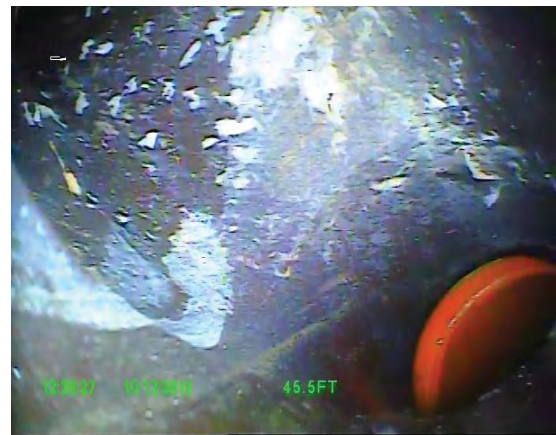


Root intrusion at 37.20 ft.

No.	Utility	Material	Total Video Length (ft)	Pipe Size (in) ²	Line Condition
S6 CO1	Sewer	Clay	90.80	6	Line turns right at 42.40 ft. with root intrusion. Line drops at 45.50 ft with lateral on left. Line drops to second line at 49.20 ft. Camera under water at 89.50 ft. Unable to push past 90.80 ft. due to blockage



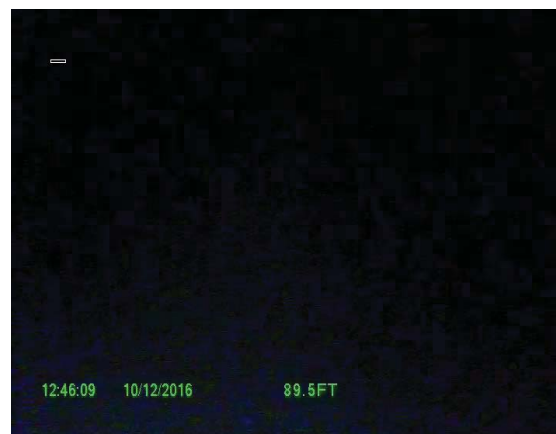
Line turns right at 42.40 ft. with root intrusion.



Line drops at 45.50 ft with lateral on left.



Line drops to second line at 49.20 ft.



Camera under water at 89.50 ft.



Unable to push past 90.80 ft. due to blockage

Attachment 3C
Binder of Special Studies
Hazardous Materials Survey Report

PARTNER



HAZARDOUS MATERIALS SURVEY REPORT

5679, 5681, & 5689 HOLLISTER AVENUE
GOLETA, CALIFORNIA 93117

November 2, 2016
Partner Project No. 16-170535.3



Prepared for

CITY OF GOLETA
130 CREMONA DRIVE, SUITE B
GOLETA, CALIFORNIA 93117

November 2, 2016

Claudia Dato
City of Goleta
130 Cremona Drive, Suite B
Goleta, California 93117

Subject: Hazardous Materials Survey Report
5679, 5681, & 5689 Hollister Avenue
Goleta, California 93117
Partner Project No. 16-170535.3

Dear Claudia Dato:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Hazardous Materials Survey* of the abovementioned address (the "subject property"). This survey was performed in general conformance with the scope and limitations as detailed in our fee proposal.

This survey included a site reconnaissance as well as sampling and analysis. An assessment was conducted, conclusions stated, and recommendations outlined, as necessary.

We appreciate the opportunity to provide environmental services to City of Goleta. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at 310.615.4500.

Sincerely,

Partner Engineering and Science, Inc.



Jenny Redlin, REPA
Relationship Manager

TABLE OF CONTENTS

1.0	INTRODUCTION	1
1.1	Property Description	1
1.2	Purpose and Scope	1
1.3	Methodology	1
2.0	HAZARDOUS MATERIALS SURVEY	5
2.1	Visual Inspection	5
2.2	Survey Results	6
3.0	CONCLUSION	13
4.0	LIMITATIONS	16
5.0	SIGNATURES OF PROFESSIONALS	17

APPENDICES

Appendix A	Laboratory Analysis and Chain-of-Custody, & XRF Data
Appendix B	Site Plan
Appendix C	Certifications
Appendix D	Photographic Documentation
Appendix E	Form 8552

1.0 INTRODUCTION

1.1 Property Description

Address:	5679, 5681, & 5689 Hollister Avenue, Goleta, California
Nature of Use:	Community Center/School/Daycare
Number of Buildings:	Three
Number of Floors:	One
Surveyed By:	Freddy Torres, Inspector
Assessment Date/Time:	October 20, 2016 11:00am

1.2 Purpose and Scope

The purpose of this hazardous materials survey (survey) was to sample and analyze suspect asbestos-containing materials (ACM) and suspect lead-based paint (LBP) which could present an exposure risk during potential renovation activities.

Partner also conducted a visual inspection to review and identify current and/or past evidence of hydraulic lifts, mercury-containing equipment, fluorescent lights and ballasts, PCB- and chlorofluorocarbons (CFCs)-containing equipment, and other regulated materials that may be present in the building. The suspect materials sampled during the survey were limited to accessible areas within the interior and exterior of the building.

Multiple rooms in buildings two and three were unable to be accessed due to occupants. It should be noted that additional sampling may be required in these areas if additional materials are discovered during demolition.

1.3 Methodology

ASBESTOS

Suspect ACM were sampled according to the guidelines set forth in 40 CFR Part 763, and later analyzed using the Polarized Light Microscopy (PLM) method in accordance with the EPA reference method 600/R-93/116 for Determination of Asbestos in Bulk Building Materials.

The United States Environmental Protection Agency (USEPA) as set forth in 40 CFR 763, defines a homogeneous area as "an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture." The regulation requires that a minimum number of representative samples be collected from each homogeneous area. If asbestos is identified in any samples from a homogeneous area, the entire homogeneous area is considered to contain asbestos.

The aforementioned testing and analytical constraints can affect the findings and recommendations of this survey.

Specifically, no assurance is given regarding the asbestos content of the samples beyond these parameters. Further investigation is not recommended unless the client can determine it is cost-effective to do so.

The ACM most likely to release asbestos fibers are those which are in a friable state. Friability describes the condition of asbestos. The definition of friable is any material, when dry, that is capable of being crumbled, pulverized or reduced to powder by hand pressure (40 CFR 763).

Non-friable sources of asbestos are materials containing cement or asphalt binder which may become friable and release fibers if the sources are exposed to actions such as abrasion, drilling, cutting, fracturing or hammering. Non-friable sources of asbestos do not typically pose a significant exposure risk if they remain in good condition and are not disturbed. During renovation or demolition activities, non-friable sources may become friable and thus may pose an exposure risk.

The PLM method is the most commonly used method to analyze building materials for the presence of asbestos. This method utilizes the optical properties of minerals to identify the selected constituent. The use of this method enables identification of the type and the percentage of asbestos in a given sample. The detection limit of the PLM method for asbestos identification is typically one percent (1%) asbestos.

The California Occupational Safety and Health regulations define asbestos-containing construction material (ACCM) as any material which contains greater than one-tenth of one percent (0.1%) asbestos. Materials containing "trace" amounts of asbestos are reported by the laboratory as <1% which could qualify as ACCM in the State of California. Further quantification is possible utilizing either Transmission Electron Microscopy (TEM) analysis or point counting via PLM.

LEAD-BASED PAINT

The subject property was visually inspected and potential LBP were identified. The painted/finished surfaces containing suspect LBP were analyzed and the data was recorded using a XRF.

Painted or varnished surfaces were analyzed for LBP using a hand-held XRF device. The XRF uses a Cadmium 109 (Cd) isotope radioactive source to 'excite' the atomic structure of painted surfaces. Once 'excited', lead (Pb) atoms emit unique x-ray fluorescence radiation energy. The radiation detector within the XRF then translates these x-rays into a quantitative measure of lead concentration. If present, the XRF will determine the amount of lead in paint with a 95% confidence level. The lead concentrations are reported in milligrams per square centimeter (mg/cm²).

Measurements were taken at locations representative of all painted or varnished surfaces for each different testing combination in the areas inspected. In order to obtain a reading, the XRF analyzer is placed with the face of the instrument flush against the surface to be tested. It is then held in place for the duration of the sample, approximately 4 to 16 source seconds, or until the measurement has reached the acceptable range of accuracy. The sampling time is dependent on the age of the radioactive source inside the XRF.

XRF analysis yields the total lead content of a painted surface, hereby not distinguishing between individual concentrations of painted layers. The XRF was calibrated with a National Institute of Standards and Testing (NIST) calibration surface prior to and post analysis of painted surfaces.

The subject property's orientation is described using HUD's recommended guidelines, assigning the letters A, B, C and D to each side. Side A corresponds to the main entrance of each building. The remaining side identifications are assigned in a clock-wise manner. Each tested component location is identified using the building's assigned letter as a reference point.

The HUD Guidelines for lead-containing paint require a lead hazard abatement activity in cases where lead content is above one half of one percent (0.5%) by weight or equal to or in excess of one milligram per square centimeter (1.0 mg/cm²). This requirement for lead hazard abatement only applies to housing that is administrated or funded by HUD. *Section 1017 of the HUD Guidelines, Residential LBP Reduction Act of 1992*, otherwise known as "Title X", defines a lead-based paint hazard as "any condition that causes exposure to lead that would result in adverse human health effects" resulting from lead-contaminated dust, bare, lead-contaminated soil, and/or lead-contaminated paint that is deteriorated or present on accessible, friction, or impact surfaces. Therefore, under Title X, intact LBP on most walls and ceilings would not be considered a "hazard", although the paint should be maintained and its condition monitored to ensure that it does not deteriorate and become a hazard.

In general, there are many other building materials which can contain lead in the average building. When conducting construction or demolition activities which disturb lead in any amount or create an exposure to workers, the employer is required to provide worker protection and conduct exposure assessments. Employers should consult Federal OSHA Regulations at 29 CFR 1926.62, "Lead in Construction" standards for complete requirements prior to construction or demolition activities.

Notification must be given to all contractors at the work site prior to the start of activities that may create a lead hazard. Characterization and disposal of lead-containing waste materials (LCWMs) must comply with federal, state and local authorities.

Contractors must maintain current licenses as required by applicable state or local jurisdictions for the removal, transport, disposal of LCWMs, or other regulated lead-based paint activities.

ADDITIONAL HAZARDOUS MATERIALS

The Environmental Protection Agency (EPA) regulates the management of hazardous waste through the Resource Conservation and Recovery Act (RCRA) Subtitle C (40 CFR Part 260). The RCRA hazardous waste program regulates commercial businesses and government facilities that generate, transport, treat, store, or dispose of hazardous waste.

A visual survey was conducted to evaluate the following hazardous materials in terms of presence, number, and configuration. An inventory was compiled for the various materials encountered.

- Mercury light ballasts, fluorescent lights, mercury light switches, and thermostat bulbs.
- Radioactive sources such as tritium-containing signage.
- PCB-containing equipment including elevator hoists, switching equipment and panels, electrical transformers, hydraulic lifts.
- CFC-containing equipment such as HVAC pumps and compressors.

2.0 HAZARDOUS MATERIALS SURVEY

2.1 Visual Inspection

During the course of the property visit, Mr. Freddy Torres, performed a review of accessible areas of the subject building for the presence of hazardous materials. The purpose of this assessment is for renovation purposes. Additional suspect hazardous materials could be present in inaccessible locations.

Partner did not attempt to disassemble mechanical equipment, open pipe chases, or assess materials within wall voids. Regardless of the thoroughness of a survey, the possibility exists that some areas containing hazardous materials such as ACM and/or LBP were not identified, inaccessible, or different from those materials at specific locations.

The subject property consists of three buildings constructed with exterior stucco finishes with interior plaster and drywall finishes with acoustic ceiling systems, and multiple vinyl floorings. The subject property was occupied at the time of the survey.

ASBESTOS

Suspect asbestos-containing materials observed at the time of the inspection were sampled and analyzed for asbestos content. The survey also established whether any of the substrates sampled could be considered friable and/or significantly damaged or capable of immediate worker exposure.

LEAD-BASED PAINT

Suspect painted surfaces observed at the time of the inspection were tested for lead content. The inspection also evaluated the condition of the painted surfaces sampled and whether they constituted a high risk of worker exposure. Painted or varnished surfaces were analyzed for LBP using a hand-held XRF device. The lead concentrations are reported in milligrams per square centimeter (mg/cm²). The Lead-based paint survey was limited to major building components within accessible areas only.

ADDITIONAL HAZARDOUS MATERIALS

A visual inspection was conducted to review and identify current and/or past evidence of hydraulic lifts, mercury-containing equipment, fluorescent lights and ballasts, PCB- and CFC-containing equipment, and any other regulated materials that may be present in the building.

2.2 Survey Results

ASBESTOS

A total of one hundred (100) bulk samples of presumed ACM were collected for analysis. The samples were grouped into homogeneous categories, assigned individual sample numbers, sealed in plastic bags, and transported under proper chain-of-custody documentation to LA Testing. LA Testing is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP No. 200346-0) for the analysis of asbestos bulk samples. Refer to Appendix A for analytical data.

Analytical Results (ACM)

Sample No.	Location	Description	Asbestos Content	Condition
1-01	Building One Room A3	Plaster	None Detected	Good
1-02	Building One Room A7	Plaster	None Detected	Good
1-03	Building One Room A8	Plaster	None Detected	Good
1-04	Building One Auditorium	Plaster	None Detected	Good
1-05	Building One Dining Room	Plaster	None Detected	Good
1-06	Building One Kitchen	Plaster	None Detected	Good
1-07	Building One Entry Way	Plaster	None Detected	Good
2-01	Building One Kitchen	Spray Applied Acoustic Ceiling Material	None Detected	Good
2-02	Building One Conference Room	Spray Applied Acoustic Ceiling Material	None Detected	Good
2-03	Building One Room A7	Spray Applied Acoustic Ceiling Material	None Detected	Good
2-04	Building One Room A5	Spray Applied Acoustic Ceiling Material	None Detected	Good
2-05	Building One Room A3	Spray Applied Acoustic Ceiling Material	None Detected	Good
2-06	Building One Room A2	Spray Applied Acoustic Ceiling Material	None Detected	Good
2-07	Building One Room A8	Spray Applied Acoustic Ceiling Material	None Detected	Good
3-01	Building One Stage	12x12 Acoustic Ceiling Tile	None Detected	Good
3-02	Building One Room A1	12x12 Acoustic Ceiling Tile	None Detected	Good

Sample No.	Location	Description	Asbestos Content	Condition
3-03	Building One Stage	12x12 Acoustic Ceiling Tile	None Detected	Good
4-01	Building One Dining Room	Beige 12x12 Vinyl Floor Tile plus Mastic	3% Chrysotile	Good
4-02	Building One Dining Room	Beige 12x12 Vinyl Floor Tile plus Mastic	4% Chrysotile	Good
4-03	Building One Dining Room	Beige 12x12 Vinyl Floor Tile plus Mastic	4% Chrysotile	Good
5-01	Building One Kitchen	White Speck Sheet Vinyl Flooring	None Detected	Good
5-02	Building One Kitchen	White Speck Sheet Vinyl Flooring	None Detected	Good
6-01	Building One Janitor Closet	White Speck Sheet Vinyl Flooring	None Detected	Good
6-02	Building One Janitor Closet	White Speck Sheet Vinyl Flooring	None Detected	Good
7-01	Building One Room 5	Beige Sheet Vinyl Flooring	None Detected	Good
7-02	Building One Room 5 HVAC Closet	Beige Sheet Vinyl Flooring	4% Chrysotile	Good
8-01	Building One Exterior North	Window Putty	None Detected	Good
8-02	Building One Exterior East	Window Putty	None Detected	Good
8-03	Building One Exterior South	Window Putty	None Detected	Good
9-01	Building One Exterior North	Stucco	None Detected	Good
9-02	Building One Exterior East	Stucco	None Detected	Good
9-03	Building One Exterior West	Stucco	None Detected	Good
10-01	Building One Roof North	Grey Roof Patch & Penetration Mastic	4% Chrysotile	Good
10-02	Building One Roof East	Grey Roof Patch & Penetration Mastic	4% Chrysotile	Good
10-03	Building One Roof South	Grey Roof Patch & Penetration Mastic	4% Chrysotile	Good
11-01	Building One Roof West	Brown Asphalt Roof Shingles	None Detected	Good
11-02	Building One Roof East	Brown Asphalt Roof Shingles	None Detected	Good
11-03	Building One Roof North	Brown Asphalt Roof Shingles	None Detected	Good

Sample No.	Location	Description	Asbestos Content	Condition
12-01	Building One Roof North	Grey Rolled on Roofing	None Detected	Good
12-02	Building One Roof East	Grey Rolled on Roofing	None Detected	Good
12-03	Building One Roof West	Grey Rolled on Roofing	None Detected	Good
13-01	Building Two Laundry Room	Plaster	None Detected	Good
13-02	Building Two Staff Room	Plaster	None Detected	Good
13-03	Building Two Room 9A	Plaster	None Detected	Good
13-04	Building Two Room 10A	Plaster	None Detected	Good
13-05	Building Two Room 10B	Plaster	None Detected	Good
13-06	Building Two Room 11A	Plaster	None Detected	Good
13-07	Building Two Staff Room	Plaster	None Detected	Good
14-01	Building Two Room 9A	2x4 Acoustic Ceiling Panel	None Detected	Good
14-02	Building Two Room 11A	2x4 Acoustic Ceiling Panel	None Detected	Good
14-03	Building Two Room 10B	2x4 Acoustic Ceiling Panel	None Detected	Good
15-01	Building Two Room 9A	12x12 Acoustic Ceiling Tile	None Detected	Good
15-02	Building Two Staff Room	12x12 Acoustic Ceiling Tile	None Detected	Good
15-03	Building Two Room 10A	12x12 Acoustic Ceiling Tile	None Detected	Good
16-01	Building Two Room 9A	Blue Speck Sheet Vinyl Flooring	None Detected	Good
16-02	Building Two Staff Room	Blue Speck Sheet Vinyl Flooring	None Detected	Good
16-03	Building Two Laundry Room	Blue Speck Sheet Vinyl Flooring	None Detected	Good
17-01	Building Two Exterior North	Stucco	None Detected	Good
17-02	Building Two Exterior East	Stucco	None Detected	Good
17-03	Building Two Exterior West	Stucco	None Detected	Good

Sample No.	Location	Description	Asbestos Content	Condition
18-01	Building Two Exterior West	Window Putty	None Detected	Good
18-02	Building Two Exterior West	Window Putty	None Detected	Good
18-03	Building Two Exterior West	Window Putty	None Detected	Good
19-01	Building Two Roof North	Grey Roof Patch & Penetration Mastic	<1% Chrysotile	Good
19-02	Building Two Roof South	Grey Roof Patch & Penetration Mastic	<1% Chrysotile	Good
19-03	Building Two Roof West	Grey Roof Patch & Penetration Mastic	<1% Chrysotile	Good
20-01	Building Two Roof North	Brown Asphalt Roof Shingles	None Detected	Good
20-02	Building Two Roof West	Brown Asphalt Roof Shingles	None Detected	Good
21-01	Building Two Roof South	Grey Rolled on Roofing	None Detected	Good
21-02	Building Two Roof East	Grey Rolled on Roofing	None Detected	Good
22-01	Building Three Restroom 1	Plaster	None Detected	Good
22-02	Building Three Restroom 2	Plaster	None Detected	Good
22-03	Building Three Restroom 3	Plaster	None Detected	Good
22-04	Building Three HVAC Closet	Plaster	None Detected	Good
22-05	Building Three Janitor Closet	Plaster	None Detected	Good
23-01	Building Three Room 10	12x12 Acoustic Ceiling Tile	None Detected	Good
23-02	Building Three Restroom 2	12x12 Acoustic Ceiling Tile	None Detected	Good
23-03	Building Three Restroom 3	12x12 Acoustic Ceiling Tile	None Detected	Good
24-01	Building Three HVAC Closet	Fiberglass Heating Duct Insulation	None Detected	Good
24-02	Building Three HVAC Closet	Fiberglass Heating Duct Insulation	None Detected	Good
24-03	Building Three HVAC Closet	Fiberglass Heating Duct Insulation	None Detected	Good
25-01	Building Three Room 10	Beige Sheet Vinyl Flooring	2% Chrysotile	Good

Sample No.	Location	Description	Asbestos Content	Condition
25-02	Building Three Room 10	Beige Sheet Vinyl Flooring	8% Chrysotile	Good
26-01	Building Three Room 12	Beige Speck Sheet Vinyl Flooring	40% Chrysotile	Good
26-02	Building Three Room 12	Beige Speck Sheet Vinyl Flooring	40% Chrysotile	Good
27-01	Building Three Room 11	White 12x12 Vinyl Floor Tile plus Mastic	<1% Chrysotile	Good
27-02	Building Three Room 11	White 12x12 Vinyl Floor Tile plus Mastic	<1% Chrysotile	Good
28-01	Building Three Exterior North	Window Putty	None Detected	Good
28-02	Building Three Exterior North	Window Putty	None Detected	Good
28-03	Building Three Exterior South	Window Putty	None Detected	Good
29-01	Building Three Exterior North	Stucco	None Detected	Good
29-02	Building Three Exterior West	Stucco	None Detected	Good
29-03	Building Three Exterior South	Stucco	None Detected	Good
30-01	Building Three Roof East	Grey Roof Patch & Penetration Mastic	<1% Chrysotile	Good
30-02	Building Three Roof West	Grey Roof Patch & Penetration Mastic	<1% Chrysotile	Good
30-03	Building Three Roof South	Grey Roof Patch & Penetration Mastic	<1% Chrysotile	Good
31-01	Building Three Roof North	Brown Asphalt Roof Shingles	None Detected	Good
31-02	Building Three Roof South	Brown Asphalt Roof Shingles	None Detected	Good
32-01	Building Three Roof East	Grey Rolled on Roofing	None Detected	Good
32-02	Building Three Roof West	Grey Rolled on Roofing	None Detected	Good
Not Sampled	Building Two Janitor Closet	Transite Pipe	PACM	Good

Asbestos-containing material is defined as any material containing more than one percent (1%) asbestos as determined using PLM (40 CFR 61).

In California, asbestos-containing construction material (ACCM) is defined by Cal- OSHA as any material containing more than 0.1% (one-tenth of one percent) of asbestos by weight (CCR Title 8, Section 1529).

Documentation of the laboratory results should be retained as a reference for future renovation/demolition activities.

LEAD-BASED PAINT

A representative number of interior and exterior painted surfaces/components were tested for LBP at the subject property.

A total of 231 XRF readings (including 6 calibration readings) were collected throughout the subject property. Thirty of the 225 actual XRF readings contained a lead content greater than 1.0 mg/cm², which is the current regulatory threshold for the requirement of lead-safe work practices in the City of Goleta, as assessed using an XRF instrument. These building components included walls, windows, doors, and exterior overhangs (Appendix A). Some of the components included lead-containing ceramic tile. While not considered LBP, they were tested and reported due to potential lead hazards should they be disturbed.

Additional readings confirmed detectable levels of lead in paint (less than 1.0 mg/cm²). Please see Appendix A for Suspect Lead-Based Paint Inspection Results.

The California Department of Public Health (CDPH) *Title 17 CCR Division 1, Chapter 8, section 35033* defines LBP as paint or other surface coating that contains any amount of lead equal to or in excess of 1.0 mg/cm² or more than 0.5% by weight. This requirement for lead hazard abatement only applies to public and residential buildings. Los Angeles County defines "dangerous levels of lead-bearing substances" as any paint, varnish, lacquer, putty, plaster, or similar coating which contains lead or its compounds in excess of 0.7 mg/cm² by XRF (Los Angeles County Code, Title 11, Health and Safety Chapter 11.28).

ADDITIONAL HAZARDOUS MATERIALS

The following hazardous materials were observed at the site:

Type of Material	Location	Quantity
Fluorescent Lights (mercury)	Throughout Buildings	850 Bulbs
Fluorescent Light Ballasts (PCBs)	Throughout Buildings	265 Fixtures
Emergency Signs (radioactive source)	Throughout Buildings	14 Signs
HVAC Compressors (CFCs)	Rooftops	4 Units
Pad-mounted Electrical Transformer (PCBs)	None	N/A
Hydraulic Elevators (PCBs)	None	N/A
Cleaning Chemicals	Multiple Janitor Closets	N/A
Mercury thermostats	All Three Buildings	23 Thermostats

3.0 CONCLUSION

ASBESTOS

The following materials were confirmed to contain asbestos:

Friable Regulated Asbestos-Containing Materials (RACM)

- Beige Speck Sheet Vinyl Flooring- Building 1 Various Flooring- 650 SF
- White Sheet Vinyl Flooring- Building 3 Flooring- 220 SF
- Beige Speck Sheet Vinyl Flooring- Building 3 Flooring- 220 SF

Non-Friable Category I and II ACM

- Beige 12x12 Vinyl Floor Tile and Mastic- Building 1 Flooring- 2,100 SF
- Grey Roof Patch & Penetration Mastic- Building 1 Roof- 80 LF
- Transite Pipe- Building Two Janitor Closet- 6 LF

Asbestos-Containing Construction Material (ACCM) – Cal/OSHA (<1% Asbestos)

- Grey Roof Patch & Penetration Mastic- Building 2 Roof- 40 LF
- Grey Roof Patch & Penetration Mastic- Building 3 Roof- 40 LF
- White 12x12 Vinyl Floor Tile Mastic- Building 3 Flooring- 220 SF

The roofs were sampled as part of this survey. Asbestos was detected in trace amounts (<1%). Partner recommends those samples be further analyzed by PLM-1000-point count or treated as ACM.

The EPA recommends that all ACM be removed by a certified asbestos contractor prior to any renovation or demolition activities that may impact the material. In the absence of planned renovation/demolition activities, the EPA recommends that ACMs be managed in-place whenever asbestos is identified in a building. Any damaged asbestos materials should be removed, repaired, encapsulated, or enclosed. Asbestos materials that are not damaged may be managed in place in accordance with a written Operations and Maintenance Program.

Federal, state and local laws require building owners and/or their representatives, prior to any demolition and/or renovation operations which may disturb any asbestos-containing materials in their buildings, to meet the following requirements:

- Notifications,
- Removal techniques (such as wetting) for asbestos-containing materials,
- Clean-up procedures,
- Waste storage and disposal requirements.

The potential exists for additional suspect ACM to be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for asbestos content prior to any renovation and/or demolition activities that could impact these materials.

LEAD-BASED PAINT

The results of this inspection indicate that lead in amounts greater than or equal to 1.0 mg/cm² in paint were found in building components, using the inspection protocol in Chapter 7 of the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* (2012). These building components included walls, windows, doors, and exterior overhangs as indicated in Appendix A. Some of the components included lead-containing ceramic tile. While not considered LBP, they were tested and reported due to potential lead hazards should they be disturbed.

Some of the samples also contained detectable concentrations of lead. Due to the representative nature of the testing under HUD Chapter 7 Guidelines, those testing combinations that tested positive for LBP are indicative of all similar testing combinations also being positive for LBP. Likewise, the testing combinations that tested negative for LBP are indicative of all similar testing combinations also being negative for LBP. Any inaccessible areas should be presumed as LBP until they can be proven otherwise by testing.

Lead paint hazards were identified within the areas accessed during this assessment. If lead paint hazards are identified in areas not previously accessed, they should be properly remediated in accordance with all applicable local, state and federal regulations.

Poor surfaces are considered to be a hazard and should be corrected. Fair surfaces should be repaired, but are not yet considered to be a hazard; if not repaired, they should be monitored frequently. Intact surfaces should be managed under an Operations and Maintenance Plan which includes periodic inspections for condition changes in the paint.

Damaged paint or deteriorated paint should undergo corrective action to stabilize the paint. This work should be conducted by trained workers utilizing lead-safe work practices. Paint stabilization usually involves removing loose and flaking paint, and repainting with a layer of protective non-LBP. If any construction or renovation work is conducted on the subject property, contractors and tenants should be notified about the presence, location, and type of LBP.

Work activities impacting LBP pose a potential exposure risk for workers and/or building occupants. Workers trained in proper safety and respiratory techniques should perform renovation activities that may impact the LBP described in this report. All construction work where an employee may be occupationally exposed to lead must comply with OSHA requirements set forth in 29 CFR 1926.62. This regulation requires initial employee exposure monitoring to evaluate worker exposure during work that disturbs lead-containing materials (lead present in detectable levels). Partner suggests that engineering controls, respiratory protection and personal protective equipment be employed at the start of a project that could disturb LBP.

The potential exists for additional suspect lead-containing materials to be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for lead content prior to any renovation and/or demolition activities that could impact these materials.

ADDITIONAL HAZARDOUS MATERIALS

The identified hazardous materials should be properly removed and segregated prior to renovation/demolition activities. Proper packaging and disposal should be conducted in compliance with federal, state, and local regulations. Certain restrictions regarding packaging methods (lab packs), transportation (hazmat certification & manifesting), and disposal (landfill regulations) of hazardous materials could apply.

4.0 LIMITATIONS

Partner subcontracted with EMSL Analytical to perform the asbestos/lead paint chip analysis. No warranties expressed or implied, are made by Partner or its subcontractor EMSL Analytical, or their employees as to the use of any information, apparatus, product or process disclosed in this report. Every reasonable effort has been made to assure correctness. If an asbestos and/or lead abatement contractor or other demolition/construction contractor is employed, such contractor should bring any discrepancies found in this report as it relates to current site conditions or newly discovered site conditions to the immediate attention of Partner.

This report should not be used solely for asbestos abatement bidding purposes. Any quantities of ACM listed are estimates only and not meant to be used to solicit abatement quotations. These quantities should be confirmed by abatement contractors prior to submitting bids for abatement.

State-of-the-art practices have been employed to perform this hazardous materials survey. The scope of this evaluation was severely limited to areas which were considered reasonably accessible (i.e., less than 15 feet from the floor), or within range of a visual inspection through reasonable means. No demolition or product research was performed in attempts to reveal material compositions. The services consist of professional opinions and recommendations made in accordance with generally accepted engineering principles/practices. These services are designed to provide an analytical tool to assist the client. Partner and its subcontractor LA Testing and their employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to asbestos and/or lead contamination regardless of the actions taken by the survey team or the client.

Multiple rooms in buildings two and three were unable to be accessed due to occupants. It should be noted that additional sampling may be required in these areas if additional materials are discovered during demolition.

5.0 SIGNATURES OF PROFESSIONALS

Partner has performed a hazardous materials survey on the property at 5679, 5681, & 5689 Hollister Avenue in Goleta, California, in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

Prepared By:

Partner Engineering and Science, Inc.



Freddy Torres

Certified Asbestos Consultant #10-4593

Certified Lead Inspector Assessor #17424



Kevin Roberts, CAC, CLIA
Senior Reviewer

APPENDIX A: LABORATORY ANALYSIS, CHAIN OF CUSTODY, XRF DATA



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

Attention: Kevin Roberts

Partner Engineering and Science, Inc.

2154 Torrance Blvd

Suite 200

Torrance, CA 90501

Project: 16-170535.3 / 5679 HOLLISTER AVE., GOLETA, CA

Phone: (310) 765-7285

Fax:

Received Date: 10/25/2016 8:30 AM

Analysis Date: 10/25/2016

Collected Date:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos % Type
			% Fibrous	% Non-Fibrous	
1-01 091620476-0001	PLASTER - BUILDING 1 - ROOM A3 - VARIOUS; WALLS, CEILINGS	Gray/White Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
1-02 091620476-0002	PLASTER - BUILDING 1 - ROOM A7 - VARIOUS; WALLS, CEILINGS	Tan/White Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
1-03 091620476-0003	PLASTER - BUILDING 1 - ROOM A8 - VARIOUS; WALLS, CEILINGS	Gray/White Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (Other)	None Detected
1-04 091620476-0004	PLASTER - BUILDING 1 - AUDITORIUM - VARIOUS; WALLS, CEILINGS	Tan Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
1-05 091620476-0005	PLASTER - BUILDING 1 - DINING ROOM - VARIOUS; WALLS, CEILINGS	Tan Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
1-06 091620476-0006	PLASTER - BUILDING 1 - KITCHEN - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (Other)	None Detected
1-07 091620476-0007	PLASTER - BUILDING 1 - ENTRY WAY - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		35% Quartz 65% Non-fibrous (Other)	None Detected
2-01 091620476-0008	SAACM - BUILDING 1 - KITCHEN - VARIOUS CEILINGS	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
2-02 091620476-0009	SAACM - BUILDING 1 - CONFERENCE ROOM - VARIOUS CEILINGS	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
2-03 091620476-0010	SAACM - BUILDING 1 - ROOM A7 - VARIOUS CEILINGS	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
2-04 091620476-0011	SAACM - BUILDING 1 - ROOM A5 - VARIOUS CEILINGS	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
2-05 091620476-0012	SAACM - BUILDING 1 - ROOM A3 - VARIOUS CEILINGS	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
2-06 091620476-0013	SAACM - BUILDING 1 - ROOM A2 - VARIOUS CEILINGS	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
2-07 091620476-0014	SAACM - BUILDING 1 - ROOM A8 - VARIOUS CEILINGS	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
3-01 091620476-0015	12X12 ACT - BUILDING 1 - STAGE - VARIOUS CEILINGS	Orange Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
3-02 091620476-0016	12X12 ACT - BUILDING 1 - ROOM A1 - VARIOUS CEILINGS	Orange Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
3-03 091620476-0017	12X12 ACT - BUILDING 1 - STAGE - VARIOUS CEILINGS	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
4-01-VFT 091620476-0018	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	Beige Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
4-01-Mastic 091620476-0018A	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	Black Fibrous Homogeneous		50% Matrix 47% Non-fibrous (Other)	3% Chrysotile
4-01-Compound 091620476-0018B	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-02-VFT 091620476-0019	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	Beige Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
4-02-Mastic 091620476-0019A	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	Black Fibrous Homogeneous		60% Matrix 36% Non-fibrous (Other)	4% Chrysotile
4-02-Compound 091620476-0019B	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
4-03-VFT 091620476-0020	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	Beige Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com / sanleandrolab@emsl.com>

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	% Fibrous	Non-Asbestos	Asbestos
				% Non-Fibrous	% Type
4-03-Mastic 091620476-0020A	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	Black Non-Fibrous Homogeneous		96% Non-fibrous (Other)	4% Chrysotile
4-03-Compound 091620476-0020B	BEIGE 12X12 VFT PLUS MASTIC - BUILDING 1 - DINING ROOM - VARIOUS FLOORING	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
5-01 091620476-0021	WHITE SPECK SVF - BUILDING 1 - KITCHEN - VARIOUS FLOORING	Tan/White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
5-02 091620476-0022	WHITE SPECK SVF - BUILDING 1 - KITCHEN - VARIOUS FLOORING	Tan/White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
6-01-VSF 091620476-0023	WHITE SPECK SVF - BUILDING 1 - JANITOR CLOSET - VARIOUS FLOORING	White Fibrous Homogeneous	25% Cellulose 5% Synthetic	70% Non-fibrous (Other)	None Detected
6-01-Mastic 091620476-0023A	WHITE SPECK SVF - BUILDING 1 - JANITOR CLOSET - VARIOUS FLOORING	Tan Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
6-02-VSF 091620476-0024	WHITE SPECK SVF - BUILDING 1 - JANITOR CLOSET - VARIOUS FLOORING	White Fibrous Homogeneous	25% Cellulose 5% Synthetic	70% Non-fibrous (Other)	None Detected
6-02-Mastic 091620476-0024A	WHITE SPECK SVF - BUILDING 1 - JANITOR CLOSET - VARIOUS FLOORING	Tan Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
Result includes a small amount of inseparable attached material					
7-01-VSF 091620476-0025	BEIGE SVF - BUILDING 1 - ROOM 5 - VARIOUS FLOORING	Beige Fibrous Homogeneous	20% Cellulose 5% Synthetic	75% Non-fibrous (Other)	None Detected
7-01-Mastic 091620476-0025A	BEIGE SVF - BUILDING 1 - ROOM 5 - VARIOUS FLOORING	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
7-02-VSF 091620476-0026	BEIGE SVF - BUILDING 1 - ROOM 5 HVAC CLOSET - VARIOUS FLOORING	Beige Fibrous Homogeneous	20% Cellulose 5% Synthetic	75% Non-fibrous (Other)	None Detected
7-02-Mastic 091620476-0026A	BEIGE SVF - BUILDING 1 - ROOM 5 HVAC CLOSET - VARIOUS FLOORING	Beige Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

			Non-Asbestos	Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
Result includes a small amount of inseparable attached material					
7-02-VFT 091620476-0026B	BEIGE SVF - BUILDING 1 - ROOM 5 HVAC CLOSET- VARIOUS FLOORING	Tan Non-Fibrous Homogeneous		70% Ca Carbonate 26% Non-fibrous (Other)	4% Chrysotile
7-02-Mastic 2 091620476-0026C	BEIGE SVF - BUILDING 1 - ROOM 5 HVAC CLOSET- VARIOUS FLOORING	Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
8-01 091620476-0027	WINDOW PUTTY - BUILDING 1 - EXTERIOR - NORTH - EXTERIOR WINDOWS	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (Other)	None Detected
8-02 091620476-0028	WINDOW PUTTY - BUILDING 1 - EXTERIOR - EAST - EXTERIOR WINDOWS	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (Other)	None Detected
8-03 091620476-0029	WINDOW PUTTY - BUILDING 1 - EXTERIOR - SOUTH - EXTERIOR WINDOWS	White Non-Fibrous Homogeneous		75% Ca Carbonate 25% Non-fibrous (Other)	None Detected
9-01-Stucco 091620476-0030	STUCCO - BUILDING 1 - EXTERIOR - NORTH - EXTERIOR WALLS	Brown/Gray Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
9-01-Smooth Coat 091620476-0030A	STUCCO - BUILDING 1 - EXTERIOR - NORTH - EXTERIOR WALLS	Brown Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
9-02 091620476-0031	STUCCO - BUILDING 1 - EXTERIOR - EAST - EXTERIOR WALLS	Brown/Gray Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
9-03-Stucco 091620476-0032	STUCCO - BUILDING 1 - EXTERIOR - WEST - EXTERIOR WALLS	Brown/Gray Non-Fibrous Homogeneous		45% Quartz 55% Non-fibrous (Other)	None Detected
9-03-Smooth Coat 091620476-0032A	STUCCO - BUILDING 1 - EXTERIOR - WEST - EXTERIOR WALLS	Brown Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
10-01 091620476-0033	GREY RPPM - BUILDING 1 - ROOF - NORTH - ROOF	Gray/Black Fibrous Homogeneous		20% Ca Carbonate 76% Non-fibrous (Other)	4% Chrysotile
10-02 091620476-0034	GREY RPPM - BUILDING 1 - ROOF - EAST - ROOF	Gray/Black Fibrous Homogeneous		20% Ca Carbonate 76% Non-fibrous (Other)	4% Chrysotile
10-03 091620476-0035	GREY RPPM - BUILDING 1 - ROOF - SOUTH - ROOF	Gray/Black Fibrous Homogeneous		20% Ca Carbonate 76% Non-fibrous (Other)	4% Chrysotile
11-01 091620476-0036	BROWN ARS - BUILDING 1 - ROOF - WEST - ROOF	Various/Black/Yello w Fibrous Homogeneous	15% Glass	20% Quartz 60% Matrix 5% Non-fibrous (Other)	None Detected

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
11-02-Shingle 091620476-0037	BROWN ARS - BUILDING 1 - ROOF - EAST - ROOF	Various/Black/Yello w Fibrous Homogeneous	12% Glass	25% Quartz 60% Matrix 3% Non-fibrous (Other)	None Detected
11-02-Tar 091620476-0037A	BROWN ARS - BUILDING 1 - ROOF - EAST - ROOF	Black Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
11-03 091620476-0038	BROWN ARS - BUILDING 1 - ROOF - NORTH - ROOF	Brown/Tan/Black Non-Fibrous Homogeneous	15% Glass	25% Quartz 20% Gypsum 40% Matrix	None Detected
12-01-Rolled on Roofing 091620476-0039	GREY ROR - BUILDING 1 - ROOF - NORTH - ROOF	White/Black Fibrous Homogeneous	15% Glass	30% Quartz 50% Matrix 5% Non-fibrous (Other)	None Detected
12-01-Tar 091620476-0039A	GREY ROR - BUILDING 1 - ROOF - NORTH - ROOF	Black Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
12-02-Rolled On Roofing 091620476-0040	GREY ROR - BUILDING 1 - ROOF - EAST - ROOF	White/Black Fibrous Homogeneous	15% Glass	25% Quartz 60% Matrix	None Detected
12-02-Tar 091620476-0040A	GREY ROR - BUILDING 1 - ROOF - EAST - ROOF	Black Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
12-03-Rolled On Roofing 091620476-0041	GREY ROR - BUILDING 1 - ROOF - WEST - ROOF	White/Black Non-Fibrous Homogeneous	20% Glass	5% Quartz 25% Ca Carbonate 50% Matrix	None Detected
12-03-Tar 091620476-0041A	GREY ROR - BUILDING 1 - ROOF - WEST - ROOF	Black Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
13-01-Plaster 091620476-0042	PLASTER - BUILDING 2 - LAUNDRY ROOM - VARIOUS; WALLS, CEILINGS	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
13-01-Skim Coat 091620476-0042A	PLASTER - BUILDING 2 - LAUNDRY ROOM - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		10% Quartz 60% Ca Carbonate 30% Non-fibrous (Other)	None Detected
13-02-Plaster 091620476-0043	PLASTER - BUILDING 2 - STAFF ROOM - VARIOUS; WALLS, CEILINGS	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
13-02 Skim Coat 091620476-0043A	PLASTER - BUILDING 2 - STAFF ROOM - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
13-03-Plaster 091620476-0044	PLASTER - BUILDING 2 - ROOM 9A - VARIOUS; WALLS, CEILINGS	Tan/White Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
13-03-Skim Coat 091620476-0044B	PLASTER - BUILDING 2 - ROOM 9A - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		15% Quartz 60% Ca Carbonate 25% Non-fibrous (Other)	None Detected

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com / sanleandrolab@emsl.com>

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
13-04-Plaster 091620476-0045	PLASTER - BUILDING 2 - ROOM 10A - VARIOUS; WALLS, CEILINGS	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
13-04-Skim Coat 091620476-0045A	PLASTER - BUILDING 2 - ROOM 10A - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
13-05-Plaster 091620476-0046	PLASTER - BUILDING 2 - ROOM 10B - VARIOUS; WALLS, CEILINGS	Tan Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
13-05-Skim Coat 091620476-0046A	PLASTER - BUILDING 2 - ROOM 10B - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
13-06-Skim Coat 091620476-0047	PLASTER - BUILDING 2 - ROOM 11A - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
13-06-Plaster 091620476-0047A	PLASTER - BUILDING 2 - ROOM 11A - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		40% Quartz 25% Gypsum 35% Non-fibrous (Other)	None Detected
13-07-Skim Coat 091620476-0048	PLASTER - BUILDING 2 - STAFF ROOM - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
13-07-Plaster 091620476-0048A	PLASTER - BUILDING 2 - STAFF ROOM - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		40% Quartz 25% Gypsum 35% Non-fibrous (Other)	None Detected
14-01 091620476-0049	2X4 ACP - BUILDING 2 - ROOM 9A - VARIOUS CEILINGS	White Fibrous Homogeneous	70% Cellulose	20% Perlite 10% Non-fibrous (Other)	None Detected
14-02 091620476-0050	2X4 ACP - BUILDING 2 - ROOM 11A - VARIOUS CEILINGS	White Fibrous Homogeneous	60% Cellulose 7% Min. Wool	20% Perlite 13% Non-fibrous (Other)	None Detected
14-03 091620476-0051	2X4 ACP - BUILDING 2 - ROOM 10B - VARIOUS CEILINGS	Gray Non-Fibrous Homogeneous	60% Cellulose 5% Min. Wool	35% Non-fibrous (Other)	None Detected
15-01 091620476-0052	12X12 ACT - BUILDING 2 - ROOM 9A - VARIOUS CEILINGS	Orange Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
15-02 091620476-0053	12X12 ACT - BUILDING 2 - STAFF ROOM - VARIOUS CEILINGS	Orange Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
15-03 091620476-0054	12X12 ACT - BUILDING 2 - ROOM 10A - VARIOUS CEILINGS	Brown Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (Other)	None Detected
16-01-SVF 091620476-0055	BLUE SPECK SVF - BUILDING 2 - ROOM 9A - VARIOUS FLOORING	Blue Non-Fibrous Homogeneous	20% Cellulose 10% Glass	25% Ca Carbonate 35% Matrix 10% Non-fibrous (Other)	None Detected

This is a composite result of both vinyl and backing layer

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
16-01-Mastic 091620476-0055A	BLUE SPECK SVF - BUILDING 2 - ROOM 9A - VARIOUS FLOORING	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 65% Matrix 20% Non-fibrous (Other)	None Detected
16-02-SVF 091620476-0056	BLUE SPECK SVF - BUILDING 2 - STAFF ROOM - VARIOUS FLOORING	Blue Non-Fibrous Homogeneous	20% Cellulose 10% Glass	25% Ca Carbonate 35% Matrix 10% Non-fibrous (Other)	None Detected
<i>This is a composite result of both vinyl and backing layer</i>					
16-02-Mastic 091620476-0056A	BLUE SPECK SVF - BUILDING 2 - STAFF ROOM - VARIOUS FLOORING	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 65% Matrix 20% Non-fibrous (Other)	None Detected
16-03-VSF 091620476-0057	BLUE SPECK SVF - BUILDING 2 - LAUNDRY ROOM - VARIOUS FLOORING	Blue Fibrous Homogeneous	20% Cellulose 10% Glass	70% Non-fibrous (Other)	None Detected
<i>This is a composite result of both vinyl and backing layer</i>					
16-03-Mastic 091620476-0057A	BLUE SPECK SVF - BUILDING 2 - LAUNDRY ROOM - VARIOUS FLOORING	Tan Non-Fibrous Homogeneous		15% Ca Carbonate 85% Non-fibrous (Other)	None Detected
<i>This is a composite result of both vinyl and backing layer</i>					
17-01 091620476-0058	STUCCO - BUILDING 2 - EXTERIOR - NORTH - EXTERIOR WALLS	Gray Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 25% Gypsum 20% Non-fibrous (Other)	None Detected
17-02 091620476-0059	STUCCO - BUILDING 2 - EXTERIOR - EAST - EXTERIOR WALLS	Gray Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 25% Gypsum 20% Non-fibrous (Other)	None Detected
17-03 091620476-0060	STUCCO - BUILDING 2 - EXTERIOR - WEST - EXTERIOR WALLS	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
18-01 091620476-0061	WINDOW PUTTY - BUILDING 2 - EXTERIOR - WEST - EXTERIOR WINDOWS	Gray Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
18-02 091620476-0062	WINDOW PUTTY - BUILDING 2 - EXTERIOR - WEST - EXTERIOR WINDOWS	Gray Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
18-03 091620476-0063	WINDOW PUTTY - BUILDING 2 - EXTERIOR - WEST - EXTERIOR WINDOWS	Gray/Blue Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
19-01 091620476-0064	GREY RPPM - BUILDING 2 - ROOF - NORTH - ROOF	Gray/Black Non-Fibrous Homogeneous	12% Cellulose	70% Matrix 18% Non-fibrous (Other)	<1% Chrysotile
19-02 091620476-0065	GREY RPPM - BUILDING 2 - ROOF - SOUTH - ROOF	Gray/Black Non-Fibrous Homogeneous	8% Cellulose	70% Matrix 22% Non-fibrous (Other)	<1% Chrysotile

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
19-03 <i>091620476-0066</i>	GREY RPPM - BUILDING 2 - ROOF - WEST - ROOF	Gray/Black Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	<1% Chrysotile
20-01 <i>091620476-0067</i>	BROWN ARS - BUILDING 2 - ROOF - NORTH - ROOF	Black Non-Fibrous Homogeneous	20% Glass	5% Quartz 10% Gypsum 65% Matrix	None Detected
20-02 <i>091620476-0068</i>	BROWN ARS - BUILDING 2 - ROOF - WEST - ROOF	Black Non-Fibrous Homogeneous	20% Glass	5% Quartz 10% Gypsum 65% Matrix	None Detected
21-01-Rolled On Roofing <i>091620476-0069</i>	GREY ROR - BUILDING 2 - ROOF - SOUTH - ROOF	Gray/Black Fibrous Homogeneous	5% Glass	60% Matrix 35% Non-fibrous (Other)	None Detected
21-01-Mastic <i>091620476-0069A</i>	GREY ROR - BUILDING 2 - ROOF - SOUTH - ROOF	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
21-02-Rolled On Roofing <i>091620476-0070</i>	GREY ROR - BUILDING 2 - ROOF - EAST - ROOF	Black Non-Fibrous Homogeneous	5% Glass	60% Matrix 35% Non-fibrous (Other)	None Detected
21-02-Mastic <i>091620476-0070A</i>	GREY ROR - BUILDING 2 - ROOF - EAST - ROOF	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
22-01-Plaster <i>091620476-0071</i>	PLASTER - BUILDING 3 - RESTROOM 1 - VARIOUS; WALLS, CEILINGS	Gray Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 20% Gypsum 25% Non-fibrous (Other)	None Detected
22-01-Skim Coat <i>091620476-0071A</i>	PLASTER - BUILDING 3 - RESTROOM 1 - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
22-02-Plaster <i>091620476-0072</i>	PLASTER - BUILDING 3 - RESTROOM 2 - VARIOUS; WALLS, CEILINGS	Gray Non-Fibrous Homogeneous	2% Cellulose	40% Quartz 15% Ca Carbonate 25% Gypsum 18% Non-fibrous (Other)	None Detected
22-02-Skim Coat <i>091620476-0072A</i>	PLASTER - BUILDING 3 - RESTROOM 2 - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
22-03-Plaster <i>091620476-0073</i>	PLASTER - BUILDING 3 - RESTROOM 3 - VARIOUS; WALLS, CEILINGS	Gray/White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 25% Gypsum 20% Non-fibrous (Other)	None Detected
22-03-Skim Coat <i>091620476-0073A</i>	PLASTER - BUILDING 3 - RESTROOM 3 - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
22-04-Plaster <i>091620476-0074</i>	PLASTER - BUILDING 3 - HVAC CLOSET - VARIOUS; WALLS, CEILINGS	Gray/White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 25% Gypsum 20% Non-fibrous (Other)	None Detected

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
22-04-Skim Coat 091620476-0074A	PLASTER - BUILDING 3 - HVAC CLOSET - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
22-05-Plaster 091620476-0075	PLASTER - BUILDING 3 - JANITOR CLOSET - VARIOUS; WALLS, CEILINGS	Gray/White Non-Fibrous Homogeneous		40% Quartz 15% Ca Carbonate 25% Gypsum 20% Non-fibrous (Other)	None Detected
22-05-Skim Coat 091620476-0075A	PLASTER - BUILDING 3 - JANITOR CLOSET - VARIOUS; WALLS, CEILINGS	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
23-01 091620476-0076	12X12 ACT - BUILDING 3 - ROOM 10 - VARIOUS CEILINGS	Brown/White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
23-02 091620476-0077	12X12 ACT - BUILDING 3 - RESTROOM 2 - VARIOUS CEILINGS	Brown/White Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
23-03 091620476-0078	12X12 ACT - BUILDING 3 - RESTROOM 3 - VARIOUS CEILINGS	Brown Fibrous Homogeneous	90% Cellulose	10% Non-fibrous (Other)	None Detected
24-01 091620476-0079	FIBERGLASS HD1 - BUILDING 3 - HVAC CLOSET - VARIOUS CEILINGS	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
24-02 091620476-0080	FIBERGLASS HD1 - BUILDING 3 - HVAC CLOSET - VARIOUS CEILINGS	Yellow Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
24-03 091620476-0081	FIBERGLASS HD1 - BUILDING 3 - HVAC CLOSET - VARIOUS CEILINGS	Yellow Non-Fibrous Homogeneous	90% Min. Wool	10% Non-fibrous (Other)	None Detected
25-01-SVF 091620476-0082	BEIGE SVF - BUILDING 3 - ROOM 10 - VARIOUS FLOORING	Tan/White Fibrous Homogeneous	10% Glass	35% Ca Carbonate 40% Matrix 15% Non-fibrous (Other)	None Detected
25-01-Mastic 1 091620476-0082A	BEIGE SVF - BUILDING 3 - ROOM 10 - VARIOUS FLOORING	Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
25-01-VFT 091620476-0082B	BEIGE SVF - BUILDING 3 - ROOM 10 - VARIOUS FLOORING	Yellow Non-Fibrous Homogeneous		60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
25-01-Mastic 2 091620476-0082C	BEIGE SVF - BUILDING 3 - ROOM 10 - VARIOUS FLOORING	Black Non-Fibrous Homogeneous		80% Matrix 12% Non-fibrous (Other)	8% Chrysotile
25-02-SVF 091620476-0083	BEIGE SVF - BUILDING 3 - ROOM 10 - VARIOUS FLOORING	Tan/White Fibrous Homogeneous	10% Glass	35% Ca Carbonate 40% Matrix 15% Non-fibrous (Other)	None Detected

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
25-02-Mastic 1 091620476-0083A	BEIGE SVF - BUILDING 3 - ROOM 10 - VARIOUS FLOORING	Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
25-02-VFT 091620476-0083B	BEIGE SVF - BUILDING 3 - ROOM 10 - VARIOUS FLOORING	Yellow Non-Fibrous Homogeneous		60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
25-02-Mastic 2 091620476-0083C	BEIGE SVF - BUILDING 3 - ROOM 10 - VARIOUS FLOORING	Black Non-Fibrous Homogeneous		80% Matrix 12% Non-fibrous (Other)	8% Chrysotile
26-01-SVF 091620476-0084	BEIGE SPECK SVF - BUILDING 3 - ROOM 12 - VARIOUS FLOORING	Brown Fibrous Homogeneous		30% Ca Carbonate 20% Matrix 10% Non-fibrous (Other)	40% Chrysotile
26-01-Mastic 091620476-0084A	BEIGE SPECK SVF - BUILDING 3 - ROOM 12 - VARIOUS FLOORING	Brown/White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
26-02-SVF 091620476-0085	BEIGE SPECK SVF - BUILDING 3 - ROOM 12 - VARIOUS FLOORING	Beige Fibrous Homogeneous		30% Ca Carbonate 20% Matrix 10% Non-fibrous (Other)	40% Chrysotile
26-02-Mastic 091620476-0085A	BEIGE SPECK SVF - BUILDING 3 - ROOM 12 - VARIOUS FLOORING	Brown/White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
27-01-VFT 091620476-0086	WHITE 12X12 VFT PLUS MASTIC - BUILDING 3 - ROOM 11 - VARIOUS FLOORING	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
27-01-Mastic 091620476-0086A	WHITE 12X12 VFT PLUS MASTIC - BUILDING 3 - ROOM 11 - VARIOUS FLOORING	Brown/Black/Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
27-02-VFT 091620476-0087	WHITE 12X12 VFT PLUS MASTIC - BUILDING 3 - ROOM 11 - VARIOUS FLOORING	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
27-02-Mastic 091620476-0087A	WHITE 12X12 VFT PLUS MASTIC - BUILDING 3 - ROOM 11 - VARIOUS FLOORING	Brown/Black/Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
28-01 091620476-0088	WINDOW PUTTY - BUILDING 3 - EXTERIOR - NORTH - EXTERIOR WINDOWS	Gray Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
28-02 091620476-0089	WINDOW PUTTY - BUILDING 3 - EXTERIOR - NORTH - EXTERIOR WINDOWS	Gray Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected

Initial report from: 10/25/2016 16:08:52



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

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

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
28-03 <i>091620476-0090</i>	WINDOW PUTTY - BUILDING 3 - EXTERIOR - SOUTH - EXTERIOR WINDOWS	Gray Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
29-01 <i>091620476-0091</i>	STUCCO - BUILDING 3 - EXTERIOR - NORTH - EXTERIOR WALLS	Gray Non-Fibrous Homogeneous		40% Quartz 20% Ca Carbonate 20% Gypsum 20% Non-fibrous (Other)	None Detected
29-02 <i>091620476-0092</i>	STUCCO - BUILDING 3 - EXTERIOR - WEST - EXTERIOR WALLS	Gray Non-Fibrous Homogeneous		40% Quartz 20% Ca Carbonate 20% Gypsum 20% Non-fibrous (Other)	None Detected
29-03 <i>091620476-0093</i>	STUCCO - BUILDING 3 - EXTERIOR - SOUTH - EXTERIOR WALLS	Gray Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
30-01 <i>091620476-0094</i>	GREY RPPM - BUILDING 3 - ROOF - EAST - ROOF	Gray/Black Non-Fibrous Homogeneous	10% Cellulose	70% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
30-02 <i>091620476-0095</i>	GREY RPPM - BUILDING 3 - ROOF - WEST - ROOF	Gray/Black Non-Fibrous Homogeneous	12% Cellulose	70% Matrix 18% Non-fibrous (Other)	<1% Chrysotile
30-03 <i>091620476-0096</i>	GREY RPPM - BUILDING 3 - ROOF - SOUTH - ROOF	Gray/Black Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	<1% Chrysotile
31-01 <i>091620476-0097</i>	BROWN ARS - BUILDING 3 - ROOF - NORTH - ROOF	Black Non-Fibrous Homogeneous	20% Glass	5% Quartz 10% Gypsum 65% Matrix	None Detected
31-02 <i>091620476-0098</i>	BROWN ARS - BUILDING 3 - ROOF - SOUTH - ROOF	Black Non-Fibrous Homogeneous	20% Glass	5% Quartz 10% Gypsum 65% Matrix	None Detected
32-01-Rolled On Roofing <i>091620476-0099</i>	GREY ROR - BUILDING 3 - ROOF - EAST - ROOF	Black Non-Fibrous Homogeneous	10% Glass	65% Matrix 25% Non-fibrous (Other)	None Detected
32-01-Mastic <i>091620476-0099A</i>	GREY ROR - BUILDING 3 - ROOF - EAST - ROOF	Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
32-02 <i>091620476-0100</i>	GREY ROR - BUILDING 3 - ROOF - WEST - ROOF	Black Non-Fibrous Homogeneous	10% Glass	65% Matrix 25% Non-fibrous (Other)	None Detected



EMSL Analytical, Inc.

464 McCormick Street San Leandro, CA 94577

Tel/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com> / sanleandrolab@emsl.com

EMSL Order: 091620476

Customer ID: 32PRTN78

Customer PO: 16-170535.3

Project ID:

Analyst(s)

Beheshta Ahadi (41)

Cecilia Yu (27)

Jared Martin (13)

Matthew Batongbacal (33)

Raphael Feliciano (32)

Chris Dojliko, Laboratory Manager
or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

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

Initial report from: 10/25/2016 16:08:52

CHAIN OF CUSTODY-BULK SUSPECT ACM ANALYSIS

Partner ESI

2154 Torrance Blvd, Suite 200
Torrance, California 90501

Phone (310)615-4500, Fax (310)866-928-7408

#091620476

CLIENT: _____

PROJECT #: 16-170533.3

Lab: L.A. Testing

Technician: Freddy Torres

Sampling Date: 10/20/16

PROJECT LOCATION: 5679 Hollister Ave. Goleta, Ca.

Page: 1 of 6

Sample #	Material Description	Sample Location	Material Location	Quantity (SF or LF)	Friable (Y or N)	Condition (G/D/SD)
1-01	Plaster	Building 1 Room A3	Various Walls ceilings		N	G
1-02		A7				
1-03		A8				
1-04		Auditorium				
1-05		Dining Room				
1-06		Kitchen				
1-07		Entry way				
2-01	SAACM	Kitchen	Various Ceilings		Y	
2-02		Conference Room				
2-03		Room A7				

Please Email results to Krobets@partneresi.com

CONTACT: Freddy Torres 310-200-4006

TAT: _____ SD _____ 24HR ☒ 48HR _____ 72HR

ANALYSIS: ☒ PLM Bulk-EPA/600 _____ 1,000 Pt Count _____ Other _____

Relinquished: _____

Received: [Signature] (PLW)

Date/Time: _____

Date/Time: 10/24/16 1:30pm

Relinquished: _____

Received: _____

Date/Time: _____

Date/Time: _____

Legend:

SAACM - SPRAY-APPLIED ACOUSTIC CEILING MATERIAL

DWJC - DRY WALL JOINT COMPOUND

VFT/M - VINYL FLOOR TILE & MASTIC

SVF - SHEET VINYL FLOORING

VCB/M - VINYL COVE BASE & MASTIC

HDI - HEATING DUCT INSULATION

PI - PIPE INSULATION

BAI - BLOWN-IN ATTIC INSULATION

ACP - ACOUSTIC CEILING PANEL

ACT - ACOUSTIC CEILING TILE

RPPM - ROOF PATCH & PENETRATION MASTIC

ARS - ASPHALT ROOF SHINGLES

ROR - ROLLED-ON ROOFING

Comments:

Transite Pipe

QTY _____

Size _____

201

N - North E - East

S - South W - West

G - Good

D - Damaged

SD - Sig. Damaged

CHAIN OF CUSTODY-BULK SUSPECT ACM ANALYSIS

#091620476

Partner ESI

2154 Torrance Blvd, Suite 200
Torrance, California 90501

Phone (310)615-4500, Fax (310)866-928-7408

Page 2 of 6

#16-170533-3

Sample #	Material Description	Sample Location	Material Location	Quantity (SF or LF)	Friable (Y or N)	Condition (G/D/SD)
		Building 1	Various Ceilings		Y	G
2-04	SAACM	Room A5				
2-05		A3				
2-06		A2				
2-07		A8				
3-01	12x12 ACT	Stage				
3-02		Room A1				
3-03		Stage				
4-01	Beige 12x12 VFT plus Nastic	Dining Room	Various Flooring		N	
4-02						
4-03						
5-01	White Speck SUF	Kitchen				
5-02						
6-01		Janitor Closet				
6-02						
7-01	Beige	Room 5				
7-02		5 HVAC Closet				
8-01	Window Potty	Exterior North	Exterior Windows			
8-02		East				
8-03		South				
9-01	Stucco	Exterior North	Exterior Walls		202	

CHAIN OF CUSTODY-BULK SUSPECT ACM ANALYSIS

Partner ESI
2154 Torrance Blvd, Suite 200
Torrance, California 90501

Phone (310)615-4500, Fax (310)866-928-7408

#091620476

Page 3 of 6

#16-170535.3

Sample #	Material Description	Sample Location		Material Location	Quantity (SF or LF)	Friable (Y or N)	Condition (G/D/SD)
9-02	STUCCO	Building 1	Exterior East	Exterior walls		N	G
9-03	↓		↓ West	↓			
10-01	Grey RPPM		Roof North	Roof	80 LF		
10-02	↓		East	↓	↓		
10-03	↓		South				
11-01	Brown ARS		West				
11-02	↓		East				
11-03	↓		North				
12-01	Grey ROR		North				
12-02	↓		East				
12-03	↓		West				
13-01	Plaster	Building 2	Laundry Room	Various walls ceilings			
13-02	↓		Staff Room	↓			
13-03	↓		Room 9A				
13-04	↓		10A				
13-05	↓		10B				
13-06	↓		11A				
13-07	↓		Staff Room	↓			
14-01	2x4 ACP		Room 9A	Various ceilings		Y	
14-02	↓		↓ 11A	↓		↓ 203	↓

CHAIN OF CUSTODY-BULK SUSPECT ACM ANALYSIS

Partner ESI

2154 Torrance Blvd, Suite 200
Torrance, California 90501

Phone (310)615-4500, Fax (310)866-928-7408

#091620476

#16-170535.3

Page 4 of 6

Sample #	Material Description	Sample Location	Material Location	Quantity (SF or LF)	Friable (Y or N)	Condition (G/D/S)
14-03	2x4 ACP	Building 2	Room 10B			
15-01	12x12 ACT		Various Ceilings		Y	G
15-02	↓		↓ 9A			
15-03	↓		Staff Room			
16-01	Blue Speck SVF		Room 10A			
16-02	↓		↓ 9A			
16-03	↓		Various Floorings		N	
17-01	Stucco		Staff Room			
17-02	↓		Laundry Room			
17-03	↓		Exterior North			
18-01	Window Putty		Exterior East			
18-02	↓		Exterior West			
18-03	↓		Exterior Windows			
19-01	Grey RPPM		↓			
19-02	↓		Roof North			
19-03	↓		Roof South			
20-01	Brown ARS		West			
20-02	↓		North			
21-01	Grey POR		West			
21-02	↓		South			
			East			

CHAIN OF CUSTODY-BULK SUSPECT ACM ANALYSIS

Partner ESI

2154 Torrance Blvd, Suite 200

Torrance, California 90501

Phone (310)615-4500, Fax (310)866-928-7408

#091620476

Page 5 of 6

#16-170535.3

Sample #	Material Description	Sample Location	Material Location	Quantity (SF or LF)	Friable (Y or N)	Condition (G/D/SD)
22-01	Plaster	Building 3 Restroom 1	Various walls ceilings		N	G
22-02	↓	↓ 2	↓		↓	↓
22-03	↓	↓ 3	↓		↓	↓
22-04	↓	HVAC closet	↓		↓	↓
22-05	↓	Sanitor closet	↓		↓	↓
23-01	12x12 ACT	Room 10	Various ceilings		Y	
23-02	↓	Restroom 2	↓		↓	↓
23-03	↓	↓ 3	↓		↓	↓
24-01	Fiberglass HDI	HVAC closet	↓		↓	↓
24-02	↓	↓	↓		↓	↓
24-03	↓	↓	↓		↓	↓
25-01	Beige SVF	Room 10	Various Flooring		N	
25-02	↓	↓	↓		↓	↓
26-01	Beige Speck	Room 12	↓		↓	↓
26-02	↓	↓	↓		↓	↓
27-01	White 12x12 VFT plus plastic	Room 11	↓		↓	↓
27-02	↓	↓	↓		↓	↓
28-01	Window Putty	Exterior North	Exterior Windows		↓	↓
28-02	↓	↓	↓		↓	↓
28-03	↓	↓ South	↓		↓ 205	↓

CHAIN OF CUSTODY-BULK SUSPECT ACM ANALYSIS

Partner ESI

2154 Torrance Blvd, Suite 200

Torrance, California 90501

Phone (310)615-4500, Fax (310)866-928-7408

#091620476

Page 6 of 6

#16-170535. 3

[illegible]

Shot	Date	Building	Room	Component	Sub-Component	Substrate	Side	Condition	Results	PbC
1	10/20/2016	Calibration							Positive	1
2	10/20/2016	Calibration							Positive	1
3	10/20/2016	Calibration							Positive	1.1
4	10/20/2016	Building One	Exterior	Wall		Stucco	A	Intact	Negative	0
5	10/20/2016	Building One	Exterior	Wall		Stucco	B	Intact	Negative	0
6	10/20/2016	Building One	Exterior	Wall		Stucco	C	Intact	Positive	1.8
7	10/20/2016	Building One	Exterior	Wall		Stucco	D	Intact	Negative	0
8	10/20/2016	Building One	Exterior	Door	Frame	Metal	C	Intact	Positive	6.9
9	10/20/2016	Building One	Exterior	Door	Jamb	Metal	C	Intact	Positive	5.4
10	10/20/2016	Building One	Exterior	Window	Sash	Wood	C	Fair	Positive	5.6
11	10/20/2016	Building One	Exterior	Window	Sill	Concrete	C	Fair	Positive	2.6
12	10/20/2016	Building One	Exterior	Overhang	Ceiling	Wood	B	Intact	Positive	3.6
13	10/20/2016	Building One	Exterior	Overhang	Beam	Wood	B	Intact	Negative	0.16
14	10/20/2016	Building One	Exterior	Overhang	Guttter	Metal	B	Intact	Negative	0.04
15	10/20/2016	Building One	Exterior	Column		Stucco	A	Intact	Negative	0.05
16	10/20/2016	Building One	Exterior	Railing		Metal	A	Intact	Negative	0
17	10/20/2016	Building One	Exterior	Floor	Tile	Ceramic	A	Intact	Negative	0.26
18	10/20/2016	Building One	Exterior	Vent Louver		Metal	B	Intact	Negative	0
19	10/20/2016	Building One	Exterior	Window	Frame	Wood	B	Intact	Positive	7.7
20	10/20/2016	Building One	Exterior	Patio	Ceiling	Stucco	C	Intact	Positive	3.5
21	10/20/2016	Building One	Exterior	Patio	Column	Metal	C	Intact	Positive	3.3
22	10/20/2016	Building One	Court Yard	Wall		Stucco	A	Intact	Negative	0
23	10/20/2016	Building One	Court Yard	Wall		Stucco	B	Intact	Negative	0.4
24	10/20/2016	Building One	Court Yard	Wall		Stucco	C	Intact	Negative	0
25	10/20/2016	Building One	Court Yard	Wall		Stucco	D	Intact	Negative	0
26	10/20/2016	Building One	Court Yard	Door	Frame	Metal	C	Intact	Positive	5.3
27	10/20/2016	Building One	Court Yard	Window	Sill	Concrete	A	Poor	Positive	3.4
28	10/20/2016	Building One	Court Yard	Window	Frame	Wood	A	Intact	Negative	0.04
29	10/20/2016	Building One	West Hallway	Wall		Plaster	B	Intact	Negative	0
30	10/20/2016	Building One	West Hallway	Wall		Plaster	D	Intact	Negative	0
31	10/20/2016	Building One	West Hallway	Door	Jamb	Wood	C	Intact	Positive	5.4
32	10/20/2016	Building One	West Hallway	Door	Frame	Wood	C	Intact	Positive	5.9
33	10/20/2016	Building One	West Hallway	Ceiling		Wood		Intact	Negative	0.07

5679 Hollister Avenue Goleta, Ca

34	10/20/2016	Building One	West Hallway	Ceiling	Beam	Wood		Intact	Negative	0.08
35	10/20/2016	Building One	West Hallway	Window	Frame	Wood	B	Intact	Negative	0
36	10/20/2016	Building One	Women's Restroom	Wall		Plaster	A	Intact	Negative	0.07
37	10/20/2016	Building One	Women's Restroom	Wall	Tile	Plaster	C	Intact	Negative	0.06
38	10/20/2016	Building One	Women's Restroom	Ceiling		Plaster		Intact	Negative	0
39	10/20/2016	Building One	Women's Restroom	Door	Frame	Wood	D	Intact	Negative	0.02
40	10/20/2016	Building One	Women's Restroom	Floor	Tile	Ceramic		Intact	Negative	0.01
41	10/20/2016	Building One	1	Wall		Plaster	B	Intact	Negative	0.17
42	10/20/2016	Building One	1	Wall		Plaster	D	Intact	Negative	0
43	10/20/2016	Building One	1	Window	Frame	Wood	D	Intact	Negative	0.4
44	10/20/2016	Building One	1	Window	Sill	Wood	D	Intact	Negative	0
45	10/20/2016	Building One	1	Baseboard		Wood	A	Intact	Negative	0.04
46	10/20/2016	Building One	1	Door	Jamb	Wood	B	Intact	Positive	3.6
47	10/20/2016	Building One	2	Wall		Plaster	A	Intact	Negative	0.02
48	10/20/2016	Building One	2	Wall		Plaster	C	Intact	Negative	0
49	10/20/2016	Building One	2	Window	Frame	Wood	D	Intact	Negative	0.06
50	10/20/2016	Building One	2	Window	Sill	Wood	D	Intact	Negative	0.07
51	10/20/2016	Building One	2	Baseboard		Wood	B	Intact	Negative	0.25
52	10/20/2016	Building One	2	Door	Jamb	Wood	B	Intact	Positive	2.5
53	10/20/2016	Building One	3	Wall		Plaster	B	Intact	Negative	0.23
54	10/20/2016	Building One	3	Wall		Plaster	D	Intact	Negative	0.01
55	10/20/2016	Building One	3	Window	Frame	Wood	D	Intact	Negative	0.09
56	10/20/2016	Building One	3	Window	Sill	Wood	D	Intact	Negative	0.01
57	10/20/2016	Building One	3	Baseboard		Wood	A	Intact	Negative	0
58	10/20/2016	Building One	3	Door	Jamb	Wood	B	Intact	Positive	5.6
59	10/20/2016	Building One	4	Wall		Plaster	A	Intact	Negative	0.02
60	10/20/2016	Building One	4	Wall		Plaster	C	Intact	Negative	0
61	10/20/2016	Building One	4	Window	Frame	Wood	D	Intact	Negative	0
62	10/20/2016	Building One	4	Window	Sill	Wood	D	Intact	Negative	0.04
63	10/20/2016	Building One	4	Baseboard		Wood	B	Intact	Negative	0.22
64	10/20/2016	Building One	4	Door	Jamb	Wood	B	Intact	Negative	0.3
65	10/20/2016	Building One	North Hallway	Wall		Plaster	A	Intact	Negative	0
66	10/20/2016	Building One	North Hallway	Wall		Plaster	C	Intact	Negative	0
67	10/20/2016	Building One	North Hallway	Door	Frame	Wood	A	Intact	Negative	0

5679 Hollister Avenue Goleta, Ca

68	10/20/2016	Building One	North Hallway	Window	Frame	Wood	A	Intact	Negative	0.16
69	10/20/2016	Building One	North Hallway	Baseboard		Wood	A	Intact	Negative	0.01
70	10/20/2016	Building One	Kitchen	Wall		Plaster	A	Intact	Negative	0.05
71	10/20/2016	Building One	Kitchen	Wall	Tile	Ceramic	A	Intact	Negative	0.01
72	10/20/2016	Building One	Kitchen	Door	Frame	Wood	A	Intact	Negative	0.02
73	10/20/2016	Building One	Janitor	Wall		Plaster	B	Intact	Negative	0
74	10/20/2016	Building One	Janitor	Wall		Plaster	D	Intact	Negative	0.13
75	10/20/2016	Building One	Janitor	Door	Frame	Wood	C	Intact	Negative	0.26
76	10/20/2016	Building One	Dining Room	Wall		Brick	A	Intact	Negative	0.11
77	10/20/2016	Building One	Dining Room	Wall		Plaster	B	Intact	Negative	0
78	10/20/2016	Building One	Dining Room	Wall		Plaster	D	Intact	Negative	0.09
79	10/20/2016	Building One	Dining Room	Window	Sash	Wood	A	Intact	Positive	13.4
80	10/20/2016	Building One	Dining Room	Door	Frame	Wood	D	Intact	Negative	0.2
81	10/20/2016	Building One	Dining Room	Door	Jamb	Wood	D	Intact	Negative	0
82	10/20/2016	Building One	Auditorium	Wall		Plaster	A	Intact	Negative	0
83	10/20/2016	Building One	Auditorium	Wall		Plaster	B	Intact	Negative	0.05
84	10/20/2016	Building One	Auditorium	Wall		Plaster	C	Intact	Negative	0.1
85	10/20/2016	Building One	Auditorium	Wall		Plaster	D	Intact	Negative	0.09
86	10/20/2016	Building One	Auditorium	Baseboard		Wood	B	Intact	Negative	0
87	10/20/2016	Building One	Auditorium	Door	Frame	Wood	A	Intact	Negative	0.02
88	10/20/2016	Building One	Auditorium	Door	Jamb	Wood	A	Intact	Negative	0
89	10/20/2016	Building One	Auditorium	Ceiling		Plaster		Intact	Negative	0.01
90	10/20/2016	Building One	Auditorium	Ceiling	Beam	Wood		Intact	Negative	0.07
91	10/20/2016	Building One	Auditorium	Column		Wood		Intact	Negative	0
92	10/20/2016	Building One	Auditorium	Railing		Metal	C	Intact	Negative	0.03
93	10/20/2016	Building One	Office 1	Wall		Plaster	B	Intact	Negative	0.2
94	10/20/2016	Building One	Office 1	Wall		Plaster	D	Intact	Negative	0
95	10/20/2016	Building One	Office 1	Door	Frame	Wood	A	Intact	Negative	0
96	10/20/2016	Building One	Office 1	Window	Sill	Wood	C	Intact	Negative	0.05
97	10/20/2016	Building One	Office 2	Wall		Plaster	B	Intact	Negative	0.08
98	10/20/2016	Building One	Office 2	Wall		Plaster	D	Intact	Negative	0.01
99	10/20/2016	Building One	Office 2	Door	Jamb	Wood	A	Intact	Negative	0.02
100	10/20/2016	Building One	Office 2	Window	Frame	Wood	C	Intact	Negative	0
101	10/20/2016	Building One	Conference Room	Wall		Plaster	A	Intact	Negative	0.3

5679 Hollister Avenue Goleta, Ca

102	10/20/2016	Building One	Conference Room	Wall		Plaster	C	Intact	Negative	0.06
103	10/20/2016	Building One	Conference Room	Door	Frame	Wood	A	Intact	Negative	0.5
104	10/20/2016	Building One	Conference Room	Window	Frame	Wood	C	Intact	Negative	0.5
105	10/20/2016	Building One	5	Wall		Plaster	A	Intact	Negative	0
106	10/20/2016	Building One	5	Wall		Plaster	C	Intact	Negative	0
107	10/20/2016	Building One	5	Door	Frame	Wood	D	Intact	Negative	0.19
108	10/20/2016	Building One	5	Door	Jamb	Wood	D	Intact	Negative	0.24
109	10/20/2016	Building One	5	Window	Frame	Wood	B	Intact	Negative	0.14
110	10/20/2016	Building One	5	Baseboard		Wood	A	Intact	Negative	0.03
111	10/20/2016	Building One	6	Wall		Plaster	A	Intact	Negative	0
112	10/20/2016	Building One	6	Wall		Plaster	B	Intact	Negative	0
113	10/20/2016	Building One	6	Door	Frame	Wood	D	Intact	Negative	0.13
114	10/20/2016	Building One	6	Door	Jamb	Wood	D	Intact	Negative	0
115	10/20/2016	Building One	6	Window	Frame	Wood	B	Intact	Negative	0.3
116	10/20/2016	Building One	6	Baseboard		Wood	A	Intact	Negative	0.01
117	10/20/2016	Building One	7	Wall		Plaster	A	Intact	Negative	0.2
118	10/20/2016	Building One	7	Wall		Plaster	C	Intact	Negative	0.01
119	10/20/2016	Building One	7	Door	Frame	Wood	D	Intact	Negative	0
120	10/20/2016	Building One	7	Door	Jamb	Wood	D	Intact	Positive	5.8
121	10/20/2016	Building One	7	Window	Frame	Wood	B	Intact	Negative	0.05
122	10/20/2016	Building One	7	Baseboard		Wood	A	Intact	Negative	0.21
123	10/20/2016	Building One	8	Wall		Plaster	A	Intact	Negative	0.04
124	10/20/2016	Building One	8	Wall		Plaster	B	Intact	Negative	0.2
125	10/20/2016	Building One	8	Door	Frame	Wood	D	Intact	Positive	4.1
126	10/20/2016	Building One	8	Door	Jamb	Wood	D	Intact	Negative	0
127	10/20/2016	Building One	8	Window	Frame	Wood	B	Intact	Negative	0
128	10/20/2016	Building One	8	Baseboard		Wood	A	Intact	Negative	0.16
129	10/20/2016	Building One	Men's Restroom	Wall		Plaster	A	Intact	Negative	0.21
130	10/20/2016	Building One	Men's Restroom	Wall	Tile	Ceramic	C	Intact	Negative	0.03
131	10/20/2016	Building One	Men's Restroom	Ceiling		Plaster		Intact	Negative	0
132	10/20/2016	Building One	Men's Restroom	Window	Frame	Wood	A	Intact	Negative	0.02
133	10/20/2016	Building One	Men's Restroom	Window	Sill	Wood	A	Intact	Negative	0.13
134	10/20/2016	Building One	Men's Restroom	Floor	Tile	Ceramic		Intact	Negative	0.27
135	10/20/2016	Building One	Men's Restroom	Door	Frame	Wood	B	Intact	Negative	0

5679 Hollister Avenue Goleta, Ca

136	10/20/2016	Building One	Men's Restroom	Door	Jamb	Wood	B	Intact	Negative	0.06
137	10/20/2016	Building Two	Exterior	Wall		Stucco	A	Intact	Negative	0.08
138	10/20/2016	Building Two	Exterior	Wall		Stucco	B	Intact	Negative	0
139	10/20/2016	Building Two	Exterior	Wall		Stucco	C	Intact	Positive	2.6
140	10/20/2016	Building Two	Exterior	Wall		Stucco	D	Intact	Negative	0.15
141	10/20/2016	Building Two	Exterior	Door	Frame	Metal	C	Intact	Negative	0
142	10/20/2016	Building Two	Exterior	Door	Jamb	Metal	C	Intact	Positive	5.8
143	10/20/2016	Building Two	Exterior	Window	Frame	Wood	A	Intact	Positive	2.9
144	10/20/2016	Building Two	Exterior	Window	Sash	Metal	A	Intact	Negative	0.02
145	10/20/2016	Building Two	Exterior	Overhang	Ceiling	Stucco	C	Intact	Positive	2.6
146	10/20/2016	Building Two	Exterior	Overhang	Column	Metal	C	Intact	Positive	6.3
147	10/20/2016	Building Two	9A	Wall		Plaster	A	Intact	Negative	0.04
148	10/20/2016	Building Two	9A	Wall		Plaster	B	Intact	Negative	0.17
149	10/20/2016	Building Two	9A	Door	Frame	Metal	C	Intact	Negative	0
150	10/20/2016	Building Two	9A	Door	Jamb	Metal	C	Intact	Negative	0.04
151	10/20/2016	Building Two	9A	Window	Sash	Metal	A	Intact	Positive	2.5
152	10/20/2016	Building Two	9A	Window	Frame	Metal	A	Intact	Negative	0.01
153	10/20/2016	Building Two	10A	Wall		Plaster	B	Intact	Negative	0
154	10/20/2016	Building Two	10A	Wall		Plaster	D	Intact	Negative	0.05
155	10/20/2016	Building Two	10A	Door	Frame	Metal	C	Intact	Negative	0
156	10/20/2016	Building Two	10B	Wall		Plaster	B	Intact	Negative	0.5
157	10/20/2016	Building Two	10B	Wall		Plaster	D	Intact	Negative	0.16
158	10/20/2016	Building Two	10B	Door	Frame	Metal	C	Intact	Negative	0.02
159	10/20/2016	Building Two	10B	Window	Sash	Metal	A	Intact	Negative	0.02
160	10/20/2016	Building Two	10B	Window	Frame	Wood	A	Intact	Negative	0.11
161	10/20/2016	Building Two	11B	Wall		Plaster	A	Intact	Negative	0
162	10/20/2016	Building Two	11B	Wall		Plaster	C	Intact	Negative	0
163	10/20/2016	Building Two	11B	Door	Frame	Metal	C	Intact	Negative	0.4
164	10/20/2016	Building Two	12 B	Wall		Plaster	B	Intact	Negative	0.24
165	10/20/2016	Building Two	12 B	Wall		Plaster	D	Intact	Negative	0
166	10/20/2016	Building Two	12 B	Door	Frame	Metal	C	Intact	Negative	0.01
167	10/20/2016	Building Two	12A	Wall		Plaster	A	Intact	Negative	0
168	10/20/2016	Building Two	12A	Wall		Plaster	B	Intact	Negative	0
169	10/20/2016	Building Two	12A	Door	Frame	Metal	C	Intact	Negative	0.01

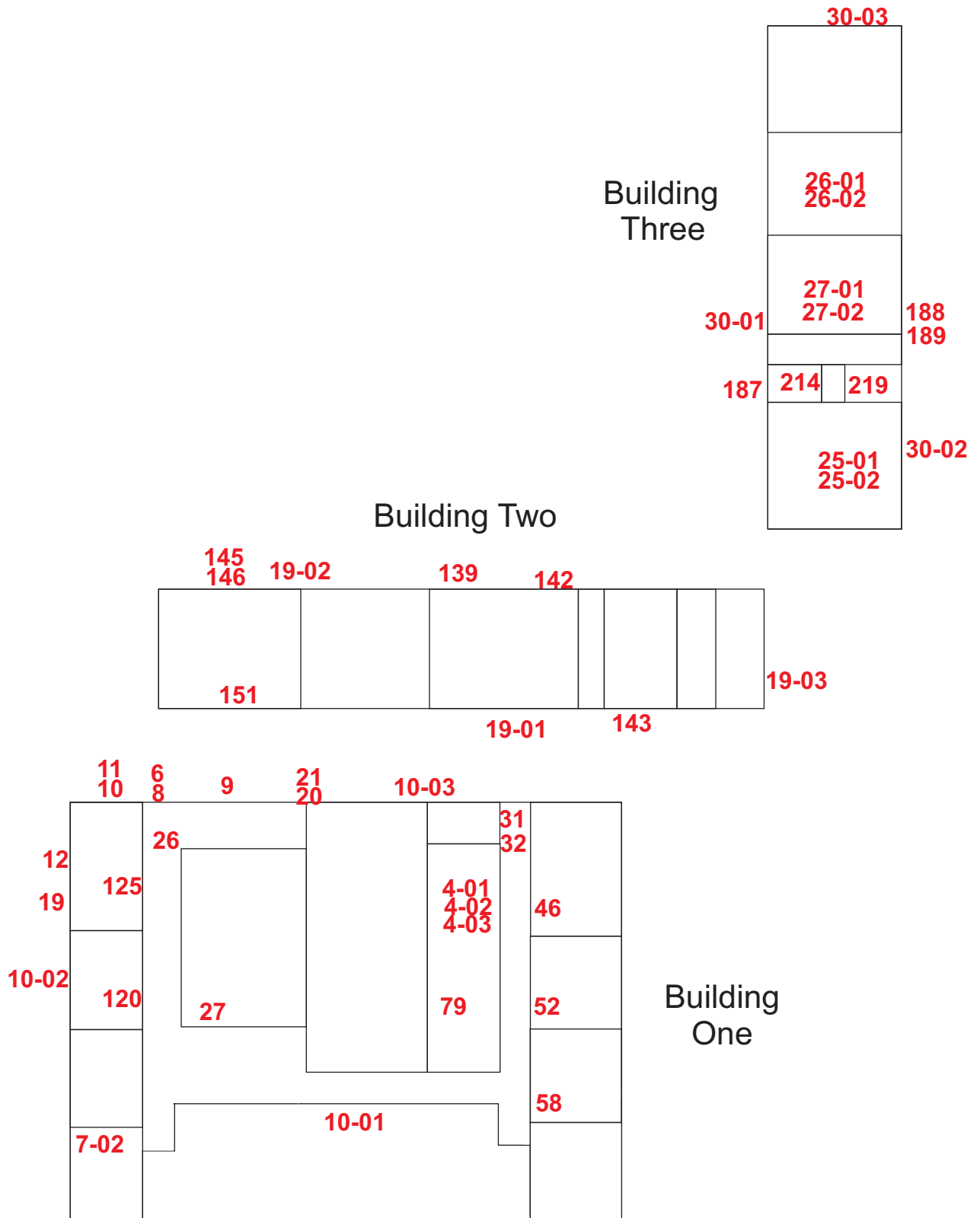
5679 Hollister Avenue Goleta, Ca

170	10/20/2016	Building Two	12A	Window	Sash	Metal	A	Intact	Negative	0
171	10/20/2016	Building Two	13B	Wall		Plaster	A	Intact	Negative	0
172	10/20/2016	Building Two	13B	Wall		Plaster	C	Intact	Negative	0.5
173	10/20/2016	Building Two	13B	Door	Frame	Metal	C	Intact	Negative	0.24
174	10/20/2016	Building Two	Staff Room	Wall		Plaster	B	Intact	Negative	0.12
175	10/20/2016	Building Two	Staff Room	Wall		Plaster	D	Intact	Negative	0
176	10/20/2016	Building Two	Staff Room	Door	Frame	Metal	C	Intact	Negative	0
177	10/20/2016	Building Two	Staff Room	Window	Frame	Wood	A	Intact	Negative	0.01
178	10/20/2016	Building Three	Exterior	Wall		Stucco	A	Intact	Negative	0
179	10/20/2016	Building Three	Exterior	Wall		Stucco	B	Intact	Negative	0.02
180	10/20/2016	Building Three	Exterior	Wall		Stucco	C	Intact	Negative	0.01
181	10/20/2016	Building Three	Exterior	Wall		Stucco	D	Intact	Negative	0.17
182	10/20/2016	Building Three	Exterior	Door	Frame	Metal	B	Intact	Negative	0.12
183	10/20/2016	Building Three	Exterior	Door	Jamb	Metal	B	Intact	Negative	0
184	10/20/2016	Building Three	Exterior	Window	Frame	Wood	D	Intact	Negative	0
185	10/20/2016	Building Three	Exterior	Window	Sash	Metal	D	Intact	Negative	0.01
186	10/20/2016	Building Three	Exterior	Overhang	Ceiling	Stucco	B	Intact	Negative	0.03
187	10/20/2016	Building Three	Exterior	Overhang	Column	Metal	B	Intact	Positive	5.2
188	10/20/2016	Building Three	Exterior	Overhang	Ceiling	Wood	D	Intact	Positive	2.1
189	10/20/2016	Building Three	Exterior	Overhang	Facia	Wood	D	Intact	Positive	1.5
190	10/20/2016	Building Three	Exterior	Window	Leuver	Metal	D	Intact	Negative	0
191	10/20/2016	Building Three	13	Wall		Wallboard	A	Intact	Negative	0.06
192	10/20/2016	Building Three	13	Wall		Wallboard	B	Intact	Negative	0.26
193	10/20/2016	Building Three	13	Wall		Wallboard	C	Intact	Negative	0.01
194	10/20/2016	Building Three	13	Wall		Wallboard	D	Intact	Negative	0.01
195	10/20/2016	Building Three	13	Door	Frame	Metal	B	Intact	Negative	0.01
196	10/20/2016	Building Three	13	Door	Jamb	Metal	B	Intact	Negative	0.16
197	10/20/2016	Building Three	13	Window	Frame	Metal	D	Intact	Negative	0
198	10/20/2016	Building Three	12	Wall		Wallboard	A	Intact	Negative	0.03
199	10/20/2016	Building Three	12	Wall		Wallboard	B	Intact	Negative	0.02
200	10/20/2016	Building Three	12	Wall		Wallboard	C	Intact	Negative	0.11
201	10/20/2016	Building Three	12	Wall		Wallboard	D	Intact	Negative	0.08
202	10/20/2016	Building Three	12	Door	Frame	Metal	B	Intact	Negative	0
203	10/20/2016	Building Three	12	Door	Jamb	Metal	B	Intact	Negative	0.01

5679 Hollister Avenue Goleta, Ca

204	10/20/2016	Building Three	12	Window	Frame	Metal	D	Intact	Negative	0.05
205	10/20/2016	Building Three	11	Wall		Wallboard	A	Intact	Negative	0.15
206	10/20/2016	Building Three	11	Wall		Wallboard	B	Intact	Negative	0.05
207	10/20/2016	Building Three	11	Wall		Wallboard	C	Intact	Negative	0.02
208	10/20/2016	Building Three	11	Wall		Wallboard	D	Intact	Negative	0.14
209	10/20/2016	Building Three	11	Door	Frame	Metal	D	Intact	Negative	0.11
210	10/20/2016	Building Three	11	Door	Jamb	Metal	D	Intact	Negative	0.01
211	10/20/2016	Building Three	11	Window	Frame	Metal	D	Intact	Negative	0
212	10/20/2016	Building Three	Restroom 1	Wall		Plaster	A	Intact	Negative	0.02
213	10/20/2016	Building Three	Restroom 1	Wall		Plaster	B	Intact	Negative	0.01
214	10/20/2016	Building Three	Restroom 1	Wall	Tile	Ceramic	C	Intact	Positive	12.1
215	10/20/2016	Building Three	Restroom 1	Ceiling		Plaster	D	Intact	Negative	0.02
216	10/20/2016	Building Three	Restroom 1	Door	Frame	Metal	C	Intact	Negative	0.06
217	10/20/2016	Building Three	Restroom 1	Window	Frame	Metal	B	Intact	Negative	0.22
218	10/20/2016	Building Three	Restroom 2	Wall		Plaster	A	Intact	Negative	0.12
219	10/20/2016	Building Three	Restroom 2	Wall	Tile	Ceramic	C	Intact	Positive	10.5
220	10/20/2016	Building Three	Restroom 2	Ceiling		Plaster		Intact	Negative	0
221	10/20/2016	Building Three	Restroom 2	Door	Frame	Metal	C	Intact	Negative	0.4
222	10/20/2016	Building Three	Restroom 2	Window	Frame	Metal	D	Intact	Negative	0
223	10/20/2016	Building Three	10	Wall		Wallboard	A	Intact	Negative	0.01
224	10/20/2016	Building Three	10	Wall		Wallboard	B	Intact	Negative	0.01
225	10/20/2016	Building Three	10	Wall		Wallboard	C	Intact	Negative	0
226	10/20/2016	Building Three	10	Wall		Wallboard	D	Intact	Negative	0.08
227	10/20/2016	Building Three	10	Door	Frame	Metal	B	Intact	Negative	0.4
228	10/20/2016	Building Three	10	Window	Frame	Metal	B	Intact	Negative	0
229	10/20/2016	Calibration							Positive	1
230	10/20/2016	Calibration							Positive	1.2
231	10/20/2016	Calibration							Positive	1.2
Total Readings			231				Action Level -		1	
Positive Readings			30				Units		mg/cm^2	

APPENDIX B: SITE PLAN



APPENDIX C: CERTIFICATIONS

Alfredo Torres

California DOSH **Certified Asbestos Consultant (CAC) #10-4593**

California DPH **Certified Lead Inspector Assessor (CLIA) #17424**



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

Kevin A Roberts

Name



Certification No. **94-1524**

Expires on **11/09/16**

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.



National Registry of Environmental Professionals

Be it known to all persons that the following individual pursuant to the requirements for education, experience and examination established by the National Registry of Environmental Professionals is entitled to all of the rights and privileges by the body and to be duly registered by it.



This is to certify that
Jenny Redlin

is a
Registered Environmental Property Assessor

This certificate will remain valid only if it bears the seal of the current year, unless revoked, suspended or invalidated by order of the Board of Directors of the National Registry of Environmental Professionals.



Witness our hand

04/24/2013

This Day _____

REPA 929174

Richard DeFouge, Ph.D.
Executive Director

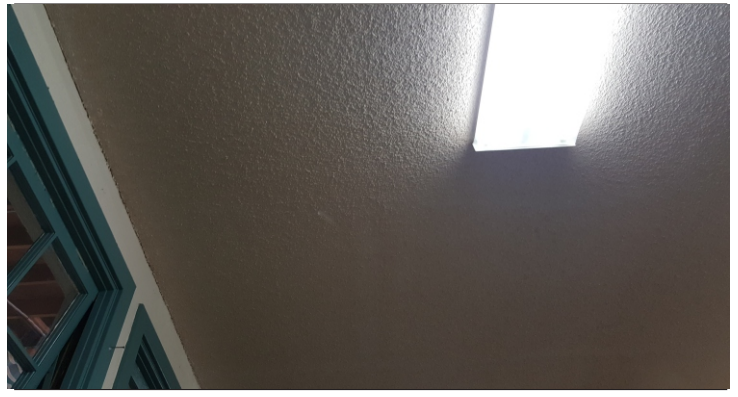
Registration Number: _____

This certificate is the property of the National Registry of Environmental Professionals and must upon demand be returned.

APPENDIX D: PHOTOGRAPHIC DOCUMENTATION



1. View of the stucco exteriors.



2. View of the spray applied acoustic ceiling material.



3. View of the 12x12 acoustic ceiling tiles.



4. View of the beige 12x12 vinyl floor tile.



5. View of the blue speck sheet vinyl flooring.



6. View of the wood door components.



7. View of the exterior window components.



8. View of the mercury thermostats.



9. View of the patio overhang components.



10. View of the concrete window sills.



11. View of the lead containing ceramic tiles.



12. View of the lead containing ceramic tiles.



13. View of the grey rolled on roofing.



14. View of the exterior overhang components.



15. View of the brown asphalt roof shingles.



16. View of the grey roof mastic.

APPENDIX E: FORM 8552


LEAD HAZARD EVALUATION REPORT**Section 1 — Date of Lead Hazard Evaluation** 10-20-2016**Section 2 — Type of Lead Hazard Evaluation (Check one box only)**
☒ Lead Inspection
 ☐ Risk assessment
 ☐ Clearance Inspection
 ☐ Other (specify) _____
Section 3 — Structure Where Lead Hazard Evaluation Was Conducted

Address [number, street, apartment (if applicable)]		City	County	Zip Code
5679 Hollister Ave		Goleta		93114
Construction date (year) of structure	Type of structure		Children living in structure?	
	<input type="checkbox"/> Multi-unit building <input checked="" type="checkbox"/> School or daycare		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	<input type="checkbox"/> Single family dwelling <input type="checkbox"/> Other _____		<input type="checkbox"/> Don't Know	

Section 4 — Owner of Structure (If business/agency, list contact person)

Name		Telephone number	
Address [number, street, apartment (if applicable)]		City	State
		Zip Code	

Section 5 — Results of Lead Hazard Evaluation (check all that apply)
☐ No lead-based paint detected
 ☒ Intact lead-based paint detected
 ☒ Deteriorated lead-based paint detected
☐ No lead hazards detected
 ☐ Lead-contaminated dust found
 ☐ Lead-contaminated soil found
 ☐ Other _____
Section 6 — Individual Conducting Lead Hazard Evaluation

Name		Telephone number	
Alfredo Torres		310-200-4006	
Address [number, street, apartment (if applicable)]		City	State
1027 Oakdale Street		Corona	Ca
CDPH certification number		Signature	Date
17424			10-26-2016

Name and CDPH certification number of any other individuals conducting sampling or testing (if applicable)

Section 7 — Attachments

- A. A foundation diagram or sketch of the structure indicating the specific locations of each lead hazard or presence of lead-based paint;
- B. Each testing method, device, and sampling procedure used;
- C. All data collected, including quality control data, laboratory results, including laboratory name, address, and phone number.

First copy and attachments retained by inspector

Second copy and attachments retained by owner

Third copy only (no attachments) mailed or faxed to:

California Department of Public Health
 Childhood Lead Poisoning Prevention Branch Reports
 850 Marina Bay Parkway, Building P, Third Floor
 Richmond, CA 94804-6403
 Fax: (510) 620-5656