



S202
Task 2 & 3 - Pre-Demolition Hazardous Materials Survey
Stockade Complex
Marina, California



Prepared for:
FORA
920 2nd Ave, Suite A
Marina, CA 93933

Prepared By:
Vista Environmental Consulting
2984 Teagarden Street
San Leandro, CA 94577

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EXECUTIVE SUMMARY

Vista Environmental Consulting (Vista) performed a pre-demolition hazardous materials survey for the 8 buildings of the Stockade Complex, Marina, California (Project Site). The buildings of the Stockade Complex are part of Fort Ord which is a former United States Army post on the Monterey Bay coast which closed in 1994. The Army left behind approximately 1,600 buildings ranging in age from the early 1900's to the late 1980's. Many of the buildings are currently in a state of disrepair. These buildings are set for demolition in an effort to redevelop the area.

The survey was performed to identify and sample accessible, suspect asbestos-containing materials, representative building components for the presence of lead-containing surface coatings/lead-based paints (LCSC/LBP), Polychlorinated Biphenyls (PCBs) in light fixture ballasts and transformers/transformer pads, and other hazardous materials that may be in the path of construction for the demolition project. Vista also performed waste characterization estimate sampling for the eight buildings.

The Hazardous Materials Summary, Asbestos Sampling Inventory, Sample and Asbestos-Containing Materials Locations Drawings, Photo Documentation, Asbestos Analytical Reports, Lead Paint XRF Sequential Reports, PCBs Analytical Reports (if applicable), and Waste Characterization Estimate Analytical Reports for each building can be found in *Appendix A – Hazardous Materials Data*. The buildings are listed in numeric order.

Asbestos was found in all buildings surveyed except for 4951. Prior to activities which will disturb identified or assumed asbestos, a Cal/OSHA registered and California licensed asbestos contractor must be utilized for abatement of asbestos that will be impacted. Should the removal of identified regulated asbestos-containing materials (RACM) involve at least 160 square feet or 260 linear feet, then notification to the Monterey Bay Air Resources District (MBARD) and Cal/OSHA must be accomplished prior to the initiation of such activities.

Lead was found in all buildings surveyed. Lead Paint XRF Sequential Reports may have duplicate reading numbers if XRF testing was done over multiple days and the XRF readings were downloaded and erased daily from the XRF device. XRF reading numbers may not start at reading number 1 if multiple buildings were surveyed on the same day. In the Lead Paint XRF Sequential Reports some reading numbers may be deleted due to incomplete data collection. When this occurs, the testing combination is repeated until a successful reading is obtained.

At present there is no state or federal regulation requiring mandatory lead removal or abatement prior to disturbance of building materials with identified lead paint or coatings. However, there are applicable Cal/OSHA worker protection and training requirements, Cal/EPA waste disposal requirements, CDPH requirements for public and residential buildings, and SB 460 lead hazard regulations that apply to lead-related construction activities, abatement activities and their associated wastes.

Other hazardous wastes were found in all buildings except 4950, 4952, and 4956. Vista's limited visual survey indicated that light fixtures with ballasts that may contain PCB oil are present. However, due to the limited nature of the random spot checks, Vista recommends that all ballasts be visually inspected prior to disposal to determine if they contain PCB's.

After demolition, the resulting wastes may be hazardous under California and federal RCRA standards for lead and/or other metals and therefore require proper handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility.

The waste characterization estimate data found in this report are estimates only and cannot be used in place of waste characterization sampling after the buildings are demolished and waste streams are segregated. Further, all surface preparation, paint removal wastes, and paint debris on the ground must be considered RCRA Class I hazardous wastes unless sampling proves otherwise.

Report prepared for the Company by:

A handwritten signature in black ink, appearing to read 'C. Burns', written in a cursive style.

Christopher R. Burns
Senior Project Manager
CAC #92-0224
LRCIA #663

1.0 INTRODUCTION

Vista Environmental Consulting (Vista) performed a pre-demolition hazardous materials survey for the 8 buildings of Stockade Complex, Marina, California (Project Site).

Site Background

The buildings of the Stockade Complex are part of Fort Ord which is a former United States Army post on the Monterey Bay coast which closed in 1994. Fort Ord was established in 1917, originally as Camp Gigling, as a military training base for infantry troops. In 1917, the East Garrison area and nearby lands on the east side of Fort Ord were purchased to use as a maneuver and training ground for field artillery and cavalry troops stationed at the Presidio of Monterey. In the late 1930s, the administrative buildings, barracks, mess halls, tent pads, and a sewage treatment plant were constructed. In 1938, additional agricultural property was purchased for the development of the Main Garrison. At the same time, beachfront property to the west was donated to the Army. Camp Gigling became Camp Ord in 1939 and then became Fort Ord in 1940. The Main Garrison was constructed between 1940 and the 1960s, starting in the northwest corner of the base and expanding southward and eastward.

In 1990, the US Secretary of Defense announced that the military would begin a process to reduce the number of nationwide military installations and Fort Ord was one of the bases named for closure. In 1991, it was formally announced that Fort Ord would be downsized and the Defense Base Realignment and Closure Commission (BRAC91) recommended that Fort Ord be closed. The closure of most of the former Ford Ord was completed in 1994.

The Army left behind approximately 1,600 buildings ranging in age from the early 1900's to the late 1980's. Many of the buildings are currently in a state of disrepair. These buildings are set for demolition in an effort to redevelop the area.

Buildings Background

The Stockade Complex is comprised of 8 Buildings including 3 Guard Towers (4950, 4952 and 4956), a Storage Building (4951), the Stockade (4953), a Maintenance Building (4954), a Generator Building (4955), and a Sewage Pump Station (4957).

The three 120 square feet Guard Towers (4950, 4952 and 4956) were built in 1941 and are located on the perimeter of the complex on the north central, north east and east central sides.

They are octagon shaped and constructed of concrete with asbestos cement paneling. Roofing is tar and gravel. Each tower is approximately 30 feet tall with no ladder access.

The 435 square foot Storage Building (4951) was built in 1951 and located on the east central perimeter of the site. It is constructed of concrete masonry units (CMU) and concrete. The roofing is tar and gravel.

The 55,487 square foot Stockade (4953) is the main building on the Project Site and is located on the south west side. The north (2 stories), south (1 story) and east wings (1 story) were built in 1953 and the west wing (2 stories) was added at an unknown date. The void area between the original building and the new wing has window debris that contains asbestos.

The north wing is a confinement area with small cells and large holding areas on the 1st floor and large holding areas on the 2nd floor. Each small cell has its own toilet areas and the large holding areas has a larger group restroom. There is an auditorium on the 1st floor south west side and offices and small restrooms on the south east side. A mechanical room is located on the south east side of the 2nd floor. The south wing is an office area with restrooms. The east wing is a kitchen and dining room and has the boiler room for the building in the basement.

These wings are constructed of reinforced concrete structural components with some concrete masonry unit walls. Windows are metal framed and interior finishes include vinyl floor tiles, ceramic floor and wall tiles, some wallboard walls and ceilings, and drop-in ceiling panels. Roofing is tar and gravel on concrete decks. Rooms have radiators for heat. The heating and hot water pipes are located in the concrete crawlspace pipe chases from the central boiler room.

The west wing consists of a confinement area with small individual cells with toilets on the 1st floor and larger group cell areas with a toilet area on the 2nd floor. Each floor has a group shower area. This wing is constructed of reinforced concrete structural components. Windows are metal framed and interior finishes include vinyl floor tiles, ceramic floor and wall tiles, and plaster ceilings. Roofing is tar and gravel on concrete decks. Rooms have forced air ducting for heat. The heating and hot water pipes are located in the concrete crawlspace pipe chases from the central boiler room.

The 3,960 square foot Maintenance Building (4954) was built in 1969. It has metal perimeter walls and roofing and sits on a concrete slab. The central portion has CMU low walls.

The 192 square foot Generator Building (4955) was built in 1973. It has metal perimeter walls and roofing and sits on a concrete slab. A generator and diesel tank are located inside the building.

The 276 square foot Sewage Pump Station (4957) was built in 1954 and located on the north west perimeter of the site. It is constructed of CMU and concrete. The roofing is tar and gravel.

Survey

The purpose of this survey was to identify hazardous building materials so they can be removed, waste characterized, and properly disposed of prior to being impacted by demolition activities. The data provided in this report can assist all parties involved in this project to make informed decisions with regards to regulatory compliance and the health and safety of their employees.

This survey included the following:

- Visible and accessible suspect asbestos-containing materials (ACM) were assessed and sampled to determine asbestos content.
- Representative painted and coated building components were assessed and categorized based upon standard selective demolition practices and sampled for lead content which can be used for worker protection estimates.
- Waste characterization estimate sampling.
- Polychlorinated Biphenyls (PCBs) assessment including the collection of one sample of from concrete on the former transformer pad in 4953.
- Visible and accessible materials with the potential to have hazardous properties that are regulated and are commonly found in buildings were assessed, but not sampled. These materials include, but are not limited to:
 - Universal Waste (UW) materials, such as non-incandescent lamps, batteries, mercury-containing devices, and electronic waste;
 - Devices which may contain ozone depleting chemicals, such as Heating, Ventilation and Air Conditioning (HVAC) systems, refrigerators, freezers, and water coolers/fountains;
 - Fuel storage tanks;
 - Visible mold growth, animal fecal matter, and other biohazards.

2.0 METHODOLOGY

Vista performed the hazardous materials survey from March 27 to 31, 2017, April 5 to 6, 2017, April 19 to 21, 2017, and August 10 and 23, 2017. The asbestos survey was conducted by Christopher Burns (#92-0224) a State of California Division of Occupational Safety and Health (Cal/OSHA) Certified Asbestos Consultant. Assisting on the survey was Javier Rocha, a Cal/OSHA Certified Site Surveillance Technician (#02-3244). The lead paint screening survey was conducted by Christopher Burns, who has a Lead-Related Construction Certificate as an Inspector/Assessor (LRCIA #-663) issued by the State of California Department of Public Health (CDPH).

Sub-surface areas were not included as part of this survey, hence no excavation was conducted to discover buried asbestos utility piping concealed below the surface. The project site was not assessed for the presence of Naturally Occurring Asbestos in the soil. Areas outside of ten feet from the building footprint were not assessed. The Project Site conditions may change from those outlined in this report as a result of natural and man-made causes.

2.1 *Asbestos*

The asbestos survey was performed generally in accordance with the AHERA protocol (40 CFR Part 763, Subpart E). Visual identification was performed by assessing visible and accessible structural, architectural, and mechanical components for the presence of suspect ACM at the Project Site.

This ACM survey was conducted in the following manner:

- Suspect ACM was categorized into homogeneous materials. A homogeneous material is defined as being a surfacing material, thermal system insulation, or miscellaneous material which is uniform in color and texture. It may also be additionally subcategorized using the date of installation, when available.
- A sampling scheme was developed based upon the location and quantity of the suspect homogeneous ACM. A rough order of magnitude estimate of each suspect homogenous ACM was calculated and recorded for future reference. A sampling scheme, including a specific number of samples per suspect homogeneous ACM, was calculated prior to sampling.
- Sampling guidelines established by the United States Environmental Protection Agency (USEPA) were utilized for sampling each suspected homogeneous ACM. Methods

described in Appendix K of 8 California Code of Regulation (CCR) 1529 were utilized in the collection of each suspect homogeneous ACM sample.

- Trained California asbestos certified personnel, using appropriate sampling tools and 3” long stainless steel cores, sterile leak-tight Whirl-pak® containers or equivalent, collected building materials that were suspected to contain ACM.
- Each suspect ACM sample was collected and sealed in a container and appropriately labeled with a unique sample identification number and recorded on an asbestos bulk sampling log. Each log contains a chain-of-custody to assure the proper transition of the samples from VISTA to the analytical laboratory.
- Sampling tools were decontaminated by using a clean wet cloth between the collection of each suspect sample to prevent the possibility of cross contamination to subsequent suspect ACM samples.

Suspect ACM samples were delivered, under proper chain-of-custody protocol, to Forensic Analytical Laboratories (FAL) in Hayward, California. FAL is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP) and the California Environmental Laboratory Accreditation Program (Cal-ELAP). The samples were submitted for analysis by Polarized Light Microscopy (PLM) utilizing dispersion staining techniques in accordance with the EPA’s “Method for the Determination of Asbestos in Bulk Building Materials” U.S. EPA/600/R-93/116, Visual Area Estimate, dated July 1993 and adopted by the NVLAP as Test Method Code 18/A01.

Representative samples of “trace” asbestos materials were further analyzed by 400-point bulk asbestos point count utilizing National Emission Standards for Hazardous Air Pollutants (NESHAP) Final Rule, 40 CFR, Part 61 methodology.

2.2 *Lead*

Vista’s lead construction screening survey used an X-Ray Fluorescence (XRF) direct read spectrum analyzer device to take readings of representative painted and coated surfaces for evaluation of lead levels for worker health and safety and preliminary waste characterization prior to construction activities. The device used was a NITON Corporation XRF Spectrum Analyzer, Model XLP- 300 A. This device is a solid-state detector optimized for lead L-shell and K-shell X-ray detection and uses a 40 mCi 109Cd (1,480 Mbq) isotope for an excitation source.

This survey was a limited screening for the purpose of characterizing the lead content in paint and coatings likely to be disturbed during work activities. For this purpose, XRF analysis was

used to screen for lead levels and provides results that are generally representative of typical conditions but are not inclusive of all painted/coated surfaces present at the Project Site. This survey was not a surface by surface inspection as outlined in the U.S. Department of Housing and Urban Development (HUD) Guidelines For the Evaluation and Control of Lead-Based Paint Hazards in Housing pursuant to Title X of the Housing and Community Development Act of 1992. These analytical data can be helpful in evaluation of lead-related environmental risks in general, but cannot be used to calculate worker exposures and are not a substitute for employee exposure monitoring or waste stream sampling.

Lead-Based Paint (LBP) is defined by CDPH as any paint containing lead levels exceeding 0.5 wt % (or 5000 parts per million) via paint chip sampling or 1.0 milligrams per centimeter squared (mg/cm²) or greater via X-Ray Fluorescence (XRF) direct read instrument sampling. Cal/OSHA rules apply to “any detectable concentration of lead” without a specified detection level.

2.3 *Other Hazardous Materials*

Devices with potential hazardous materials were visually identified during the survey walk-through and their quantities were estimated and recorded. No attempt was made to disassemble devices or sample suspect materials within the devices. For example, fluorescent light fixtures must be presumed to contain Universal Waste lamps, and ballasts which contain PCB oil are electronic waste, pending removal and disassembly of each unit to determine explicit product specific information that proves otherwise.

Vista’s limited PCBs sampling of the former concrete transformer pads used the following documents for reference:

- *Title 40, CFR Part 761-Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution In Commerce, And Use Prohibitions, United States Environmental Protection Agency (EPA), 7-1-11 Edition (40 CFR 761)*
- *Region 1, Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCB), May 2011*

Concrete samples were collected with a one-inch carbide drill bit with a rotary impact hammer drill. The samples were collected from a depth of 0 - 0.5 inches, and multiple holes located closely adjacent to each other were needed to generate sufficient sample volumes for a PCB determination. The laboratory crushed the concrete samples to a fine powder suitable for extraction and analysis.

All samples were placed in glass sample containers with Teflon-lined caps. Sample numbers and locations were recorded on a chain-of custody that accompanied the samples to the laboratory. Sample locations were recorded on a diagram and were marked and photographed, when possible. Samples were placed in coolers and shipped or delivered refrigerated with ice.

All samples were delivered under proper chain-of-custody protocol to Test America Laboratories, Inc. (Test America), 1220 Quarry Lane, Pleasanton, California. Samples were extracted using USEPA Method 3550B from EPA's SW-846, followed by analysis of the extracts for PCBs by USEPA Method 8082 from SW-846.

2.4 *Waste Characterization Estimate*

One sample of interior paint, one sample of exterior paint, one sample of ceramic tiles and mortar beds, and one sample of "other" building components were collected from each building where applicable. "Other" building components were classified and estimates of percentage by weight of the component materials were calculated. All samples were analyzed for CAM 17 metals, including mercury.

Painted and unpainted metal was not included, because metal is usually salvaged and recycled during demolition projects. Asbestos-containing materials were not included since these materials must be removed prior to demolition activities. Concrete was not included since this material is usually salvaged and recycled. Materials stored on the Project Site that were not part of the building structure were not accessed.

Samples were delivered, under proper chain-of-custody protocol, to Test America. This laboratory is accredited under American Industrial Hygiene Association (AIHA), the Environmental Lead Laboratory Accreditation Program (ELLAP), and the California Department of Public Health (CDPH) for multiple metals analysis.

The TTLC (Total Threshold Limit Concentration) samples were analyzed by EPA Method 6010B for metals by Inductively coupled Plasma (ICP) and Method 7471A for mercury by Cold Vapor Atomic Absorption (CVAA) using Protocol SW846 "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates". The STLC (Soluble Threshold Limit Concentration or "Wet Test") samples and TCLP samples were analyzed by 6010B for metals by ICP.

3.0 RESULTS

The following buildings were surveyed and contain the following hazardous materials:

Building	Asbestos	Lead-Based Paint	Universal Waste	PCBs	Biological Contamination
4950	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No	No	No
4951	No	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No
4952	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No	No	No
4953	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4954	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4955	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No	No	No
4956	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No	No	No
4957	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	No	No

Waste Characterization Estimate Summary:

Building	Analyte	RCRA Hazardous Waste	Non-RCRA California Class I Hazardous Waste	Class II or III Non-Hazardous Waste
4950	Lead	<input checked="" type="checkbox"/> Interior Paint Exterior Paint Other	NA	NA
4951	Lead	<input checked="" type="checkbox"/> Interior Paint Exterior Paint Other	NA	NA
4952	Lead	<input checked="" type="checkbox"/> Interior Paint Exterior Paint	NA	NA
4953	Lead	<input checked="" type="checkbox"/> Interior Paint Exterior Paint Other	NA	<input checked="" type="checkbox"/> Ceramic Tile/Mortar Bed
4954	Lead	<input checked="" type="checkbox"/> Interior Paint	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Other
4955	Lead	NA	NA	<input checked="" type="checkbox"/> Other
4956	Lead	<input checked="" type="checkbox"/> Interior Paint Exterior Paint	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4957	Mercury	NA	<input checked="" type="checkbox"/> Exterior Paint	<input checked="" type="checkbox"/> Other

The Hazardous Materials Summary, Asbestos Sampling Inventory, Sample and Asbestos-Containing Materials Locations Drawing, Photo Documentation, Asbestos Analytical Reports, Lead Paint XRF Sequential Reports, PCBs Analytical Reports (If Applicable), and Waste Characterization Estimate Analytical Reports for each building can be found in *Appendix A – Hazardous Materials Data*. The buildings are listed in numeric order.

Lead Paint XRF Sequential Reports may have duplicate reading numbers if XRF testing was done over multiple days and the XRF readings were downloaded and erased from the XRF device. XRF reading numbers may not start at reading number 1 if multiple buildings were surveyed on the same day. In the Lead Paint XRF Sequential Reports some reading numbers may be deleted due to incomplete data collection. When this occurred, the testing combination was repeated until a successful reading was obtained.

Sub-surface utility piping is assumed to be present throughout the Project Site.

4.0 RECOMMENDATIONS

4.1 *Asbestos*

Work performed during any activities that disturb the asbestos-containing materials identified in this report must be done in compliance with the most recent edition of all applicable federal, state, and local regulations, standards, and codes governing abatement, transport, and disposal of asbestos-containing materials. Materials encountered in the buildings that are not part of this report must be properly sampled for the content of asbestos or assumed to be asbestos containing prior to any disturbance.

Prior to activities which will disturb identified or assumed asbestos, a Cal/OSHA registered and California licensed asbestos contractor must be utilized for abatement of asbestos that will be impacted. Vista recommends that all abatement operations be conducted under the direction of a California Certified Asbestos Consultant.

Should the removal of identified regulated asbestos-containing materials (RACM) involve at least 160 square feet or 260 linear feet, then notification to the Monterey Bay Air Resources District (MBARD) and Cal/OSHA must be accomplished prior to the initiation of such activities.

4.2 *Lead*

At present there is no state or federal regulation requiring mandatory lead removal or abatement prior to disturbance of building materials with identified lead paint or coatings. However, there are applicable Cal/OSHA worker protection and training requirements, Cal/EPA waste disposal requirements, CDPH requirements for public and residential buildings, and SB 460 lead hazard regulations that apply to lead-related construction activities, abatement activities and their associated wastes. The following is a brief discussion and summary of applicable regulatory requirements:

◆ **Cal/OSHA:** Title 8, California Code of Regulation (CCR), Section 1532.1 (8 CCR 1532.1) governs occupational exposure to lead. This regulation requires that prior to initiation of certain activities, referred to as “trigger tasks”, workers must be trained, medically evaluated, and properly fitted with respiratory protection and protective clothing until statistically reliable personal eight-hour time weighted average (TWA) results indicate lead exposure levels below the Personal Exposure Limit (PEL) for each unique task which disturbs lead-based and lead-containing coatings. This process is known as a Negative Exposure Assessment or NEA.

If the result of the exposure assessment is above the Action Level (AL) additional monitoring is required and if the result is above the PEL additional exposure monitoring, worker protection (including respirator protection and PPE), training and medical requirements apply. However even where the NEA criteria is met, certain hazard communication training and work practice controls still apply where lead is disturbed. “Trigger tasks” are tasks that are assumed to exceed the PEL pending an exposure assessment and they encompass the majority of construction activities that disturb surface coatings. Examples of “trigger” tasks range from manual paint scraping as a lower expected exposure up to hot work and abrasive blasting as the highest expected exposures, and include any non-listed task that the employer determines may potentially expose employees to lead levels above the AL.

“OSHA does not consider any method that relies solely on the analysis of bulk materials or surface content of lead (or other toxic material) to be acceptable for safely predicting employee exposure to airborne contaminants. Without air monitoring results or without the benefit of historical or objective data (including air sampling which clearly demonstrates that the employee can not be exposed above the action level during any process, operation, or activity) the analysis of bulk or surface samples can not be used to determine employee exposure.”- OSHA Standard Interpretation May 8, 2000.

OSHA states that these rules apply to “any detectable concentration of lead” without a specified detection level. Due to the Consumer Product Safety Commission currently allowing paint to contain up to 90 parts per million (ppm) or 0.009 wt% of lead, the variation of lead content due

to aging and weathering, and the variation of detection limits associated with analysis of bulk materials, such as paint chips and surface content analysis via XRF, it is recommended that all painted or coated surfaces be treated as potentially containing lead. Positive analytical results by either method can be used to indicate that detectable lead is present but negative results cannot be interpreted as conclusively demonstrating the absence of lead.

Analytical data from analysis of bulk materials or surface content of lead can be helpful in evaluation of lead-related environmental risks in general but cannot be used to calculate worker exposures and are not a substitute for employee exposure monitoring. As a result, any employee that works around potential lead-based or lead-containing coatings must have HAZCOM training and personal exposure air monitoring is additionally required for employees that disturb such coatings. Significant additional certification, notification, and work practices are required for materials found to be lead-based.

Any welding, cutting or heating of metal surfaces containing surface coatings should be conducted in accordance with 29 CFR 1926.354 and 8 CCR 1537. These regulations require surfaces covered with toxic preservatives, and in enclosed areas, be stripped of all toxic coatings for a distance of at least 4 inches, in all directions, from the area of heat application prior to the initiation of such heat application.

◆ **Cal/EPA** through the Division of Toxic Substance Control (DTSC) regulates disposal of lead hazardous waste (22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes). DTSC has issued guidance indicating that architectural debris with intact lead paint is normally expected to be handled as general construction waste. However, waste stream segregation and analysis is still required for all lead painted or coated debris regardless of if the paint or coating is intact on a building component or not. The resulting wastes may be hazardous under California and federal RCRA standards for lead and therefore require proper handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility.

◆ **CDPH**: The Department of Public Health (CDPH) has specific requirements (Title 17 Sections 35001 thru 36100 et. al.) for hazard assessment and work in public or residential structures in regards to lead-based paint. These regulations require special certifications, work practices, and notification for such activities.

◆ **Senate Bill 460 (SB 460):** An act to amend Section 1941.1 of the Civil Code, and to amend Sections 17961, 17980, and 124130 of, and to add Sections 17920.10, 105251, 105252, 105253, 105254, 105255, 105256, and 105257 to, the Health and Safety Code, relating to lead abatement. This bill allows for fines and criminal penalties to be levied on any person who is found to have performed lead abatement without containment or created a measurable “lead hazard” based upon current CDPH standards. A “lead hazard” means deteriorated lead-based paint, lead contaminated dust, lead contaminated soil, disturbing lead-based paint or presumed lead-based paint without containment, or any other nuisance which may result in persistent and quantifiable lead exposure.

Vista recommends that all parties coming into contact with paint that has detectable lead content follow all applicable federal, state and local regulations relating to employee health and safety and proper disposal of generated wastes.

4.3 *Other Hazardous Materials*

All potential and identified Universal Waste materials (UW) impacted by the work should be removed and recycled or disposed of in accordance with the UW guidelines established by the DTSC, as stated in 22 CCR Sections 66261.9 and 66273.1 thru 66273.90.

Vista’s limited visual survey indicated that light fixtures with ballasts that may contain PCB oil are present. However, due to the limited nature of the random spot checks, Vista recommends that all ballasts be visually inspected prior to disposal to determine if they contain PCB’s. Those ballasts marked No PCB’s or PCB Free can be considered as such as should be treated as UW - electronic waste.

All PCB-containing devices, including, but not limited to ballasts and transformers, should be removed or have the oils removed and properly handled, collected, stored, transported and recycled or disposed of by an approved recycling or disposal facility in accordance with the requirements of Title 22 CCR 67426.1. Non-porous materials in contact with PCBs should be decontaminated in accordance with 40 CFR 761, Subpart S—Double Wash/Rinse Method for Decontaminating Non-Porous Surfaces.

Devices containing ozone depleting chemicals, low-level radiation, and halon should be collected, waste characterized, disposed or recycled according to California rules and regulations.

All personnel who perform hazardous materials work must be trained and qualified to do so. They must also follow the most current OSHA regulations including 29 CFR 1910.120 and 8 CCR 5192, Hazardous Waste Operations and Emergency Response, as well as other applicable federal, state and local laws and regulations. All biological contamination removal and clean up related work shall be conducted in accordance with the all applicable Federal, State, and Local regulations.

4.4 *Waste Characterization Estimate*

Waste stream segregation and analysis is required in accordance with 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes for all paint or coating debris regardless of if the paint or coating is intact. The resulting wastes may be hazardous under California and federal RCRA standards for lead and/or other metals and therefore require proper handling, packaging, labeling, and transportation under a proper manifest to a permitted hazardous waste storage, treatment and disposal facility.

The waste characterization estimate data found in this report are estimates only and cannot be used in place of waste characterization sampling after the buildings are demolished and the waste streams are segregated. Further, all surface preparation, paint removal wastes, and paint debris on the ground must be considered RCRA Class I hazardous wastes unless sampling proves otherwise.

5.0 LIMITATIONS & EXCLUSIONS

Quantities and locations are based upon areas that were accessed. Materials similar those in this report may be present in areas which were not accessed. Because of this Vista recommends including line item pricing, allowances, and/or additive/deductive wording to bid sheets for unforeseen conditions.

All material quantities reported herein are rough order of magnitude estimates and should not be used for bidding purposes. Contractors are responsible for accurately determining quantities and locations of materials identified. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, PRIOR to bidding.

Respectfully Submitted,
Vista Environmental Consulting



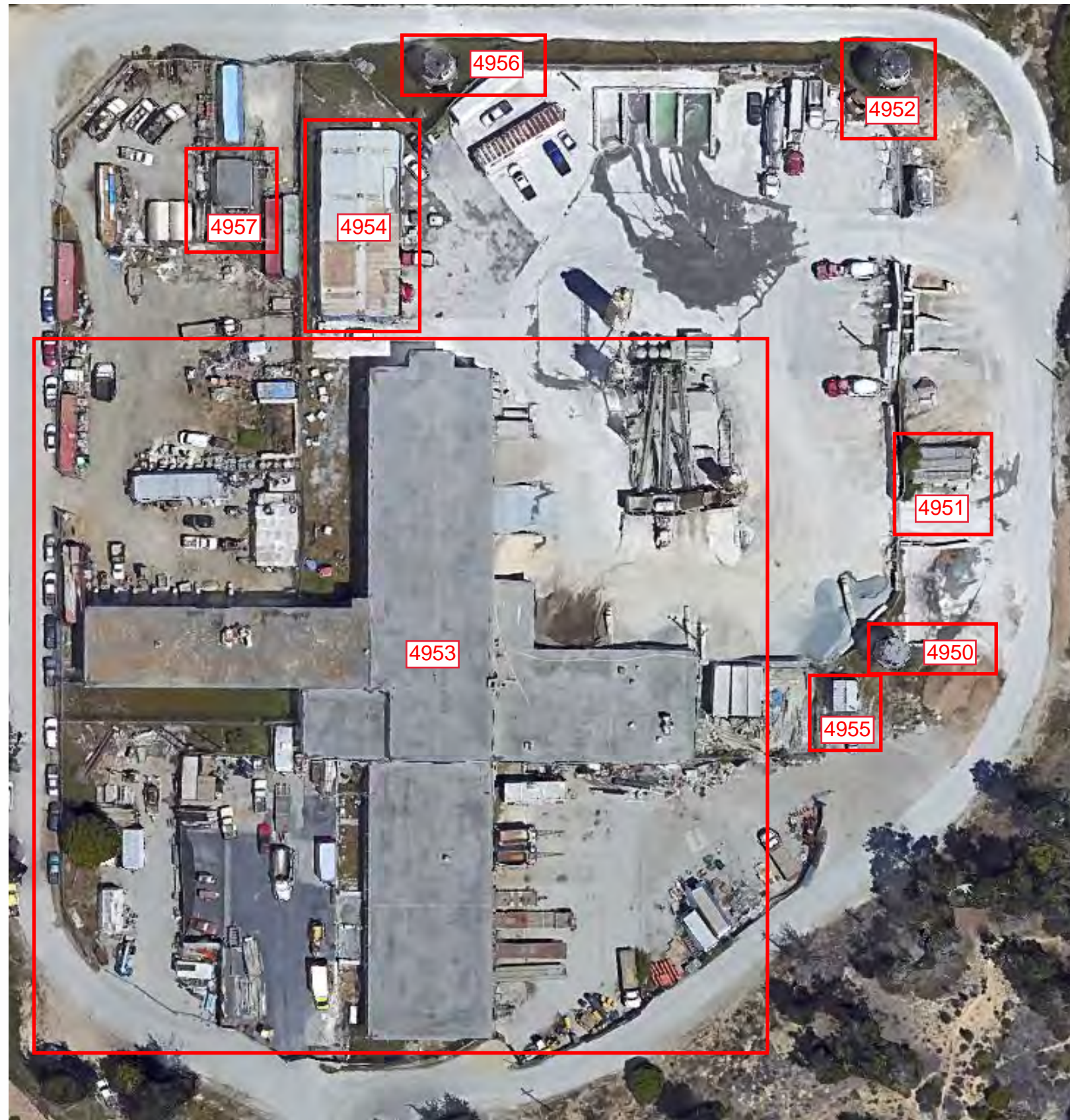
Christopher R. Burns
Senior Project Manager
CAC #92-0224
LRCIA #663

Reviewed and Approved



Charles R. Bove
Principal
CAC #92-0160

FIGURE 1
SITE PLAN



PROJECT TITLE

**STOCKADE COMPLEX
MARINA, CALIFORNIA**

SHEET TITLE

SITE PLAN

SCALE:
 DRAWN BY:
 CHECKED BY:
 PROJECT No.
 DATE:
 DRAWING No.

FIGURE

1

ASBESTOS DATA KEY

Asbestos Data Key

Homogeneous Identification (Homo. ID) letters found in the Hazardous Material Summary and Asbestos Sampling Inventory correspond to sample identification numbers found on the Sample Location Drawings (Red Rectangles with Homo. ID and samples number(s)) and Asbestos Analytical Reports (building number with the Homo. ID and sample numbers(s)). Materials that contain asbestos will be found on the Material location Drawings with the Homo. ID inside a blue circle.

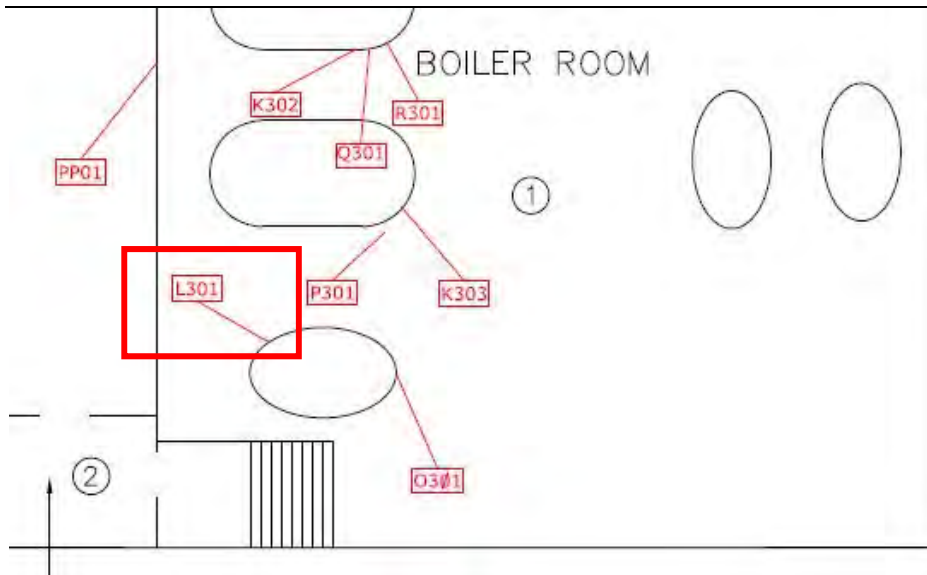
For example: in Building “1234”, “3” samples were taken of an asbestos containing material with Homo. ID “A”. The Hazardous Materials Summary will have this material in the Asbestos table with description, location, regulatory classifications and estimated quantities. The Asbestos Sampling Inventory will have this material listed with description and the number of samples taken (3). The Sample Location Drawing will have “A01”, “A02” and “A03” drawn on the map with an arrow to the location of each sample. The Material Location Drawings will have “A” in either the specific location where the material can be found or a written description of the material location. The Asbestos Analytical Reports will have “1234-A01”, “1234-A02” and “1234-A03” listed with the type and percent amount of asbestos in the material.

See below for visual examples of Asbestos Sample Identification methodology:

Asbestos Summary for Building 4953 – Showing Homogenous ID (L3)

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
L3	Jacketing	White, Fiberglass Tank	Boiler Room	Class I	Friable (RACM when Removed)	70 SF
S3	Gasket	Brown	Boiler Room	Class II	Category I - Non-Friable	8 SF
			Restrooms			

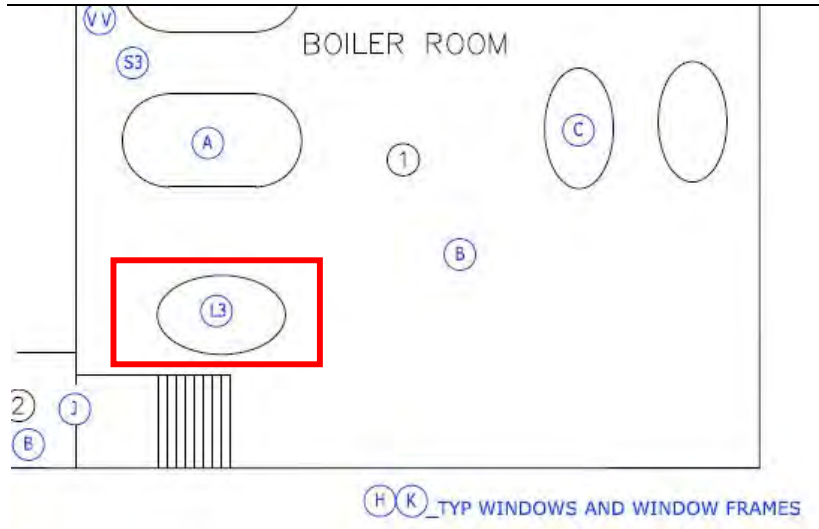
Sample Location Drawing for Building 4953 – Tag (L301) Combines Homogeneous ID (L3) and Sample # (01)



Asbestos Data Key

Material Location Drawing for Building 4953 –

Bubble identifies location of asbestos-containing Homogeneous Material by ID (L3)



Sample Analysis (Bulk & Point Count) showing Building # (4953) Homogeneous ID (L3) and Sample # (01)

4953-L3-01	11875198		
Layer: Yellow Fibrous Material			ND
Layer: White Semi-Fibrous Material		Chrysotile	5 %
Layer: Paint			ND
Total Composite Values of Fibrous Components:		Asbestos (4%)	
Cellulose (Trace)	Fibrous Glass (10 %)		

Bulk Sample Log (Chain of Custody) showing Building # (4953) Homogeneous ID ("L3" and Sample # (01)

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION
4953	L3	01	Jacketing	White, FB Tank	
4953	M3	01	Brick	Red, Boiler	

APPENDIX A
BUILDING DATA

BUILDING 4950



The information contained in these appendices are not stand alone documents and should not be separated from this report. For specific regulatory requirements regarding these materials please refer to the information provided in the Main Report. Quantities and locations listed in the tables are order of magnitude estimates and are not to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, prior to bidding.

MBARD classifications are based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification. MBARD & Cal-OSHA classifications are based on the materials being >1% asbestos pending further analytical data that proves otherwise.

BUILDING 4950

HAZARDOUS MATERIALS SUMMARY

Asbestos

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
A	Cement Panel	Gray, Interior & Exterior	Interior and Exterior	Class II	Category II-Non-Friable	300 SF
B	Mastic	Gray & Black, Roof	Roof	Class II	Category I - Non-Friable	5 SF
E	Sealant	Gray, Louver, Hard	Louver	Class II	Category I - Non-Friable	2 SF (14 LF)
F	Sealant	Gray, Window Frame, Goopy	Window Frames	Class II	Category I - Non-Friable	10 SF (120 LF)
H	Gasket	Red & White, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
I	Insulation	White, Wire, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
L	Heat Shield	White, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
M	Insulator	White & Black, Spotlight	Spotlight	Class II	Category II-Non-Friable	1 SF

Lead-Based Paint and Materials

Reading No	Room	Component	Substrate	Color	Condition	Pb	Units
5	Outside	Wall	Concrete	Beige	Deteriorated	6.8	mg/cm ²
6	Outside	Wall	Concrete	Beige	Deteriorated	7.1	mg/cm ²
8	Outside	Window Casing	Metal	Beige	Deteriorated	11	mg/cm ²
9	Outside	Door Frame	Metal	Blue	Deteriorated	4.8	mg/cm ²
10	Outside	Column	Metal	Blue	Deteriorated	20.2	mg/cm ²
15	Outside	Wall	Concrete	Blue	Deteriorated	4.1	mg/cm ²

All remaining tested materials had lead concentrations in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1.

Other Hazardous Materials

- No other hazardous materials were identified in this building.

BUILDING 4950
HAZARDOUS MATERIALS SUMMARY

Waste Characterization Estimate

Interior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	210	mg/kg	210	500	No	YES	NA	NA
Arsenic	37	mg/kg	37	500	No	No	NA	NA
Barium	12	mg/kg	12	10,000	No	No	NA	NA
Cadmium	36	mg/kg	36	100	No	YES	NA	NA
Chromium	1700	mg/kg	1700	2,500	No	YES	NA	NA
Cobalt	79	mg/kg	79	8,000	No	No	NA	NA
Copper	56	mg/kg	56	2,500	No	No	NA	NA
Lead	24000	mg/kg	24000	1,000	YES	No	19	YES
Nickel	15	mg/kg	15	2,000	No	No	NA	NA
Vanadium	17	mg/kg	17	2,400	No	No	NA	NA
Zinc	18000	mg/kg	18000	5,000	YES	No	NA	NA
Mercury	0.5	mg/kg	0.5	20	No	No	NA	NA

Exterior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	150	mg/kg	150	500	No	YES	NA	NA
Arsenic	42	mg/kg	42	500	No	No	NA	NA
Barium	130	mg/kg	130	10,000	No	No	NA	NA
Cadmium	31	mg/kg	31	100	No	YES	NA	NA
Chromium	2100	mg/kg	2100	2,500	No	YES	NA	NA
Cobalt	120	mg/kg	120	8,000	No	No	NA	NA
Copper	54	mg/kg	54	2,500	No	No	NA	NA
Lead	25000	mg/kg	25000	1,000	YES	No	26	YES
Nickel	12	mg/kg	12	2,000	No	No	NA	NA
Vanadium	9	mg/kg	9	2,400	No	No	NA	NA
Zinc	20000	mg/kg	20000	5,000	YES	No	NA	NA
Mercury	1.4	mg/kg	1.4	20	No	No	NA	NA

BUILDING 4950
HAZARDOUS MATERIALS SUMMARY

Other (Painted Wood & Roofing)

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	510	mg/kg	510	500	YES	No	NA	NA
Barium	210	mg/kg	210	10,000	No	No	NA	NA
Cadmium	21	mg/kg	21	100	No	YES	NA	NA
Chromium	3800	mg/kg	3800	2,500	YES	No	1	No
Cobalt	92	mg/kg	92	8,000	No	No	NA	NA
Copper	35	mg/kg	35	2,500	No	No	NA	NA
Lead	17000	mg/kg	17000	1,000	YES	No	6.2	YES
Nickel	20	mg/kg	20	2,000	No	No	NA	NA
Vanadium	18	mg/kg	18	2,400	No	No	NA	NA
Zinc	6500	mg/kg	6500	5,000	YES	No	NA	NA
Mercury	0.77	mg/kg	0.77	20	No	No	NA	NA

Shaded sample results were below the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCL level. However, Soluble Threshold Limit Concentration (STLC) testing and analysis would be needed to see if it is a California Hazardous Waste, and Toxicity Characteristic Leaching Procedure (TCLP) testing and analysis would be needed to determine if it is a Federal RCRA Hazardous Waste.



Bolded sample results were above the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCL and or STLC level and would be considered a California Hazardous Waste. TCLP testing and analysis may be needed to determine if it is a Federal RCRA Hazardous Waste.

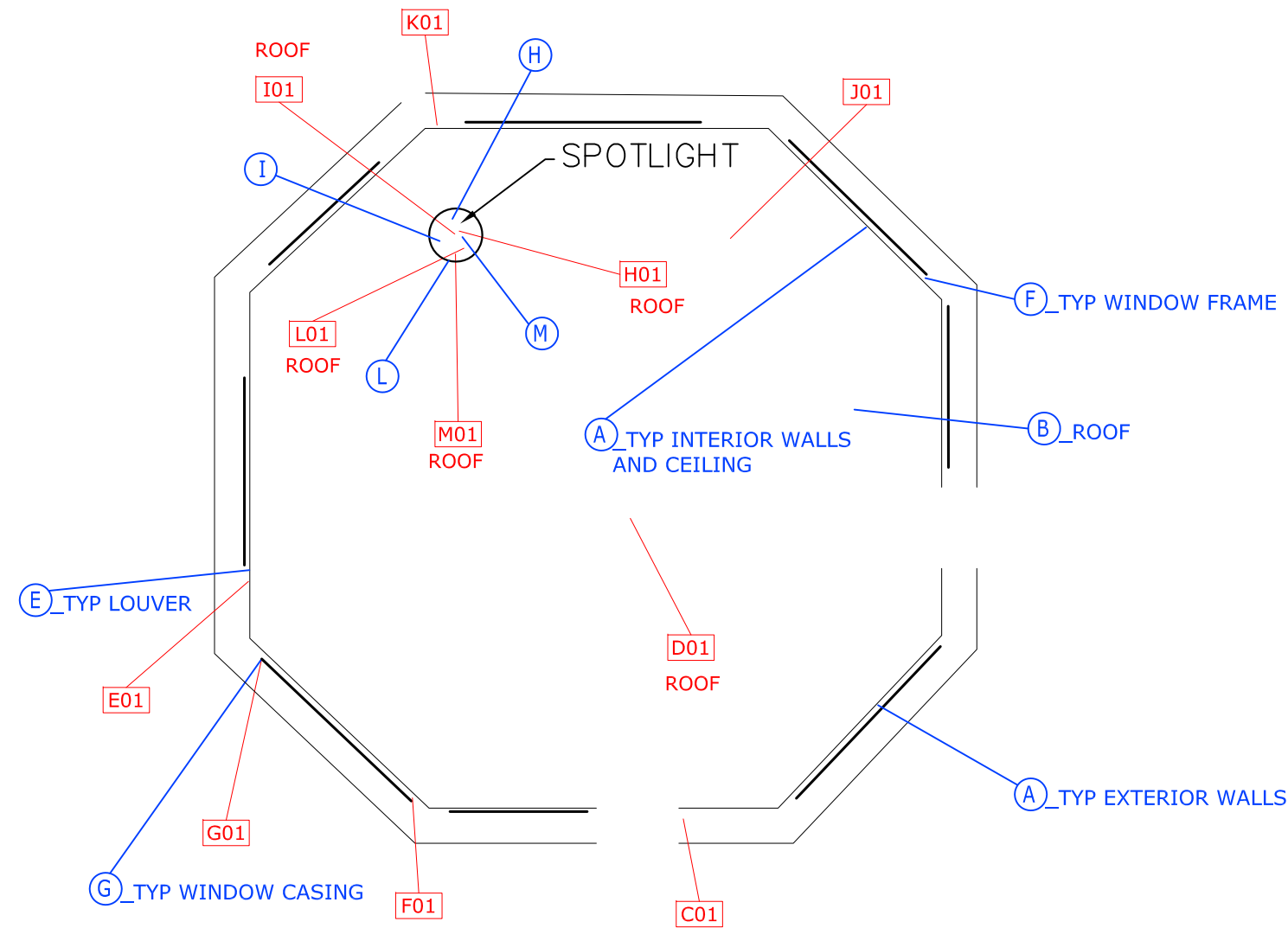
Shaded and Bolded sample results are considered a Federal RCRA Hazardous Waste.

Tested metals not listed were below the reporting limit, which represents the lowest amount of analyte that the laboratory can confidently detect in the sample.

**BUILDING 4950
ASBESTOS SAMPLING INVENTORY**

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Cement Panel	Gray, Interior & Exterior	Positive
B	Mastic	Gray & Black, Roof	Positive
C	Paint/Concrete	White/Gray	1
D	Roofing	Black, Tar & Gravel	1
E	Sealant	Gray, Louver, Hard	1
F	Sealant	Gray, Window Frame, Gooney	1
G	Sealant	White & Gray, Window Casing	1
H	Gasket	Red & White, Spotlight	1
I	Insulation	White, Wire, Spotlight	1
J	Paint	Red, Floor	1
K	Paint	Beige & Gray, Metal Components	1
L	Heat Shield	White, Spotlight	1
M	Insulator	White & Black, Spotlight	1

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-ASBESTOS MATERIAL LOCATION



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 SAN LEANDRO, CA 94577
 510-346-8860

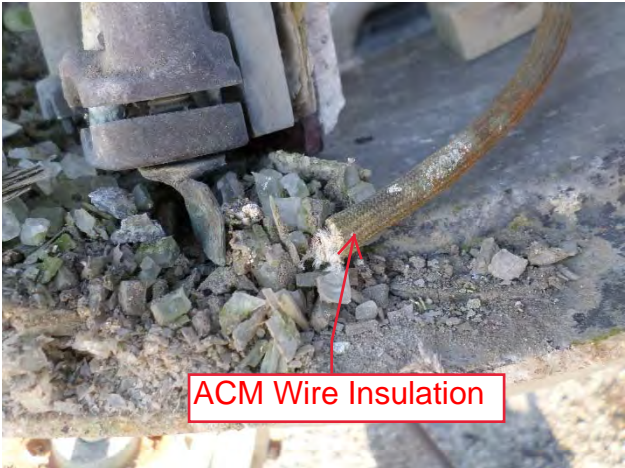
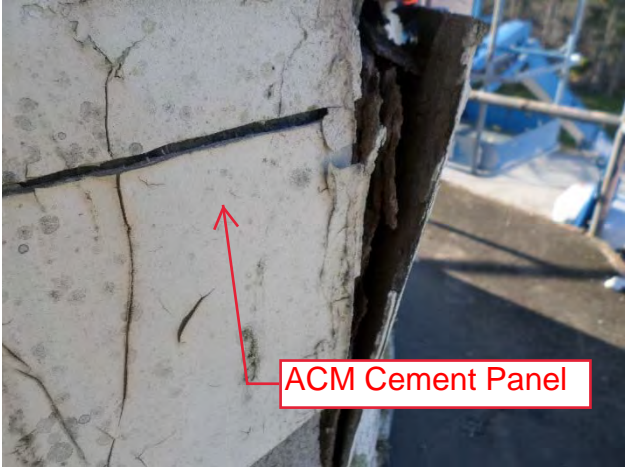
PROJECT TITLE
 FORA
 STOCKADE COMPLEX

SHEET TITLE
 4950
 ASBESTOS-CONTAINING MATERIALS
 AND SAMPLE LOCATIONS

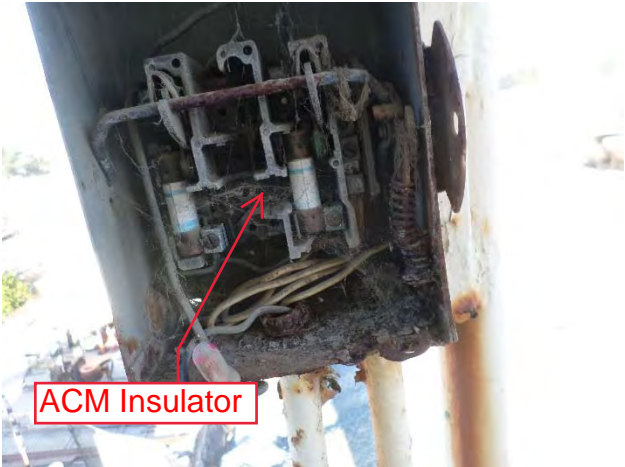
SCALE:
 DRAWN BY: ADF
 CHECKED BY: CB
 PROJECT No.
 DATE: 05/01/17
 DRAWING No.

FIGURE
 1

BUILDING 4950
PHOTO DOCUMENTATION



BUILDING 4950
PHOTO DOCUMENTATION





Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B237129
Date Received: 04/03/17
Date Analyzed: 04/05/17
Date Printed: 04/05/17
First Reported: 04/05/17

Job ID/Site: 17191001 - FORA, Stockade Bldg #4950

FALI Job ID: L1161
Total Samples Submitted: 11
Total Samples Analyzed: 11

Date(s) Collected: 03/29/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4950-C01	11875058						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4950-D01	11875059						
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (55 %)							
4950-E01	11875060						
Layer: Grey Semi-Fibrous Material		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4950-F01	11875061						
Layer: Grey Semi-Fibrous Material		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace) Synthetic (3 %)							
4950-G01	11875062						
Layer: Beige Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4950-H01	11875063						
Layer: Red/White Fibrous Material		Chrysotile	85 %				
Total Composite Values of Fibrous Components:		Asbestos (85%)					
Cellulose (Trace)							

Client Name: Vista Environmental Consultants

Report Number: B237129

Date Printed: 04/05/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4950-I01	11875064						
Layer: Off-White Fibrous Material		Chrysotile	60 %				
Total Composite Values of Fibrous Components:		Asbestos (60%)					
Cellulose (5 %)	Fibrous Glass (20 %)						
4950-J01	11875065						
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4950-K01	11875066						
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4950-L01	11875067						
Layer: Off-White Woven Material		Chrysotile	40 %				
Total Composite Values of Fibrous Components:		Asbestos (40%)					
Cellulose (55 %)							
4950-M01	11875068						
Layer: Grey/Brown Semi-Fibrous Material		Chrysotile	15 %				
Total Composite Values of Fibrous Components:		Asbestos (15%)					
Cellulose (Trace)							



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

ASBESTOS BULK SAMPLE LOG

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/29/17

LOCATION: Stockade Bldg #4950

PROJECT NUMBER: 171091001

SAMPLED BY: OB

CAC OR SST No: 92-0224

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4950	C	01	Paint/Conade	White/Gray		
4950	D	01	Roofing	Black, T&G		
4950	E	01	Sealant	GRAY, Louver (Hard)		
4950	F	01	Sealant	Gray, WINDOW Frame (GOOCY)		
4950	G	01	Sealant	White & Gray, WINDOW CASING		
4950	H	01	Gasket	Red & white, SPOTLIGHT		
4950	I	01	INSULATION	white, wire, SPOTLIGHT		
4950	J	01	Paint	RED Floor		
4950	K	01	Paint	Beige & Gray, Metal Component		
4950	L	01	HEATSHIELD	White, SPOTLIGHT		

ANALYTICAL METHOD: PLM ~~400 FT COUNT~~ TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

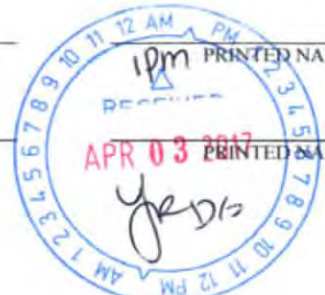
SPECIAL INSTRUCTIONS: _____

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME 03/31/17 DATE/TIME

2. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME

3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME





VISTA ENVIRONMENTAL CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/29/17

LOCATION: Stockade Bldg #4950

PROJECT NUMBER: 171091001

SAMPLED BY: CB

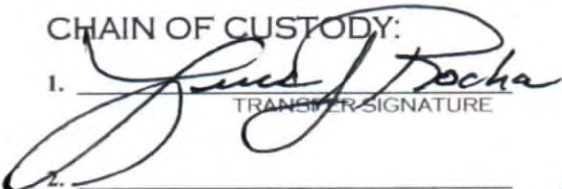
CAC OR SST No: 92-0224

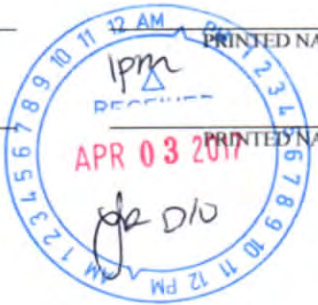
BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4950	M	01	INSULATOR	White & Black, Spotlight		
// Samples						

ANALYTICAL METHOD: PLM / ~~401711001~~ TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY
 DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
 QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: _____

CHAIN OF CUSTODY:

- 
 TRANSFER SIGNATURE LUIS J ROCHA 03/31/17
 PRINTED NAME DATE/TIME
- _____
 TRANSFER SIGNATURE _____ _____
 PRINTED NAME DATE/TIME
- _____
 TRANSFER SIGNATURE _____ _____
 PRINTED NAME DATE/TIME



**FORA
4950
XRF Sequential Report**

Reading No	Building	Room	Component	Substrate	Color	Condition	Results	PbC	Units
1			SHUTTER_CAL					4.62	cps
2			CALIBRATE				Positive	1	mg / cm ^2
3			CALIBRATE				Positive	1	mg / cm ^2
4			CALIBRATE				Positive	1.2	mg / cm ^2
5	4950	OUTSIDE	WALL	CONCRETE	BEIGE	DETERIORATED	Positive	6.8	mg / cm ^2
6	4950	OUTSIDE	WALL	CONCRETE	BEIGE	DETERIORATED	Positive	7.1	mg / cm ^2
7	4950	OUTSIDE	HAND RAIL	METAL	BEIGE	DETERIORATED	Negative	0.3	mg / cm ^2
8	4950	OUTSIDE	WINDOW CASING	METAL	BEIGE	DETERIORATED	Positive	11	mg / cm ^2
9	4950	OUTSIDE	DOOR FRAME	METAL	BLUE	DETERIORATED	Positive	4.8	mg / cm ^2
10	4950	OUTSIDE	COLUMN	METAL	BLUE	DETERIORATED	Positive	20.2	mg / cm ^2
11	4950	OUTSIDE	WINDOW SHUTTER	WOOD	WHITE	DETERIORATED	Negative	0	mg / cm ^2
12	4950	INSIDE	FLOOR	CONCRETE	RED	DETERIORATED	Negative	0.6	mg / cm ^2
13	4950	OUTSIDE	LADDER	METAL	BLACK	DETERIORATED	Negative	0.08	mg / cm ^2
14	4950	OUTSIDE	FASCIA	METAL	BLACK	DETERIORATED	Negative	0.03	mg / cm ^2
15	4950	OUTSIDE	WALL	CONCRETE	BLUE	DETERIORATED	Positive	4.1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

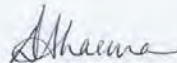
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79057-1
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/28/2017 5:26:45 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Job ID: 720-79057-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-79057-1

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The following samples was diluted to bring the concentration of target analytes Pb, Zn within the calibration range: 4950-T22-01 (720-79057-1), 4950-T22-02 (720-79057-2) and 4950-T22-03 (720-79057-3). Elevated reporting limits (RLs) are provided.

Method 6010B: The continuing calibration blank (CCB) for analytical batch 720-222091 contained Pb above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Client Sample ID: 4950-T22-01

Lab Sample ID: 720-79057-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	210		7.5		mg/Kg	20		6010B	Total/NA
Arsenic	37		15		mg/Kg	20		6010B	Total/NA
Barium	120		7.5		mg/Kg	20		6010B	Total/NA
Cadmium	36		1.9		mg/Kg	20		6010B	Total/NA
Chromium	1700		7.5		mg/Kg	20		6010B	Total/NA
Cobalt	79		3.0		mg/Kg	20		6010B	Total/NA
Copper	56		23		mg/Kg	20		6010B	Total/NA
Lead	24000		7.5		mg/Kg	20		6010B	Total/NA
Nickel	15		7.5		mg/Kg	20		6010B	Total/NA
Vanadium	17		7.5		mg/Kg	20		6010B	Total/NA
Zinc	18000		23		mg/Kg	20		6010B	Total/NA
Mercury	0.50		0.019		mg/Kg	2		7471A	Total/NA

Client Sample ID: 4950-T22-02

Lab Sample ID: 720-79057-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	150		6.8		mg/Kg	20		6010B	Total/NA
Arsenic	42		14		mg/Kg	20		6010B	Total/NA
Barium	130		6.8		mg/Kg	20		6010B	Total/NA
Cadmium	31		1.7		mg/Kg	20		6010B	Total/NA
Chromium	2100		6.8		mg/Kg	20		6010B	Total/NA
Cobalt	120		2.7		mg/Kg	20		6010B	Total/NA
Copper	54		21		mg/Kg	20		6010B	Total/NA
Lead	25000		6.8		mg/Kg	20		6010B	Total/NA
Nickel	12		6.8		mg/Kg	20		6010B	Total/NA
Vanadium	9.0		6.8		mg/Kg	20		6010B	Total/NA
Zinc	20000		21		mg/Kg	20		6010B	Total/NA
Mercury	1.4		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: 4950-T22-03

Lab Sample ID: 720-79057-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	510		9.8		mg/Kg	20		6010B	Total/NA
Barium	210		9.8		mg/Kg	20		6010B	Total/NA
Cadmium	21		2.5		mg/Kg	20		6010B	Total/NA
Chromium	3800		9.8		mg/Kg	20		6010B	Total/NA
Cobalt	92		3.9		mg/Kg	20		6010B	Total/NA
Copper	35		29		mg/Kg	20		6010B	Total/NA
Lead	17000	^	9.8		mg/Kg	20		6010B	Total/NA
Nickel	20		9.8		mg/Kg	20		6010B	Total/NA
Vanadium	18		9.8		mg/Kg	20		6010B	Total/NA
Zinc	6500		29		mg/Kg	20		6010B	Total/NA
Mercury	0.77		0.0098		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Client Sample ID: 4950-T22-01

Lab Sample ID: 720-79057-1

Date Collected: 04/21/17 08:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	210		7.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Arsenic	37		15		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Barium	120		7.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Beryllium	ND		1.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Cadmium	36		1.9		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Chromium	1700		7.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Cobalt	79		3.0		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Copper	56		23		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Lead	24000		7.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Molybdenum	ND		7.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Nickel	15		7.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Selenium	ND		15		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Silver	ND		3.8		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Thallium	ND		7.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Vanadium	17		7.5		mg/Kg		04/25/17 19:34	04/28/17 15:11	20
Zinc	18000		23		mg/Kg		04/25/17 19:34	04/28/17 15:11	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.50		0.019		mg/Kg		04/25/17 09:41	04/25/17 15:15	2

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Client Sample ID: 4950-T22-02

Lab Sample ID: 720-79057-2

Date Collected: 04/21/17 08:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	150		6.8		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Arsenic	42		14		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Barium	130		6.8		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Beryllium	ND		1.4		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Cadmium	31		1.7		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Chromium	2100		6.8		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Cobalt	120		2.7		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Copper	54		21		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Lead	25000		6.8		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Molybdenum	ND		6.8		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Nickel	12		6.8		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Selenium	ND		14		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Silver	ND		3.4		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Thallium	ND		6.8		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Vanadium	9.0		6.8		mg/Kg		04/25/17 19:34	04/28/17 15:16	20
Zinc	20000		21		mg/Kg		04/25/17 19:34	04/28/17 15:16	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.4		0.0095		mg/Kg		04/25/17 09:41	04/25/17 14:18	1

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Client Sample ID: 4950-T22-03

Lab Sample ID: 720-79057-3

Date Collected: 04/21/17 08:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	510		9.8		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Arsenic	ND		20		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Barium	210		9.8		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Beryllium	ND		2.0		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Cadmium	21		2.5		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Chromium	3800		9.8		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Cobalt	92		3.9		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Copper	35		29		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Lead	17000	[^]	9.8		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Molybdenum	ND		9.8		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Nickel	20		9.8		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Selenium	ND		20		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Silver	ND		4.9		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Thallium	ND		9.8		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Vanadium	18		9.8		mg/Kg		04/25/17 19:34	04/28/17 16:06	20
Zinc	6500		29		mg/Kg		04/25/17 19:34	04/28/17 16:06	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.77		0.0098		mg/Kg		04/25/17 09:41	04/25/17 14:20	1

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-221833/1-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Arsenic	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Barium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Beryllium	ND		0.10		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cadmium	ND		0.13		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Chromium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cobalt	ND		0.20		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Copper	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Lead	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Molybdenum	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Nickel	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Selenium	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Silver	ND		0.25		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Thallium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Vanadium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Zinc	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1

Lab Sample ID: LCS 720-221833/2-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	48.3		mg/Kg		97	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	49.5		mg/Kg		99	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	50.1		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	24.4		mg/Kg		98	80 - 120
Thallium	50.0	50.0		mg/Kg		100	80 - 120
Vanadium	50.0	48.9		mg/Kg		98	80 - 120
Zinc	50.0	48.8		mg/Kg		98	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-221815/1-A
Matrix: Solid
Analysis Batch: 221861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/25/17 09:41	04/25/17 13:41	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-221815/2-A
Matrix: Solid
Analysis Batch: 221861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.795		mg/Kg		95	80 - 120

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QC Association Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Metals

Prep Batch: 221815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79057-1	4950-T22-01	Total/NA	Solid	7471A	
720-79057-2	4950-T22-02	Total/NA	Solid	7471A	
720-79057-3	4950-T22-03	Total/NA	Solid	7471A	
MB 720-221815/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-221815/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Prep Batch: 221833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79057-1	4950-T22-01	Total/NA	Solid	3050B	
720-79057-2	4950-T22-02	Total/NA	Solid	3050B	
720-79057-3	4950-T22-03	Total/NA	Solid	3050B	
MB 720-221833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 221861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79057-1	4950-T22-01	Total/NA	Solid	7471A	221815
720-79057-2	4950-T22-02	Total/NA	Solid	7471A	221815
720-79057-3	4950-T22-03	Total/NA	Solid	7471A	221815
MB 720-221815/1-A	Method Blank	Total/NA	Solid	7471A	221815
LCS 720-221815/2-A	Lab Control Sample	Total/NA	Solid	7471A	221815

Analysis Batch: 222056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-221833/1-A	Method Blank	Total/NA	Solid	6010B	221833
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	6010B	221833

Analysis Batch: 222091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79057-1	4950-T22-01	Total/NA	Solid	6010B	221833
720-79057-2	4950-T22-02	Total/NA	Solid	6010B	221833
720-79057-3	4950-T22-03	Total/NA	Solid	6010B	221833

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Client Sample ID: 4950-T22-01

Date Collected: 04/21/17 08:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79057-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		20	222091	04/28/17 15:11	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		2	221861	04/25/17 15:15	OBI	TAL PLS

Client Sample ID: 4950-T22-02

Date Collected: 04/21/17 08:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79057-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		20	222091	04/28/17 15:16	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221861	04/25/17 14:18	OBI	TAL PLS

Client Sample ID: 4950-T22-03

Date Collected: 04/21/17 08:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79057-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		20	222091	04/28/17 16:06	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221861	04/25/17 14:20	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79057-1	4950-T22-01	Solid	04/21/17 08:00	04/21/17 12:35
720-79057-2	4950-T22-02	Solid	04/21/17 08:00	04/21/17 12:35
720-79057-3	4950-T22-03	Solid	04/21/17 08:00	04/21/17 12:35

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TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Regulatory Program: DW NPDES RCRA Other:

TestAmerica Laboratories, Inc.

Chain of Custody Record

720-79057

175468

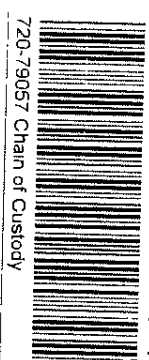
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Contact: Vista Environmental Consulting
2984 Teagarden Street
San Leandro, CA 94577
510-346-8860
888-296-0271
FORA - Stockade
Task 3 - 4950

Project Manager: Chris Burns
Tel/Fax: CALENDAR DAYS WORKING DAYS
Analysis Turnaround Time
TAT if different from Below
 2 weeks
 1 week
 2 days
 1 day

Site Contact: Lab Contact: Date: Carrier: COC No: 1 of 1 COCS
Sampler: For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No:

Sample Identification	Sample Date	Sample Time	Sample Type (G-Grain)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	CAM17 (6010B)	Mercury (7471A)	Sample Specific Notes:
4950-T22-01	4/21/2017	800	C	Solid	1			X*	X*	Interior Paint
4950-T22-02	4/21/2017	800	C	Solid	1			X	X	Exterior Paint
4950-T22-03	4/21/2017	800	C	Solid	1			X	X	Painted Wood, Roofing



Preservation Used: 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other 1
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample

Special Instructions/QC Requirements & Comments: Please email report to chrisburns@vista-env.com & mollie@vista-env.com
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal by Lab Archive for _____ Months

17,4°C

Custody Seals Intact: Yes No
Cooler Temp. (°C): Obs'd: _____ Cor'd: _____ Therm ID No.: _____

Relinquished by: *Christy Bohac* Company: *WESTA* Date/Time: *4/21/17 12:35* Received by: *[Signature]* Company: *VA* Date/Time: *4/21/17 12:35*

Relinquished by: _____ Company: _____ Date/Time: _____ Received in Laboratory by: _____ Company: _____ Date/Time: _____

Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79057-1

Login Number: 79057
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING


ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79057-2
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
5/30/2017 11:49:09 AM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Job ID: 720-79057-2

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79057-2**

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The continuing calibration blank (CCB) for analytical batch 720-223726 contained Pb above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Client Sample ID: 4950-T22-01

Lab Sample ID: 720-79057-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	19	^	0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4950-T22-02

Lab Sample ID: 720-79057-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	26	^	0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4950-T22-03

Lab Sample ID: 720-79057-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.2	^	0.050		mg/L	1		6010B	TCLP
Chromium	1.0		0.10		mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Client Sample ID: 4950-T22-01

Date Collected: 04/21/17 08:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79057-1

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	19	^	0.050		mg/L		05/25/17 10:30	05/26/17 10:45	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Client Sample ID: 4950-T22-02

Lab Sample ID: 720-79057-2

Date Collected: 04/21/17 08:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	26	^	0.050		mg/L		05/25/17 10:30	05/26/17 10:51	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Client Sample ID: 4950-T22-03

Date Collected: 04/21/17 08:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79057-3

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2	^	0.050		mg/L		05/25/17 10:30	05/26/17 10:56	1
Chromium	1.0		0.10		mg/L		05/25/17 10:30	05/26/17 10:56	1

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QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-223629/1-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/25/17 10:30	05/26/17 09:20	1
Chromium	ND		0.010		mg/L		05/25/17 10:30	05/26/17 09:20	1

Lab Sample ID: LCS 720-223629/2-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.963		mg/L		96	80 - 120
Chromium	1.00	0.979		mg/L		98	80 - 120

Lab Sample ID: LB 720-223507/1-B
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223629

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/25/17 10:30	05/26/17 09:31	1
Chromium	ND		0.10		mg/L		05/25/17 10:30	05/26/17 09:31	1

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Metals

Leach Batch: 223507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79057-1	4950-T22-01	TCLP	Solid	1311	
720-79057-2	4950-T22-02	TCLP	Solid	1311	
720-79057-3	4950-T22-03	TCLP	Solid	1311	
LB 720-223507/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 223629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79057-1	4950-T22-01	TCLP	Solid	3010A	223507
720-79057-2	4950-T22-02	TCLP	Solid	3010A	223507
720-79057-3	4950-T22-03	TCLP	Solid	3010A	223507
LB 720-223507/1-B	Method Blank	TCLP	Solid	3010A	223507
MB 720-223629/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 223726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79057-1	4950-T22-01	TCLP	Solid	6010B	223629
720-79057-2	4950-T22-02	TCLP	Solid	6010B	223629
720-79057-3	4950-T22-03	TCLP	Solid	6010B	223629
LB 720-223507/1-B	Method Blank	TCLP	Solid	6010B	223629
MB 720-223629/1-A	Method Blank	Total/NA	Solid	6010B	223629
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	6010B	223629

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Client Sample ID: 4950-T22-01

Date Collected: 04/21/17 08:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79057-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 10:45	BKR	TAL PLS

Client Sample ID: 4950-T22-02

Date Collected: 04/21/17 08:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79057-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 10:51	BKR	TAL PLS

Client Sample ID: 4950-T22-03

Date Collected: 04/21/17 08:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79057-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 10:56	BKR	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79057-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79057-1	4950-T22-01	Solid	04/21/17 08:00	04/21/17 12:35
720-79057-2	4950-T22-02	Solid	04/21/17 08:00	04/21/17 12:35
720-79057-3	4950-T22-03	Solid	04/21/17 08:00	04/21/17 12:35

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Sharma, Dimple

720-79057-2

From: Chris Burns <chrisburns@vista-env.com>
Sent: Thursday, May 18, 2017 9:51 AM
To: Mollie Rothman; Sharma, Dimple
Subject: Fwd: FORA
Attachments: TCLP and STLC Worksheet.xlsx; ATT00001.htm

Dimple,

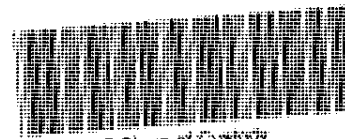
Please refer to the attached spreadsheet for the additional analysis we need run. Please let me know if you have any questions and confirm receipt of this request.

Thanks,
Christopher Burns
Vista Environmental Consulting
(925) 348-5361

Begin forwarded message:

From: "Mollie Rothman" <mollie@vista-env.com>
Date: May 18, 2017 at 9:35:25 AM PDT
To: <chrisburns@vista-env.com>
Subject: FORA

Mollie Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
mollie@vista-env.com



720-79057 Chain of Custody

Stockade Waste Profiles

BLDG	LAB REPORT	Sample No	Analyte	Analysis
4950	720-79057-1	4950-T22_01	Pb	TCLP
		4950-T22_02	Pb	TCLP
		4950-T22_03	Cr & Pb	TCLP
4951	720-79058-1	4951-T22_01	Pb & Hg	TCLP
		4951-T22_02	Pb	TCLP
		4951-T22_03	Pb	TCLP
4952	720-79056-1	4952-T22_01	Pb	TCLP
		4952-T22_02	Pb	TCLP
		4952-T22_03	Pb	TCLP
4953	720-79051-1	4953-T22_01	Pb	TCLP
		4953-T22_02	Pb	TCLP
		4953-T22_03	Nothing	Nothing
		4953-T22_04	Pb	TCLP & STLC
4954	720-79052-1	4954-T22_01	Pb	TCLP
		4954-T22_02	Cr & Pb	TCLP & STLC
4955	720-79053-1	4955-T22_01	Pb	TCLP & STLC
4956	720-79054-1	4956-T22_01	Pb	TCLP
		4956-T22_02	Cr & Pb	TCLP
4957	720-79055-1	4957-T22_01	Hg	TCLP
		4957-T22_02	Hg	TCLP & STLC



Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79057-2

Login Number: 79057
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

BUILDING 4951



The information contained in these appendices are not stand alone documents and should not be separated from this report. For specific regulatory requirements regarding these materials please refer to the information provided in the Main Report. Quantities and locations listed in the tables are order of magnitude estimates and are not to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, prior to bidding.

MBARD classifications are based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification. MBARD & Cal-OSHA classifications are based on the materials being >1% asbestos pending further analytical data that proves otherwise.

BUILDING 4951

HAZARDOUS MATERIALS SUMMARY

Asbestos

- *No asbestos was detected in the 12 samples collected and analyzed*

Lead-Based Paint and Materials

Reading No	Room	Side	Component	Substrate	Color	Condition	Pb	Units
12	Outside	South	Fascia	Metal	Tan	Deteriorated	2.1	mg/cm ²
13	Outside	South	Eave	Metal	Tan	Deteriorated	8.3	mg/cm ²
14	Outside	East	Wall	Concrete	Tan	Deteriorated	8	mg/cm ²
15	Outside	East	Window Sill	Concrete	Brown	Deteriorated	5.4	mg/cm ²
16	Outside	East	Window	Metal	Brown	Deteriorated	9.4	mg/cm ²
17	Outside	East	Door Frame	Metal	Brown	Deteriorated	5	mg/cm ²
19	1	North	Door	Wood	Brown	Deteriorated	3.8	mg/cm ²
20	1	North	Wall	Concrete	White	Deteriorated	4.1	mg/cm ²
21	1		Ceiling	Concrete	White	Intact	2.9	mg/cm ²

All remaining tested materials had lead concentrations in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1.

Other Hazardous Materials

MATERIAL	CONTAMINANT	ESTIMATED QUANTITY
Fluorescent Tubes (4' Length)	Universal Waste	20
Light Fixture Ballasts	Polychlorinated Biphenyls	10

BUILDING 4951
HAZARDOUS MATERIALS SUMMARY

Waste Characterization Estimate

Interior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	37	mg/kg	37	500	No	No	NA	NA
Barium	150	mg/kg	150	10,000	No	No	NA	NA
Cadmium	35	mg/kg	35	100	No	YES	NA	NA
Chromium	1600	mg/kg	1600	2,500	No	YES	NA	NA
Cobalt	100	mg/kg	100	8,000	No	No	NA	NA
Copper	32	mg/kg	32	2,500	No	No	NA	NA
Lead	12000	mg/kg	12000	1,000	YES	No	6.2	YES
Vanadium	7.3	mg/kg	7.3	2,400	No	No	NA	NA
Zinc	4000	mg/kg	4000	5,000	No	YES	NA	NA
Mercury	21	mg/kg	21	20	YES	No	NA	NA

Exterior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Arsenic	120	mg/kg	120	500	No	YES	NA	NA
Barium	150	mg/kg	150	10,000	No	No	NA	NA
Cadmium	4.2	mg/kg	4.2	100	No	No	NA	NA
Chromium	2100	mg/kg	2100	2,500	No	YES	NA	NA
Cobalt	140	mg/kg	140	8,000	No	No	NA	NA
Lead	25000	mg/kg	25000	1,000	YES	No	140	YES
Molybdenum	20	mg/kg	20	3,500	No	NA	NA	NA
Vanadium	16	mg/kg	16	2,400	No	No	NA	NA
Zinc	32000	mg/kg	32000	5,000	YES	No	NA	NA
Mercury	3.9	mg/kg	3.9	20	No	YES	NA	NA

BUILDING 4951 HAZARDOUS MATERIALS SUMMARY

Other (Painted CMU, Painted Wood & Roofing)

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	340	mg/kg	340	500	No	YES	NA	NA
Arsenic	5.8	mg/kg	5.8	500	No	No	NA	NA
Barium	260	mg/kg	260	10,000	No	No	NA	NA
Cadmium	19	mg/kg	19	100	No	YES	NA	NA
Chromium	2000	mg/kg	2000	2,500	No	YES	NA	NA
Cobalt	45	mg/kg	45	8,000	No	No	NA	NA
Copper	43	mg/kg	43	2,500	No	No	NA	NA
Lead	14000	mg/kg	14000	1,000	YES	No	18	YES
Molybdenum	3.2	mg/kg	3.2	3,500	No	NA	NA	NA
Nickel	22	mg/kg	22	2,000	No	No	NA	NA
Vanadium	34	mg/kg	34	2,400	No	No	NA	NA
Zinc	3900	mg/kg	3900	5,000	No	YES	NA	NA
Mercury	0.26	mg/kg	0.26	20	No	No	NA	NA

Shaded sample results were below the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCL level. However, Soluble Threshold Limit Concentration (STLC) testing and analysis would be needed to see if it is a California Hazardous Waste, and Toxicity Characteristic Leaching Procedure (TCLP) testing and analysis would be needed to determine if it is a Federal RCRA Hazardous Waste.



Bolded sample results were above the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCL and or STLC level and would be considered a California Hazardous Waste. TCLP testing and analysis may be needed to determine if it is a Federal RCRA Hazardous Waste.

Shaded and Bolded sample results are considered a Federal RCRA Hazardous Waste.

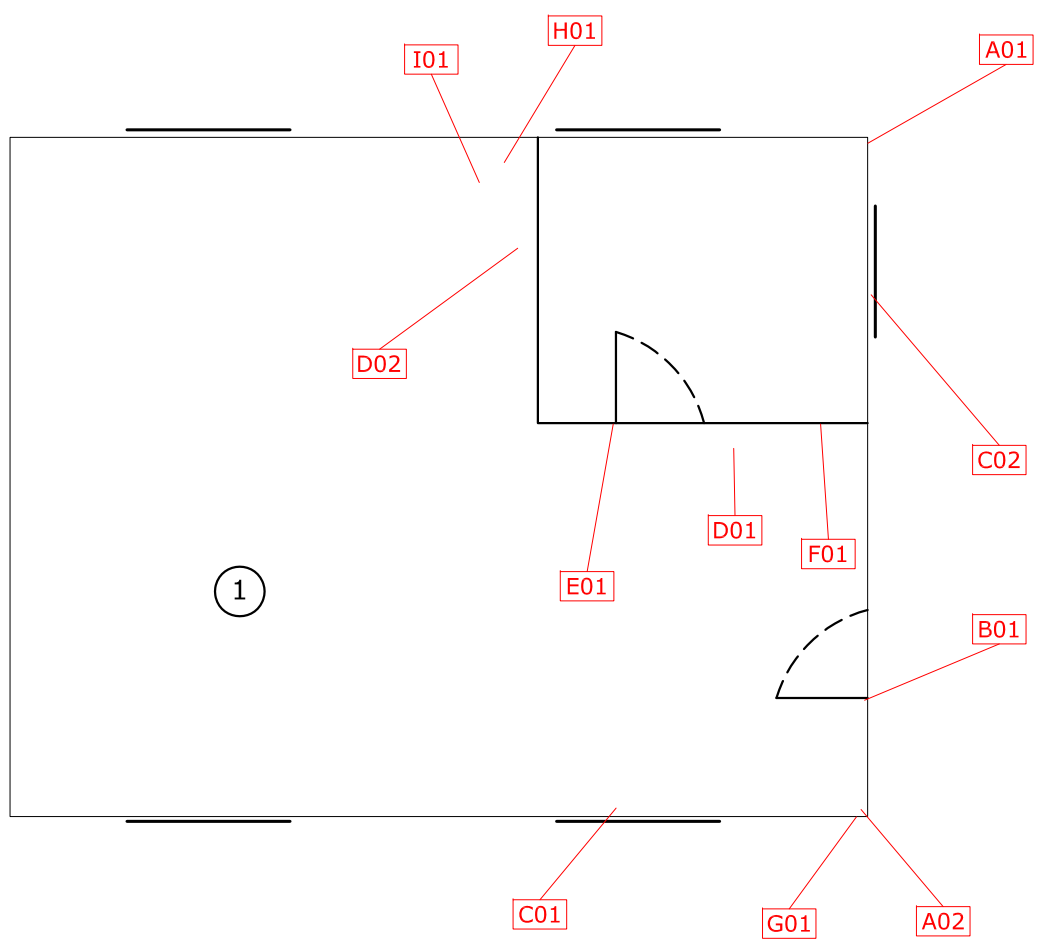
Tested metals not listed were below the reporting limit, which represents the lowest amount of analyte that the laboratory can confidently detect in the sample.

**BUILDING 4951
ASBESTOS SAMPLING INVENTORY**

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Paint/Concrete Masonry Unit/Mortar	Beige/Gray/Gray	2
B	Sealant	Gray & Tan, Window & Door Frames	1
C	Putty	Gray, Window	2
D	Vinyl Floor Tile/Mastic	12" Beige/Black	2
E	Sealant	White, Doorframe, Interior	1
F	Basecove/Mastic	4" Beige/Brown	1
G	Concrete	Gray, Foundation	1
H	Roofing	Black, Tar & Gravel	1
I	Mastic	Gray & Black, Roof	1

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-XRF ROOM NUMBERS

NOTE: NO ASBESTOS-CONTAINING MATERIALS.



VISTA ENVIRONMENTAL
CONSULTING
www.vista-env.com
2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577
510-346-8860

PROJECT TITLE
FORA
STOCKADE COMPLEX

SHEET TITLE
4951
ASBESTOS-CONTAINING MATERIALS
AND SAMPLE LOCATIONS

SCALE:
DRAWN BY: ADF
CHECKED BY: CB
PROJECT No.
DATE: 05/01/17
DRAWING No.

FIGURE
1

BUILDING 4951
PHOTO DOCUMENTATION





Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B236886
Date Received: 03/28/17
Date Analyzed: 03/30/17
Date Printed: 03/30/17
First Reported: 03/30/17

Job ID/Site: 17191001 - FORA, Stockdale Bldg. #4951

FALI Job ID: L1161
Total Samples Submitted: 12
Total Samples Analyzed: 12

Date(s) Collected: 03/27/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4951-A-01	11873086						
Layer: Beige Mortar			ND				
Layer: Beige Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-A-02	11873087						
Layer: Beige Mortar			ND				
Layer: Beige Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-B-01	11873088						
Layer: Grey Non-Fibrous Material			ND				
Layer: Tan Non-Fibrous Material			ND				
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-C-01	11873089						
Layer: Off-White Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-C-02	11873090						
Layer: Off-White Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-D-01	11873091						
Layer: Beige Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Vista Environmental Consultants

Report Number: B236886

Date Printed: 03/30/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4951-D-02	11873092						
Layer: Beige Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-E-01	11873093						
Layer: Off-White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-F-01	11873094						
Layer: Beige Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-G-01	11873095						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4951-H-01	11873096						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (25 %)						
4951-I-01	11873097						
Layer: Grey Non-Fibrous Material			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (25 %)							



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Client Name: Vista Environmental Consultants

Report Number: B236886

Date Printed: 03/30/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
-----------	------------	------------------	---------------------	------------------	---------------------	------------------	---------------------

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/27/17

LOCATION: Stockade Bldg# 4951

PROJECT NUMBER: 17191001

SAMPLED BY: CHRIS BURNS

CAC OR SST No: 92-0224

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4951	A	01	PAINT/CMU/MORTAR	Beige/Gray/Gray		
4951	A	02	↓	↓		
4951	B	01	Sealant	Gray & Tan, Door & Window Frame		
4951	C	01	Petty	Gray, Window		
4951	C	02	↓	↓		
4951	D	01	VFT/mas	12" Beige/Black		
4951	D	02	↓	↓		
4951	E	01	Sealant	White, Door Frame, MET		
4951	F	01	BC/m	4" Beige/Brown		
4951	G	01	Concrete	Gray, Foundation		

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS:

CHAIN OF CUSTODY:

1.  TRANSFER SIGNATURE Chris Elliott PRINTED NAME 3/28/17 1339 DATE/TIME

2.  TRANSFER SIGNATURE C Moreno PRINTED NAME 4pm d/o DATE/TIME

3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME





VISTA ENVIRONMENTAL CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/27/17

LOCATION: Stockade Bldg# 4951

PROJECT NUMBER: 17191001

SAMPLED BY: CB

CAC OR SST NO: 92-0024

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4951	H	01	Roofing	Black, Tar & Gravel		
4951	I	01	Mastic	Gray & Black, Roof		
/						
12 samples						
/						
/						
/						
/						
/						
/						
/						
/						

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: _____

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE Chris Elliott PRINTED NAME 3/29/17 1339 DATE/TIME

2. [Signature] TRANSFER SIGNATURE cmoreno PRINTED NAME 4pm d/o DATE/TIME

3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME



**FORA
4951
XRF Sequential Report**

Reading No	Building	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
12	4951	OUTSIDE	SOUTH	FASCIA	METAL	TAN	DETERIORATED	Positive	2.1	mg / cm ^2
13	4951	OUTSIDE	SOUTH	EAVE	METAL	TAN	DETERIORATED	Positive	8.3	mg / cm ^2
14	4951	OUTSIDE	EAST	WALL	CONCRETE	TAN	DETERIORATED	Positive	8	mg / cm ^2
15	4951	OUTSIDE	EAST	WINDOW SILL	CONCRETE	BROWN	DETERIORATED	Positive	5.4	mg / cm ^2
16	4951	OUTSIDE	EAST	WINDOW	METAL	BROWN	DETERIORATED	Positive	9.4	mg / cm ^2
17	4951	OUTSIDE	EAST	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	5	mg / cm ^2
18	4951	1	EAST	DOOR	WOOD	WHITE	DETERIORATED	Negative	0.04	mg / cm ^2
19	4951	1	NORTH	DOOR	WOOD	BROWN	DETERIORATED	Positive	3.8	mg / cm ^2
20	4951	1	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.1	mg / cm ^2
21	4951	1		CEILING	CONCRETE	WHITE	INTACT	Positive	2.9	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

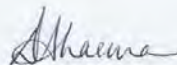
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79058-1
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/28/2017 5:30:10 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Qualifiers

Metals

Qualifier

Qualifier Description

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Job ID: 720-79058-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-79058-1

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The following sample was diluted to bring the concentration of target analytes Pb, Zn within the calibration range: 4951-T22-01 (720-79058-1) and 4951-T22-02 (720-79058-2). Elevated reporting limits (RLs) are provided.

Method 6010B: The continuing calibration blank (CCB) for analytical batch 720-222091 contained Pb above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method 6010B: The following sample was diluted to bring the concentration of target analyte Pb within the calibration range: 4951-T22-03 (720-79058-3). Elevated reporting limits (RLs) are provided.

Method 6010B: The continuing calibration blank (CCB) for analytical batch 720-222092 contained Pb above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Client Sample ID: 4951-T22-01

Lab Sample ID: 720-79058-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	37		6.7		mg/Kg	20		6010B	Total/NA
Barium	150		6.7		mg/Kg	20		6010B	Total/NA
Cadmium	35		1.7		mg/Kg	20		6010B	Total/NA
Chromium	1600		6.7		mg/Kg	20		6010B	Total/NA
Cobalt	100		2.7		mg/Kg	20		6010B	Total/NA
Copper	32		20		mg/Kg	20		6010B	Total/NA
Lead	12000	^	6.7		mg/Kg	20		6010B	Total/NA
Vanadium	7.3		6.7		mg/Kg	20		6010B	Total/NA
Zinc	4000		20		mg/Kg	20		6010B	Total/NA
Mercury	21		0.17		mg/Kg	20		7471A	Total/NA

Client Sample ID: 4951-T22-02

Lab Sample ID: 720-79058-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	120		27		mg/Kg	50		6010B	Total/NA
Barium	150		14		mg/Kg	50		6010B	Total/NA
Cadmium	4.2		3.4		mg/Kg	50		6010B	Total/NA
Chromium	2100		14		mg/Kg	50		6010B	Total/NA
Cobalt	140		5.4		mg/Kg	50		6010B	Total/NA
Lead	25000	^	14		mg/Kg	50		6010B	Total/NA
Molybdenum	20		14		mg/Kg	50		6010B	Total/NA
Vanadium	16		14		mg/Kg	50		6010B	Total/NA
Zinc	32000		41		mg/Kg	50		6010B	Total/NA
Mercury	3.9		0.18		mg/Kg	20		7471A	Total/NA

Client Sample ID: 4951-T22-03

Lab Sample ID: 720-79058-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	340		2.0		mg/Kg	4		6010B	Total/NA
Arsenic	5.8		3.9		mg/Kg	4		6010B	Total/NA
Barium	260		2.0		mg/Kg	4		6010B	Total/NA
Cadmium	19		0.49		mg/Kg	4		6010B	Total/NA
Chromium	2000		2.0		mg/Kg	4		6010B	Total/NA
Cobalt	45		0.78		mg/Kg	4		6010B	Total/NA
Copper	43		5.9		mg/Kg	4		6010B	Total/NA
Lead	14000	^	4.9		mg/Kg	10		6010B	Total/NA
Molybdenum	3.2		2.0		mg/Kg	4		6010B	Total/NA
Nickel	22		2.0		mg/Kg	4		6010B	Total/NA
Vanadium	34		2.0		mg/Kg	4		6010B	Total/NA
Zinc	3900		5.9		mg/Kg	4		6010B	Total/NA
Mercury	0.26		0.0086		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Client Sample ID: 4951-T22-01

Lab Sample ID: 720-79058-1

Date Collected: 04/21/17 07:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	37		6.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Arsenic	ND		13		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Barium	150		6.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Beryllium	ND		1.3		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Cadmium	35		1.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Chromium	1600		6.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Cobalt	100		2.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Copper	32		20		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Lead	12000	^	6.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Molybdenum	ND		6.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Nickel	ND		6.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Selenium	ND		13		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Silver	ND		3.4		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Thallium	ND		6.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Vanadium	7.3		6.7		mg/Kg		04/25/17 19:34	04/28/17 16:11	20
Zinc	4000		20		mg/Kg		04/25/17 19:34	04/28/17 16:11	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	21		0.17		mg/Kg		04/25/17 09:41	04/25/17 16:32	20

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Client Sample ID: 4951-T22-02

Lab Sample ID: 720-79058-2

Date Collected: 04/21/17 07:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		14		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Arsenic	120		27		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Barium	150		14		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Beryllium	ND		2.7		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Cadmium	4.2		3.4		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Chromium	2100		14		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Cobalt	140		5.4		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Copper	ND		41		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Lead	25000	^	14		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Molybdenum	20		14		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Nickel	ND		14		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Selenium	ND		27		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Silver	ND		6.8		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Thallium	ND		14		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Vanadium	16		14		mg/Kg		04/25/17 19:34	04/28/17 16:17	50
Zinc	32000		41		mg/Kg		04/25/17 19:34	04/28/17 16:17	50

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	3.9		0.18		mg/Kg		04/25/17 09:41	04/25/17 16:34	20

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Client Sample ID: 4951-T22-03

Lab Sample ID: 720-79058-3

Date Collected: 04/21/17 07:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	340		2.0		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Arsenic	5.8		3.9		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Barium	260		2.0		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Beryllium	ND		0.39		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Cadmium	19		0.49		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Chromium	2000		2.0		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Cobalt	45		0.78		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Copper	43		5.9		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Lead	14000	^	4.9		mg/Kg		04/27/17 09:46	04/28/17 16:22	10
Molybdenum	3.2		2.0		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Nickel	22		2.0		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Selenium	ND		3.9		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Silver	ND		0.98		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Thallium	ND		2.0		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Vanadium	34		2.0		mg/Kg		04/27/17 09:46	04/27/17 20:45	4
Zinc	3900		5.9		mg/Kg		04/27/17 09:46	04/27/17 20:45	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.26		0.0086		mg/Kg		04/25/17 09:41	04/25/17 14:26	1

QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-221833/1-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Arsenic	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Barium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Beryllium	ND		0.10		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cadmium	ND		0.13		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Chromium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cobalt	ND		0.20		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Copper	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Lead	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Molybdenum	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Nickel	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Selenium	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Silver	ND		0.25		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Thallium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Vanadium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Zinc	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1

Lab Sample ID: LCS 720-221833/2-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	48.3		mg/Kg		97	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	49.5		mg/Kg		99	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	50.1		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	24.4		mg/Kg		98	80 - 120
Thallium	50.0	50.0		mg/Kg		100	80 - 120
Vanadium	50.0	48.9		mg/Kg		98	80 - 120
Zinc	50.0	48.8		mg/Kg		98	80 - 120

Lab Sample ID: MB 720-221843/1-A
Matrix: Solid
Analysis Batch: 222065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Arsenic	ND		1.0		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Barium	ND		0.50		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Beryllium	ND		0.10		mg/Kg		04/27/17 09:46	04/27/17 19:44	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-221843/1-A
Matrix: Solid
Analysis Batch: 222065

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221843

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.13		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Chromium	ND		0.50		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Cobalt	ND		0.20		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Copper	ND		1.5		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Lead	ND		0.50		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Molybdenum	ND		0.50		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Nickel	ND		0.50		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Selenium	ND		1.0		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Silver	ND		0.25		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Thallium	ND		0.50		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Vanadium	ND		0.50		mg/Kg		04/27/17 09:46	04/27/17 19:44	1
Zinc	ND		1.5		mg/Kg		04/27/17 09:46	04/27/17 19:44	1

Lab Sample ID: LCS 720-221843/2-A
Matrix: Solid
Analysis Batch: 222065

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221843

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	46.6		mg/Kg		93	80 - 120
Arsenic	50.0	47.4		mg/Kg		95	80 - 120
Barium	50.0	49.2		mg/Kg		98	80 - 120
Beryllium	50.0	49.2		mg/Kg		98	80 - 120
Cadmium	50.0	48.0		mg/Kg		96	80 - 120
Chromium	50.0	49.1		mg/Kg		98	80 - 120
Cobalt	50.0	49.1		mg/Kg		98	80 - 120
Copper	50.0	49.3		mg/Kg		99	80 - 120
Lead	50.0	48.8		mg/Kg		98	80 - 120
Molybdenum	50.0	48.7		mg/Kg		97	80 - 120
Nickel	50.0	49.0		mg/Kg		98	80 - 120
Selenium	50.0	46.1		mg/Kg		92	80 - 120
Silver	25.0	24.0		mg/Kg		96	80 - 120
Thallium	50.0	48.7		mg/Kg		97	80 - 120
Vanadium	50.0	48.3		mg/Kg		97	80 - 120
Zinc	50.0	47.9		mg/Kg		96	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-221815/1-A
Matrix: Solid
Analysis Batch: 221861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/25/17 09:41	04/25/17 13:41	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-221815/2-A

Matrix: Solid

Analysis Batch: 221861

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 221815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.795		mg/Kg		95	80 - 120

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QC Association Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Metals

Prep Batch: 221815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	Total/NA	Solid	7471A	
720-79058-2	4951-T22-02	Total/NA	Solid	7471A	
720-79058-3	4951-T22-03	Total/NA	Solid	7471A	
MB 720-221815/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-221815/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Prep Batch: 221833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	Total/NA	Solid	3050B	
720-79058-2	4951-T22-02	Total/NA	Solid	3050B	
MB 720-221833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 221843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-3	4951-T22-03	Total/NA	Solid	3050B	
MB 720-221843/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221843/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 221861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	Total/NA	Solid	7471A	221815
720-79058-2	4951-T22-02	Total/NA	Solid	7471A	221815
720-79058-3	4951-T22-03	Total/NA	Solid	7471A	221815
MB 720-221815/1-A	Method Blank	Total/NA	Solid	7471A	221815
LCS 720-221815/2-A	Lab Control Sample	Total/NA	Solid	7471A	221815

Analysis Batch: 222056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-221833/1-A	Method Blank	Total/NA	Solid	6010B	221833
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	6010B	221833

Analysis Batch: 222065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-3	4951-T22-03	Total/NA	Solid	6010B	221843
MB 720-221843/1-A	Method Blank	Total/NA	Solid	6010B	221843
LCS 720-221843/2-A	Lab Control Sample	Total/NA	Solid	6010B	221843

Analysis Batch: 222091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	Total/NA	Solid	6010B	221833
720-79058-2	4951-T22-02	Total/NA	Solid	6010B	221833

Analysis Batch: 222092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-3	4951-T22-03	Total/NA	Solid	6010B	221843

TestAmerica Pleasanton

Lab Chronicle

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Client Sample ID: 4951-T22-01

Lab Sample ID: 720-79058-1

Date Collected: 04/21/17 07:00

Matrix: Solid

Date Received: 04/21/17 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		20	222091	04/28/17 16:11	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		20	221861	04/25/17 16:32	OBI	TAL PLS

Client Sample ID: 4951-T22-02

Lab Sample ID: 720-79058-2

Date Collected: 04/21/17 07:00

Matrix: Solid

Date Received: 04/21/17 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		50	222091	04/28/17 16:17	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		20	221861	04/25/17 16:34	OBI	TAL PLS

Client Sample ID: 4951-T22-03

Lab Sample ID: 720-79058-3

Date Collected: 04/21/17 07:00

Matrix: Solid

Date Received: 04/21/17 12:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221843	04/27/17 09:46	JNG	TAL PLS
Total/NA	Analysis	6010B		4	222065	04/27/17 20:45	CAM	TAL PLS
Total/NA	Prep	3050B			221843	04/27/17 09:46	JNG	TAL PLS
Total/NA	Analysis	6010B		10	222092	04/28/17 16:22	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221861	04/25/17 14:26	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79058-1	4951-T22-01	Solid	04/21/17 07:00	04/21/17 12:35
720-79058-2	4951-T22-02	Solid	04/21/17 07:00	04/21/17 12:35
720-79058-3	4951-T22-03	Solid	04/21/17 07:00	04/21/17 12:35

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TestAmerica Pleasanton
 1220 Quarry Lane
 Pleasanton, CA 94566
 phone 925 484 1919 fax 925 600 3002

Chain of Custody Record

720-79058

175469

Client Contact
 Vista Environmental Consulting
 2964 Teagarden Street
 San Leandro, CA 94577
 510-346-8860
 888-296-0271 FAX
 FORA - Stockade
 Task 3 - 4951

Project Manager: Chris Burns
 Analysis Turnaround Time
 CALENDAR DAYS
 WORKING DAYS
 TAT if different from Below
 2 weeks
 1 week
 2 days
 1 day

TestAmerica
 THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

Regulatory Program: DW NPDES RCRA Other

Site Contact: _____ Date: _____

Carrier: _____

COC No. 1 of 1 COCs

Sampler: _____

For Lab Use Only:
 Walk-in Client: _____
 Lab Sampling: _____
 Job / SDG No.: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grnd)	Matrix	# of Cont.	Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		Date	Carrier	COC No.
						Y	N	Y	N			
4951-T22-01	4/21/2017	700	C	Solid	1			X	X			
4951-T22-02	4/21/2017	700	C	Solid	1			X	X			
4951-T22-03	4/22/2017	700	C	Solid	1			X	X			



720-79058 Chain of Custody

Sample Specific Notes
 Interior Paint
 Exterior Paint
 Paint/CMU, \$
 Parterway,
 Roofing

Preservation Used: 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other 1

Possible Hazard Identification:
 Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
 Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: Please email report to christburns@vista-env.com & mollie@vista-env.com

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Cooler Temp. (°C): Obs'd: _____

Therm ID No. 17147

Custody Seals Intact: Yes No

Relinquished by: *Christy Rocha* Company: *VISTA* Date/Time: *4/21/17* Received by: *[Signature]* Date/Time: *4/21/17* 1235

Relinquished by: _____ Company: _____ Date/Time: _____ Received in Laboratory by: _____ Company: _____ Date/Time: _____

Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79058-1

Login Number: 79058

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Arauz, Dennis

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79058-2
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
6/12/2017 2:55:59 PM

Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Job ID: 720-79058-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-79058-2

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method(s) 6010B: The continuing calibration blank (CCB) for analytical batch 720-223726 contained Pb above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

Method(s) 7470A: The following sample was analyzed outside of analytical holding time upon client request: 4951-T22-01 (720-79058-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Client Sample ID: 4951-T22-01

Lab Sample ID: 720-79058-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.2	^	0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4951-T22-02

Lab Sample ID: 720-79058-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	140	^	0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4951-T22-03

Lab Sample ID: 720-79058-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	18		0.050		mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Client Sample ID: 4951-T22-01

Lab Sample ID: 720-79058-1

Date Collected: 04/21/17 07:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	6.2	^	0.050		mg/L		05/25/17 10:30	05/26/17 11:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.0020		mg/L		05/26/17 08:43	05/26/17 14:38	1

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Client Sample ID: 4951-T22-02

Lab Sample ID: 720-79058-2

Date Collected: 04/21/17 07:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	140	^	0.050		mg/L		05/25/17 10:30	05/26/17 11:07	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Client Sample ID: 4951-T22-03

Date Collected: 04/21/17 07:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79058-3

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	18		0.050		mg/L		05/31/17 10:02	05/31/17 23:41	1

- 1
- 2
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- 13
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QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-223629/1-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/25/17 10:30	05/26/17 09:20	1

Lab Sample ID: LCS 720-223629/2-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.963		mg/L		96	80 - 120

Lab Sample ID: MB 720-223889/1-A
Matrix: Solid
Analysis Batch: 223965

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223889

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/31/17 10:02	05/31/17 18:27	1

Lab Sample ID: LCS 720-223889/2-A
Matrix: Solid
Analysis Batch: 223965

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223889

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.989		mg/L		99	80 - 120

Lab Sample ID: LB 720-223507/1-B
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223629

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/25/17 10:30	05/26/17 09:31	1

Lab Sample ID: LB 720-223805/1-B
Matrix: Solid
Analysis Batch: 223965

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223889

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/31/17 10:02	05/31/17 18:31	1

Lab Sample ID: LB 720-223805/22-B
Matrix: Solid
Analysis Batch: 223972

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223889

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/31/17 10:02	05/31/17 23:30	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 720-223677/1-A
 Matrix: Solid
 Analysis Batch: 223754

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 223677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		05/26/17 08:43	05/26/17 14:04	1

Lab Sample ID: LCS 720-223677/2-A
 Matrix: Solid
 Analysis Batch: 223754

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 223677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.0100	0.00976		mg/L		98	80 - 120

Lab Sample ID: LB 720-223507/1-C
 Matrix: Solid
 Analysis Batch: 223754

Client Sample ID: Method Blank
 Prep Type: TCLP
 Prep Batch: 223677

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		05/26/17 08:43	05/26/17 14:22	1

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Metals

Leach Batch: 223507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	TCLP	Solid	1311	
720-79058-2	4951-T22-02	TCLP	Solid	1311	
LB 720-223507/1-B	Method Blank	TCLP	Solid	1311	
LB 720-223507/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 223629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	TCLP	Solid	3010A	223507
720-79058-2	4951-T22-02	TCLP	Solid	3010A	223507
LB 720-223507/1-B	Method Blank	TCLP	Solid	3010A	223507
MB 720-223629/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 223677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	TCLP	Solid	7470A	223507
LB 720-223507/1-C	Method Blank	TCLP	Solid	7470A	223507
MB 720-223677/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 720-223677/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 223726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	TCLP	Solid	6010B	223629
720-79058-2	4951-T22-02	TCLP	Solid	6010B	223629
LB 720-223507/1-B	Method Blank	TCLP	Solid	6010B	223629
MB 720-223629/1-A	Method Blank	Total/NA	Solid	6010B	223629
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	6010B	223629

Analysis Batch: 223754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-1	4951-T22-01	TCLP	Solid	7470A	223677
LB 720-223507/1-C	Method Blank	TCLP	Solid	7470A	223677
MB 720-223677/1-A	Method Blank	Total/NA	Solid	7470A	223677
LCS 720-223677/2-A	Lab Control Sample	Total/NA	Solid	7470A	223677

Leach Batch: 223805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-3	4951-T22-03	TCLP	Solid	1311	
LB 720-223805/1-B	Method Blank	TCLP	Solid	1311	
LB 720-223805/22-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 223889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-3	4951-T22-03	TCLP	Solid	3010A	223805
LB 720-223805/1-B	Method Blank	TCLP	Solid	3010A	223805
LB 720-223805/22-B	Method Blank	TCLP	Solid	3010A	223805
MB 720-223889/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223889/2-A	Lab Control Sample	Total/NA	Solid	3010A	

TestAmerica Pleasanton

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Metals (Continued)

Analysis Batch: 223965

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB 720-223805/1-B	Method Blank	TCLP	Solid	6010B	223889
MB 720-223889/1-A	Method Blank	Total/NA	Solid	6010B	223889
LCS 720-223889/2-A	Lab Control Sample	Total/NA	Solid	6010B	223889

Analysis Batch: 223972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79058-3	4951-T22-03	TCLP	Solid	6010B	223889
LB 720-223805/22-B	Method Blank	TCLP	Solid	6010B	223889



Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Client Sample ID: 4951-T22-01

Date Collected: 04/21/17 07:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79058-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 11:01	BKR	TAL PLS
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	7470A			223677	05/26/17 08:43	JNG	TAL PLS
TCLP	Analysis	7470A		1	223754	05/26/17 14:38	OBI	TAL PLS

Client Sample ID: 4951-T22-02

Date Collected: 04/21/17 07:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79058-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 11:07	BKR	TAL PLS

Client Sample ID: 4951-T22-03

Date Collected: 04/21/17 07:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79058-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223805	05/30/17 16:50	JNG	TAL PLS
TCLP	Prep	3010A			223889	05/31/17 10:02	JNG	TAL PLS
TCLP	Analysis	6010B		1	223972	05/31/17 23:41	CAM	TAL PLS

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7470A	Mercury (CVAA)	SW846	TAL PLS
Crush & Grind	General Sub Contract Method	NONE	

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79058-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79058-1	4951-T22-01	Solid	04/21/17 07:00	04/21/17 12:35
720-79058-2	4951-T22-02	Solid	04/21/17 07:00	04/21/17 12:35
720-79058-3	4951-T22-03	Solid	04/21/17 07:00	04/21/17 12:35

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720-79058-2

Sharma, Dimple

From: Chris Burns <chrisburns@vista-env.com>
Sent: Thursday, May 18, 2017 9:51 AM
To: Molli Rothman; Sharma, Dimple
Subject: Fwd: FORA
Attachments: TCLP and STLC Worksheet.xlsx; ATT00001.htm

Dimple,
Please refer to the attached spreadsheet for the additional analysis we need run. Please let me know if you have any questions and confirm receipt of this request.

Thanks,
Christopher Burns
Vista Environmental Consulting
(925) 348-5361

Begin forwarded message:

From: "Molli Rothman" <molli@vista-env.com>
Date: May 18, 2017 at 9:35:25 AM PDT
To: <chrisburns@vista-env.com>
Subject: FORA



720-79058 Chain of Custody

Molli Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
molli@vista-env.com

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Stockade Waste Profiles

BLDG	LAB REPORT	Sample No	Analyte	Analysis
4950	720-79057-1	4950-T22_01	Pb	TCLP
		4950-T22_02	Pb	TCLP
		4950-T22_03	Cr & Pb	TCLP
4951	720-79058-1	4951-T22_01	Pb & Hg	TCLP
		4951-T22_02	Pb	TCLP
		4951-T22_03	Pb	TCLP
4952	720-79056-1	4952-T22_01	Pb	TCLP
		4952-T22_02	Pb	TCLP
4953	720-79051-1	4953-T22_01	Pb	TCLP
		4953-T22_02	Pb	TCLP
		4953-T22_03	Nothing	Nothing
		4953-T22_04	Pb	TCLP & STLC
4954	720-79052-1	4954-T22_01	Pb	TCLP
		4954-T22_02	Cr & Pb	TCLP & STLC
4955	720-79053-1	4955-T22_01	Pb	TCLP & STLC
4956	720-79054-1	4956-T22_01	Pb	TCLP
		4956-T22_02	Cr & Pb	TCLP
4957	720-79055-1	4957-T22_01	Hg	TCLP
		4957-T22_02	Hg	TCLP & STLC

Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79058-2

Login Number: 79058
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



BUILDING 4952



The information contained in these appendices are not stand alone documents and should not be separated from this report. For specific regulatory requirements regarding these materials please refer to the information provided in the Main Report. Quantities and locations listed in the tables are order of magnitude estimates and are not to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, prior to bidding.

MBARD classifications are based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification. MBARD & Cal-OSHA classifications are based on the materials being >1% asbestos pending further analytical data that proves otherwise.

BUILDING 4952

HAZARDOUS MATERIALS SUMMARY

Asbestos

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
A	Cement Panel	Gray, Interior & Exterior	Interior and Exterior	Class II	Category II-Non-Friable	300 SF
B	Mastic	Gray & Black, Roof	Roof	Class II	Category I - Non-Friable	5 SF
E	Sealant	Gray, Louver, Window Frame, Hard	Louver and Window Frames	Class II	Category I - Non-Friable	12 SF (144 LF)
H	Gasket	Red & White, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
I	Insulation	White, Wire, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
L	Heat Shield	White, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
M	Insulator	White & Black, Spotlight	Spotlight	Class II	Category II-Non-Friable	1 SF

Lead-Based Paint and Materials

Reading No	Room	Component	Substrate	Color	Condition	Pb	Units
17	Outside	Wall	Concrete	Beige	Deteriorated	4	mg/cm ²
18	Outside	Column	Metal	Beige	Deteriorated	4.4	mg/cm ²
19	Outside	Window Casing	Metal	Beige	Deteriorated	1.9	mg/cm ²
20	Outside	Door	Metal	Beige	Deteriorated	3.2	mg/cm ²
21	Outside	Door Frame	Metal	Green	Deteriorated	5	mg/cm ²
23	Outside	Hand Rail	Metal	Green	Deteriorated	4.8	mg/cm ²
24	Outside	Fascia	Metal	Green	Deteriorated	10.1	mg/cm ²



All remaining tested materials had lead concentrations in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1.

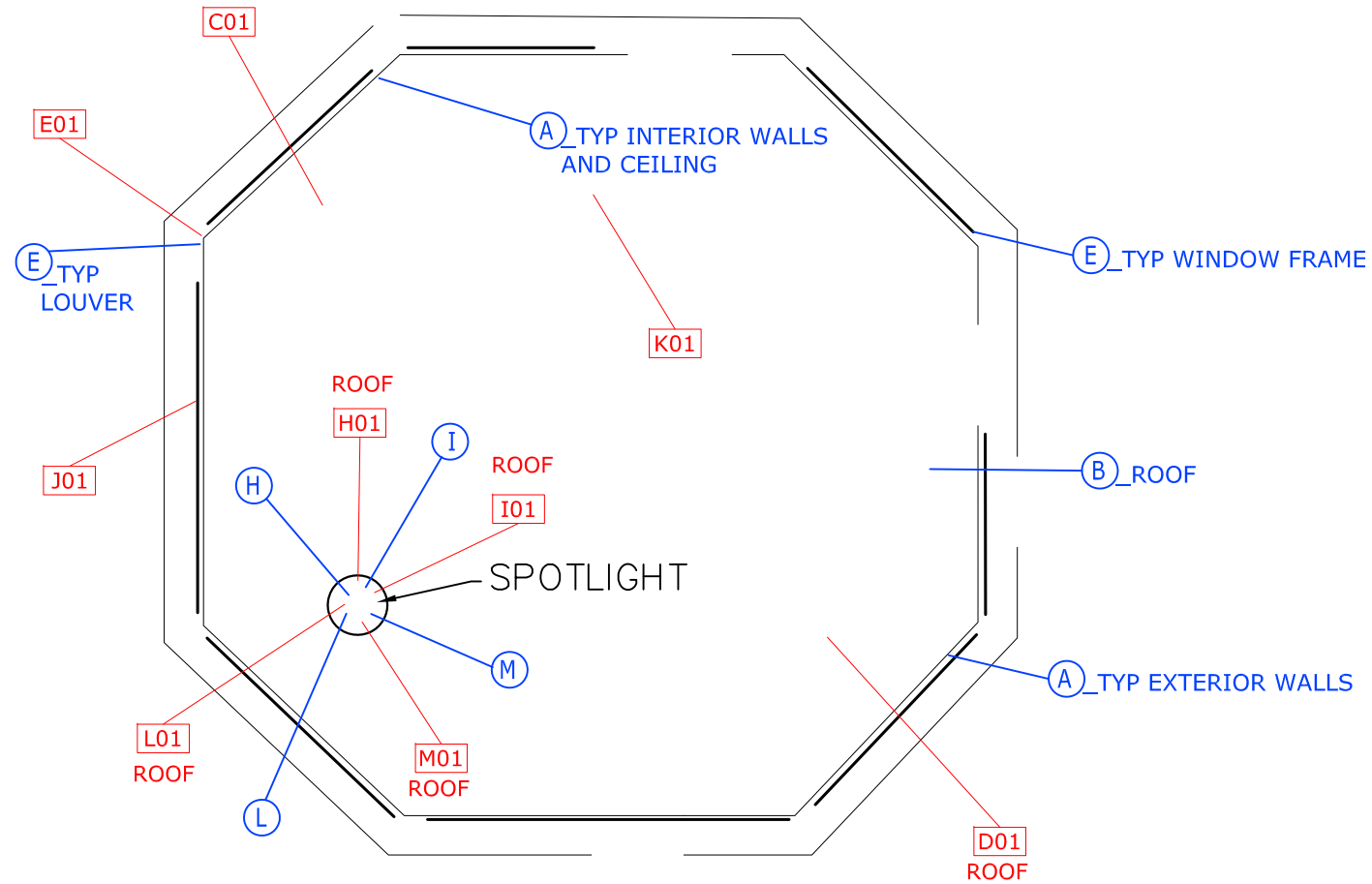
Other Hazardous Materials

- No other hazardous materials were identified in this building.

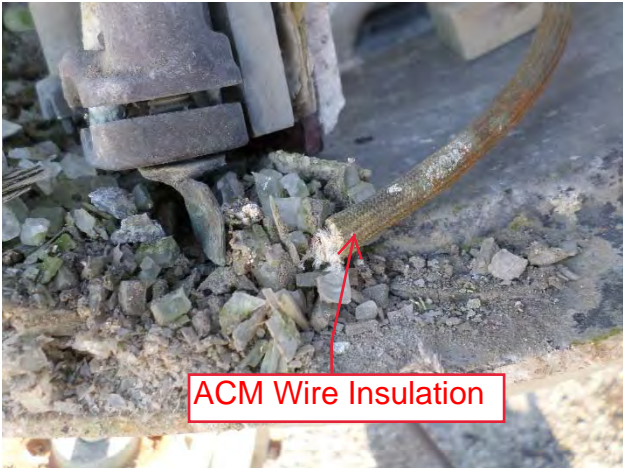
**BUILDING 4952
ASBESTOS SAMPLING INVENTORY**

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Cement Panel	Gray, Interior & Exterior	Positive
B	Mastic	Gray & Black, Roof	Positive
C	Concrete	Gray	1
D	Roofing	Black, Tar & Gravel	1
E	Sealant	Gray, Louver, Window Frame, Hard	1
F	Not Used		
G	Not Used		
H	Gasket	Red & White, Spotlight	1
I	Insulation	White, Wire, Spotlight	1
J	Paint	Red, Floor	1
K	Paint	Beige & Gray, Metal Components	1
L	Heat Shield	White, Spotlight	1
M	Insulator	White & Black, Spotlight	1
N	Glazing	White, Window	1

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-ASBESTOS MATERIAL LOCATION



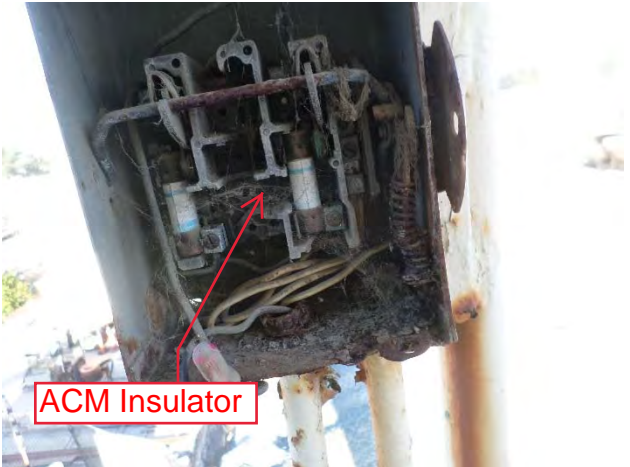
BUILDING 4952
PHOTO DOCUMENTATION



BUILDING 4952
PHOTO DOCUMENTATION



ACM Heat Shield



ACM Insulator



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.
San Leandro, CA 94577

Client ID: L1161
Report Number: B237128
Date Received: 04/03/17
Date Analyzed: 04/05/17
Date Printed: 04/05/17
First Reported: 04/05/17

Job ID/Site: 17191001 - FORA, Stockade Bldg #4952

FALI Job ID: L1161
Total Samples Submitted: 10
Total Samples Analyzed: 10

Date(s) Collected:

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4952-C-01	11875048						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4952-D-01	11875049						
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (55 %)							
4952-E-01	11875050						
Layer: Grey Non-Fibrous Material		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4952-H-01	11875051						
Layer: Red/White Fibrous Material		Chrysotile	85 %				
Total Composite Values of Fibrous Components:		Asbestos (85%)					
Cellulose (Trace)							
4952-I-01	11875052						
Layer: Off-White Fibrous Material		Chrysotile	60 %				
Total Composite Values of Fibrous Components:		Asbestos (60%)					
Cellulose (5 %) Fibrous Glass (20 %)							
4952-J-01	11875053						
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					

Client Name: Vista Environmental Consultants

Report Number: B237128

Date Printed: 04/05/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4952-K-01	11875054						
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (55 %)							
4952-L-01	11875055						
Layer: Off-White Woven Material		Chrysotile	40 %				
Total Composite Values of Fibrous Components:		Asbestos (40%)					
Cellulose (55 %)							
4952-M-01	11875056						
Layer: Grey Semi-Fibrous Material		Chrysotile	15 %				
Total Composite Values of Fibrous Components:		Asbestos (15%)					
Cellulose (Trace)							
4952-N-01	11875057						
Layer: Off-White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/29/17

LOCATION: Stockade Bldg# 4952

PROJECT NUMBER: 17191001

SAMPLED BY: A952

CAC OR SST No: 92-0024

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4952	C	01	Concrete	Gray		
4952	D	01	Roofing	Black, T&G		
4952	E	01	Sealant	Gray, Lower & window frame (hard)		
4952	H	01	Gasket	Red & white, SPOTLIGHT		
4952	I	01	INSULATION	White, wire, SPOTLIGHT		
4952	J	01	PAINT	RED, FLOOR		
4952	K	01	PAINT	Beige & Gray, Metal		
4952	L	01	Heatshield	White, SPOTLIGHT		
4952	M	01	INSULATOR	White & Black SPOTLIGHT		
4952	N	01	GLAZING	White, WINDOW		

ANALYTICAL METHOD: (PLM) 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY
DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS:

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE LUS J ROCHA PRINTED NAME 03/31/17 DATE/TIME

2. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME

3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME



**FORA
4952
XRF Sequential Report**

Reading No	Building	Room	Component	Substrate	Color	Condition	Results	PbC	Units
17	4952	OUTSIDE	WALL	CONCRETE	BEIGE	DETERIORATED	Positive	4	mg / cm ^2
18	4952	OUTSIDE	COLUMN	METAL	BEIGE	DETERIORATED	Positive	4.4	mg / cm ^2
19	4952	OUTSIDE	WINDOW CASING	METAL	BEIGE	DETERIORATED	Positive	1.9	mg / cm ^2
20	4952	OUTSIDE	DOOR	METAL	BEIGE	DETERIORATED	Positive	3.2	mg / cm ^2
21	4952	OUTSIDE	DOOR FRAME	METAL	GREEN	DETERIORATED	Positive	5	mg / cm ^2
22	4952	INSIDE	FLOOR	CONCRETE	RED	DETERIORATED	Negative	0.7	mg / cm ^2
23	4952	OUTSIDE	HAND RAIL	METAL	GREEN	DETERIORATED	Positive	4.8	mg / cm ^2
24	4952	OUTSIDE	FASCIA	METAL	GREEN	DETERIORATED	Positive	10.1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

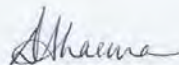
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79056-1
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/28/2017 5:25:29 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Job ID: 720-79056-1

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79056-1**

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The following sample was diluted to bring the concentration of target analytes Pb, Zn within the calibration range: 4952-T22-01 (720-79056-1) and 4952-T22-02 (720-79056-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Detection Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Client Sample ID: 4952-T22-01

Lab Sample ID: 720-79056-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	200		9.6		mg/Kg	20		6010B	Total/NA
Arsenic	51		19		mg/Kg	20		6010B	Total/NA
Barium	310		9.6		mg/Kg	20		6010B	Total/NA
Cadmium	28		2.4		mg/Kg	20		6010B	Total/NA
Chromium	1900		9.6		mg/Kg	20		6010B	Total/NA
Cobalt	120		3.8		mg/Kg	20		6010B	Total/NA
Copper	68		29		mg/Kg	20		6010B	Total/NA
Lead	23000		9.6		mg/Kg	20		6010B	Total/NA
Nickel	16		9.6		mg/Kg	20		6010B	Total/NA
Zinc	19000		29		mg/Kg	20		6010B	Total/NA
Mercury	0.52		0.036		mg/Kg	4		7471A	Total/NA

Client Sample ID: 4952-T22-02

Lab Sample ID: 720-79056-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	230		8.0		mg/Kg	20		6010B	Total/NA
Arsenic	39		16		mg/Kg	20		6010B	Total/NA
Barium	300		8.0		mg/Kg	20		6010B	Total/NA
Cadmium	28		2.0		mg/Kg	20		6010B	Total/NA
Chromium	1900		8.0		mg/Kg	20		6010B	Total/NA
Cobalt	110		3.2		mg/Kg	20		6010B	Total/NA
Copper	51		24		mg/Kg	20		6010B	Total/NA
Lead	24000		8.0		mg/Kg	20		6010B	Total/NA
Nickel	14		8.0		mg/Kg	20		6010B	Total/NA
Vanadium	12		8.0		mg/Kg	20		6010B	Total/NA
Zinc	18000		24		mg/Kg	20		6010B	Total/NA
Mercury	1.5		0.0098		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Client Sample ID: 4952-T22-01

Lab Sample ID: 720-79056-1

Date Collected: 04/21/17 08:30

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	200		9.6		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Arsenic	51		19		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Barium	310		9.6		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Beryllium	ND		1.9		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Cadmium	28		2.4		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Chromium	1900		9.6		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Cobalt	120		3.8		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Copper	68		29		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Lead	23000		9.6		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Molybdenum	ND		9.6		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Nickel	16		9.6		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Selenium	ND		19		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Silver	ND		4.8		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Thallium	ND		9.6		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Vanadium	ND		9.6		mg/Kg		04/25/17 19:34	04/28/17 15:01	20
Zinc	19000		29		mg/Kg		04/25/17 19:34	04/28/17 15:01	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.52		0.036		mg/Kg		04/25/17 09:41	04/25/17 15:13	4

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Client Sample ID: 4952-T22-02

Lab Sample ID: 720-79056-2

Date Collected: 04/21/17 08:30

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	230		8.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Arsenic	39		16		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Barium	300		8.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Beryllium	ND		1.6		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Cadmium	28		2.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Chromium	1900		8.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Cobalt	110		3.2		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Copper	51		24		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Lead	24000		8.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Molybdenum	ND		8.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Nickel	14		8.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Selenium	ND		16		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Silver	ND		4.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Thallium	ND		8.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Vanadium	12		8.0		mg/Kg		04/25/17 19:34	04/28/17 15:06	20
Zinc	18000		24		mg/Kg		04/25/17 19:34	04/28/17 15:06	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.5		0.0098		mg/Kg		04/25/17 09:41	04/25/17 14:14	1

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-221833/1-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Arsenic	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Barium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Beryllium	ND		0.10		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cadmium	ND		0.13		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Chromium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cobalt	ND		0.20		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Copper	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Lead	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Molybdenum	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Nickel	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Selenium	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Silver	ND		0.25		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Thallium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Vanadium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Zinc	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1

Lab Sample ID: LCS 720-221833/2-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	48.3		mg/Kg		97	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	49.5		mg/Kg		99	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	50.1		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	24.4		mg/Kg		98	80 - 120
Thallium	50.0	50.0		mg/Kg		100	80 - 120
Vanadium	50.0	48.9		mg/Kg		98	80 - 120
Zinc	50.0	48.8		mg/Kg		98	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-221815/1-A
Matrix: Solid
Analysis Batch: 221861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/25/17 09:41	04/25/17 13:41	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-221815/2-A
Matrix: Solid
Analysis Batch: 221861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.795		mg/Kg		95	80 - 120

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QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Metals

Prep Batch: 221815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79056-1	4952-T22-01	Total/NA	Solid	7471A	
720-79056-2	4952-T22-02	Total/NA	Solid	7471A	
MB 720-221815/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-221815/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Prep Batch: 221833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79056-1	4952-T22-01	Total/NA	Solid	3050B	
720-79056-2	4952-T22-02	Total/NA	Solid	3050B	
MB 720-221833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 221861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79056-1	4952-T22-01	Total/NA	Solid	7471A	221815
720-79056-2	4952-T22-02	Total/NA	Solid	7471A	221815
MB 720-221815/1-A	Method Blank	Total/NA	Solid	7471A	221815
LCS 720-221815/2-A	Lab Control Sample	Total/NA	Solid	7471A	221815

Analysis Batch: 222056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-221833/1-A	Method Blank	Total/NA	Solid	6010B	221833
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	6010B	221833

Analysis Batch: 222091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79056-1	4952-T22-01	Total/NA	Solid	6010B	221833
720-79056-2	4952-T22-02	Total/NA	Solid	6010B	221833

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Client Sample ID: 4952-T22-01

Date Collected: 04/21/17 08:30

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79056-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		20	222091	04/28/17 15:01	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		4	221861	04/25/17 15:13	OBI	TAL PLS

Client Sample ID: 4952-T22-02

Date Collected: 04/21/17 08:30

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79056-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		20	222091	04/28/17 15:06	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221861	04/25/17 14:14	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79056-1	4952-T22-01	Solid	04/21/17 08:30	04/21/17 12:35
720-79056-2	4952-T22-02	Solid	04/21/17 08:30	04/21/17 12:35

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TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
phone 925 484 1919 fax 925 600 3002

Chain of Custody Record

720-79056

175470

TestAmerica
The Leader in Environmental Testing
TestAmerica Laboratories, Inc.
4/28/2017

Regulatory Program: DW NPDES RCRA Other:

Client Contact: Vista Environmental Consulting
2984 Teagarden Street
San Leandro, CA 94577
510-346-8860
888-296-0271 FAX
FORA - Stockade
Task 3 - 4952
171091001

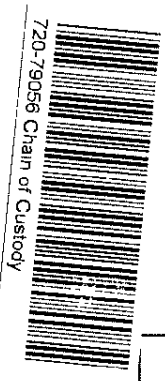
Project Manager: Chris Burns
Tel/Fax: CALENDAR DAYS WORKING DAYS

Analyst Turnaround Time
TAT if different from Below: 2 weeks 1 week 2 days 1 day

Site Contact: Lab Contact: Carrier:

COC No: 1 of 1 COCs

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grav)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Lab Contact:	Date:	Carrier:	Sampler:	For Lab Use Only:
4952-T22-01	4/21/2017	830	C	Solid	1							Walk-in Client: Lab Sampling
4952-T22-02	4/21/2017	830	C	Solid	1							Job / SDG No:
Sample Specific Notes												
Interior Paint												
Exterior Paint												



Preservation Used: 1= Ice, 2= HCI, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: Please email report to christurns@vista-env.com & molli@vista-env.com

Custody Seals Intact: Yes No

Relinquished by: *[Signature]* Company: VISTA Date/Time: 04/21/17 Received by: *[Signature]* Received in Laboratory by: *[Signature]* Company: NA Date/Time: 4/21/17 1235

Relinquished by: _____ Company: _____ Date/Time: _____

Cooler Temp. (°C): Obsd.: _____ Therm ID No.: _____

17.4°C

Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79056-1

Login Number: 79056
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

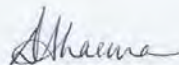
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79056-2
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
5/30/2017 11:47:08 AM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Qualifiers

Metals

Qualifier

Qualifier Description

^ ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Job ID: 720-79056-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-79056-2

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The continuing calibration blank (CCB) for analytical batch 720-223726 contained Pb above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Client Sample ID: 4952-T22-01

Lab Sample ID: 720-79056-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13	^	0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4952-T22-02

Lab Sample ID: 720-79056-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	160	^	0.050		mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Client Sample ID: 4952-T22-01

Date Collected: 04/21/17 08:30

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79056-1

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13	^	0.050		mg/L		05/25/17 10:30	05/26/17 10:35	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Client Sample ID: 4952-T22-02

Lab Sample ID: 720-79056-2

Date Collected: 04/21/17 08:30

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	160	^	0.050		mg/L		05/25/17 10:30	05/26/17 10:40	1

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QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-223629/1-A
 Matrix: Solid
 Analysis Batch: 223726

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 223629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/25/17 10:30	05/26/17 09:20	1

Lab Sample ID: LCS 720-223629/2-A
 Matrix: Solid
 Analysis Batch: 223726

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 223629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.963		mg/L		96	80 - 120

Lab Sample ID: LB 720-223507/1-B
 Matrix: Solid
 Analysis Batch: 223726

Client Sample ID: Method Blank
 Prep Type: TCLP
 Prep Batch: 223629

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/25/17 10:30	05/26/17 09:31	1

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Metals

Leach Batch: 223507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79056-1	4952-T22-01	TCLP	Solid	1311	
720-79056-2	4952-T22-02	TCLP	Solid	1311	
LB 720-223507/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 223629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79056-1	4952-T22-01	TCLP	Solid	3010A	223507
720-79056-2	4952-T22-02	TCLP	Solid	3010A	223507
LB 720-223507/1-B	Method Blank	TCLP	Solid	3010A	223507
MB 720-223629/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 223726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79056-1	4952-T22-01	TCLP	Solid	6010B	223629
720-79056-2	4952-T22-02	TCLP	Solid	6010B	223629
LB 720-223507/1-B	Method Blank	TCLP	Solid	6010B	223629
MB 720-223629/1-A	Method Blank	Total/NA	Solid	6010B	223629
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	6010B	223629

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Client Sample ID: 4952-T22-01

Date Collected: 04/21/17 08:30

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79056-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 10:35	BKR	TAL PLS

Client Sample ID: 4952-T22-02

Date Collected: 04/21/17 08:30

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79056-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 10:40	BKR	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79056-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79056-1	4952-T22-01	Solid	04/21/17 08:30	04/21/17 12:35
720-79056-2	4952-T22-02	Solid	04/21/17 08:30	04/21/17 12:35

- 1
- 2
- 3
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720-79056-2

Sharma, Dimple

From: Chris Burns <chrisburns@vista-env.com>
Sent: Thursday, May 18, 2017 9:51 AM
To: Mollie Rothman; Sharma, Dimple
Subject: Fwd: FORA
Attachments: TCLP and STLC Worksheet.xlsx; ATT00001.htm

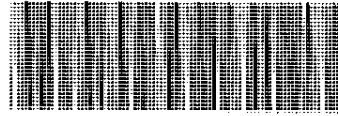
Dimple,

Please refer to the attached spreadsheet for the additional analysis we need run. Please let me know if you have any questions and confirm receipt of this request.

Thanks,
Christopher Burns
Vista Environmental Consulting
(925) 348-5361

Begin forwarded message:

From: "Mollie Rothman" <mollie@vista-env.com>
Date: May 18, 2017 at 9:35:25 AM PDT
To: <chrisburns@vista-env.com>
Subject: FORA



720-79056 Chain of Custody

Mollie Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
mollie@vista-env.com

Stockade Waste Profiles

BLDG	LAB REPORT	Sample No	Analyte	Analysis
4950	720-79057-1	4950-T22_01	Pb	TCLP
		4950-T22_02	Pb	TCLP
		4950-T22_03	Cr & Pb	TCLP
4951	720-79058-1	4951-T22_01	Pb & Hg	TCLP
		4951-T22_02	Pb	TCLP
		4951-T22_03	Pb	TCLP
4952	720-79056-1	4952-T22_01	Pb	TCLP
		4952-T22_02	Pb	TCLP
		4952-T22_03	Pb	TCLP
4953	720-79051-1	4953-T22_01	Pb	TCLP
		4953-T22_02	Pb	TCLP
		4953-T22_03	Nothing	Nothing
		4953-T22_04	Pb	TCLP & STLC
4954	720-79052-1	4954-T22_01	Pb	TCLP
		4954-T22_02	Cr & Pb	TCLP & STLC
		4954-T22_03	Pb	TCLP & STLC
4955	720-79053-1	4955-T22_01	Pb	TCLP & STLC
4956	720-79054-1	4956-T22_01	Pb	TCLP
		4956-T22_02	Cr & Pb	TCLP
		4956-T22_03	Pb	TCLP
4957	720-79055-1	4957-T22_01	Hg	TCLP
		4957-T22_02	Hg	TCLP & STLC



Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79056-2

Login Number: 79056
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



BUILDING 4953



The information contained in these appendices are not stand alone documents and should not be separated from this report. For specific regulatory requirements regarding these materials please refer to the information provided in the Main Report. Quantities and locations listed in the tables are order of magnitude estimates and are not to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, prior to bidding.

MBARD classifications are based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification. MBARD & Cal-OSHA classifications are based on the materials being >1% asbestos pending further analytical data that proves otherwise.

BUILDING 4953

HAZARDOUS MATERIALS SUMMARY

Asbestos

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
A	Insulation	White, Boiler Breaching	Boiler Room	Class I	Friable (RACM when Removed)	130 SF
B	Insulation	4" - 8" O.D. White, Pipe & Elbow	Throughout North, South and East Wings. Material is in Crawlspace, Ceiling Plenums, Wall Void and Pipe Chases.	Class I	Friable (RACM when Removed)	3,325 LF
C	Insulation	White, Tank	Boiler Room	Class I	Friable (RACM when Removed)	140 SF
D	Vinyl Floor Tile/Mastic	9" Brown/Black	North Wing - Auditorium. Under 12 Floor Tile.	Class II	Category I - Non-Friable	1,700 SF
E	Base	Black/Black, HVAC	West Wing - Upper Roof	Class II	Category I - Non-Friable	100 SF
F	Mastic	Gray & Black, Roof Patches & Penetrations	Throughout North, South and East Wings - Patches and Penetrations	Class II	Category I - Non-Friable	100 SF
H	Window Putty	White & Gray	North, South and East Wing Windows	Unclassified	NA (Layer <1% by Point Count)	4,100 SF (Windows)
J	Insulation	White, Fire Door	South Wing, Lobby - Doors to Exterior and Door to Basement. East Wing, Basement - West Door	Unclassified	Friable (RACM when Removed)	200 SF (8 Doors)
K	Sealant	Gray, Window Frame	North, South and East Wing Window Frames	Class II	Category I - Non-Friable	160 SF (1,920 LF)
L	Window Putty	Gray & White, Window	West Wing Windows	Unclassified	NA (Layer <1% by Point Count)	1,350 SF

BUILDING 4953

HAZARDOUS MATERIALS SUMMARY

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
P	Mastic	Gray & Black, Roof Patches & Penetrations	West Wing - Roof Patches, Penetrations, and Seams	Class II	Category I - Non-Friable	20 SF
U	Insulation	4" O.D. Fitting	West Wing - Crawlspace, Mechanical Room and Pipe Chases. Debris on Ground on 1st Floor	Class I	Friable (RACM when Removed)	200 SF (200 Each)
Z	Tape/Sealant	Gray/Gray, HVAC Curb	East Wing Roof	Class II	Category I - Non-Friable	2 SF (24 LF)
AA, Y3, Z3	Paint/Concrete/Skim Coat	White/White/Gray	Throughout North and South Wings - Concrete Walls, Ceilings, Columns and Beams	Unclassified	NA (Layer <1% by Point Count)	43,550 SF
CC	Wallboard/Joint Compound	Gray/White	North Wing - 1st Floor, South Offices and Hallway; South Wing - Throughout; East Wing - North West Rooms	Class II	NA (Composite <1% by Point Count, Wallboard=ND, Joint Compound=2%)	2,750 SF
GG	Vinyl Floor Tile/Mastic	12" Brown & White/Black	Throughout North, South and East Wings	Class II	Category I - Non-Friable	22,000 SF
VV	Insulator	Black & Gray, Electrical Box	North Wing - 2nd Floor HVAC Room; East Wing - Basement Mechanical Room and Kitchen	Class II	Category II - Non-Friable	18 SF
WW	Gasket	Black, Light	East Wing - Kitchen Exhaust Lights	Class II	Category I - Non-Friable	4 SF (8 Each)
L3	Jacketing	White, Fiberglass Tank	Boiler Room	Class I	Friable (RACM when Removed)	70 SF

BUILDING 4953 HAZARDOUS MATERIALS SUMMARY

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
S3	Gasket	Brown	Boiler Room	Class II	Category I - Non-Friable	8 SF
W3	Gasket	White, Toilet	Restrooms Throughout North, South and East Wings- Between Toilet and Waste Pipe	Class II	Category I - Non-Friable	25 SF (50 Each)

Lead-Based Paint and Materials

Reading No	Floor	Room	Side	Component	Substrate	Color	Condition	Pb	Units
51	Roof	Outside	West	Window Casing	Metal	Green	Deteriorated	7.2	mg/cm ²
52	Roof	Outside	South	Window Casing	Metal	Blue	Deteriorated	6.2	mg/cm ²
43	1E	Outside	South	Window Casing	Metal	Beige	Deteriorated	4.4	mg/cm ²
44	1E	Outside	South	Window	Metal	Beige	Deteriorated	3.5	mg/cm ²
52	1S	Outside	East	Door	Metal	Brown	Intact	2.1	mg/cm ²
53	1S	Outside	East	Door Frame	Metal	Brown	Intact	2.9	mg/cm ²
54	1S	Outside	East	Ceiling	Wood	White	Deteriorated	4.2	mg/cm ²
55	1S	Outside	East	Window	Metal	Beige	Deteriorated	3.2	mg/cm ²
56	1S	Outside	East	Window Casing	Metal	Beige	Deteriorated	5	mg/cm ²
60	1E	Outside	East	Door	Metal	Gray	Deteriorated	3.1	mg/cm ²
62	1E	Outside	East	Door Frame	Metal	Gray	Deteriorated	2.1	mg/cm ²
65	1W	Outside	West	Door	Metal	Gray	Deteriorated	3.5	mg/cm ²
72	1N	Outside	East	Door	Metal	Gray	Deteriorated	1.9	mg/cm ²
73	1N	Outside	East	Door Frame	Metal	Gray	Deteriorated	2.7	mg/cm ²
74	1N	Outside	North	Hatch	Metal	Brown	Deteriorated	4.3	mg/cm ²
75	1N	Outside	West	Window	Metal	Green	Deteriorated	9.9	mg/cm ²
76	1N	Outside	West	Window Casing	Metal	Green	Deteriorated	6.7	mg/cm ²
77	1S	1	South	Wall	Concrete	White	Deteriorated	1.3	mg/cm ²
78	1S	1	South	Baseboard	Concrete	Brown	Deteriorated	1.6	mg/cm ²
79	1S	1	West	Window	Metal	White	Deteriorated	10.1	mg/cm ²
80	1S	1	West	Window Casing	Metal	Beige	Deteriorated	10.1	mg/cm ²
81	1S	1	West	Radiator	Metal	Brown	Deteriorated	3.9	mg/cm ²

BUILDING 4953

HAZARDOUS MATERIALS SUMMARY

Reading No	Floor	Room	Side	Component	Substrate	Color	Condition	Pb	Units
83	1S	1	West	Column	Concrete	White	Deteriorated	5.3	mg/cm ²
84	1S	1	North	Beam	Concrete	White	Deteriorated	2.7	mg/cm ²
88	1S	2	West	Wall	Concrete	White	Deteriorated	4.9	mg/cm ²
89	1S	2	East	Column	Concrete	White	Deteriorated	1.9	mg/cm ²
95	1S	4	East	Wall	Concrete	White	Deteriorated	4.6	mg/cm ²
96	1S	4	East	Window	Metal	White	Deteriorated	1.7	mg/cm ²
97	1S	4	East	Window Casing	Metal	White	Deteriorated	2.8	mg/cm ²
101	1S	5	North	Wall	Concrete	White	Deteriorated	6.1	mg/cm ²
102	1S	5	North	Door	Wood	Brown	Deteriorated	4.2	mg/cm ²
103	1S	5	North	Door Frame	Metal	Brown	Deteriorated	1.9	mg/cm ²
106	1S	6	North	Wall	Concrete	White	Deteriorated	4.4	mg/cm ²
108	1S	7	North	Wall	Concrete	White	Deteriorated	2.8	mg/cm ²
109	1S	7	West	Wall	Concrete	White	Deteriorated	4.7	mg/cm ²
111	1S	8	West	Wall	Concrete	Brown	Deteriorated	2.7	mg/cm ²
112	1S	8	West	Column	Concrete	White	Deteriorated	2.2	mg/cm ²
113	1S	8	South	Wall	Concrete	White	Deteriorated	2.6	mg/cm ²
114	1S	8	West	Window	Metal	White	Deteriorated	2.5	mg/cm ²
115	1S	8	West	Window Casing	Metal	White	Deteriorated	2.5	mg/cm ²
117	1S	8	East	Door Frame	Metal	Brown	Deteriorated	7.1	mg/cm ²
118	1S	9	North	Door Frame	Metal	Blue	Deteriorated	1	mg/cm ²
119	1S	9	North	Wall	Concrete	Blue	Deteriorated	2.2	mg/cm ²
122	1S	10	South	Wall	Concrete	White	Deteriorated	1.9	mg/cm ²
125	1S	10	South	Door Frame	Metal	Brown	Deteriorated	1.7	mg/cm ²
127	1S	10	South	Ceiling	Concrete	White	Deteriorated	1.4	mg/cm ²
137	1S	12	West	Wall	Concrete	White	Deteriorated	1.5	mg/cm ²
138	1S	12	West	Door Frame	Metal	Brown	Deteriorated	2.1	mg/cm ²
139	1S	12	West	Door	Metal	Blue	Deteriorated	1.7	mg/cm ²
140	1S	12	North	Wall	Concrete	White	Deteriorated	1	mg/cm ²
141	1S	12	East	Column	Concrete	White	Deteriorated	1.6	mg/cm ²
149	1S	13	West	Door	Wood	Gray	Intact	2.1	mg/cm ²
150	1S	13	West	Door Frame	Metal	Gray	Intact	2.1	mg/cm ²
153	1S	13	North	Door Frame	Metal	White	Deteriorated	1.6	mg/cm ²
154	1S	13	West	Wall	Concrete	White	Deteriorated	3.3	mg/cm ²

BUILDING 4953 HAZARDOUS MATERIALS SUMMARY

Reading No	Floor	Room	Side	Component	Substrate	Color	Condition	Pb	Units
158	1S	14	East	Wall	Concrete	Green	Intact	1.9	mg/cm ²
162	1S	15	North	Wall	Concrete	White	Deteriorated	1.8	mg/cm ²
163	1S	15	South	Wall	Concrete	White	Deteriorated	2.2	mg/cm ²
164	1S	15	North	Door	Metal	Brown	Deteriorated	2.4	mg/cm ²
165	1S	15	North	Door Frame	Metal	Brown	Deteriorated	1.7	mg/cm ²
168	1S	15	West	Door Frame	Metal	Brown	Deteriorated	5.5	mg/cm ²
169	1S	15	West	Door	Metal	Brown	Deteriorated	3.6	mg/cm ²
171	1E	1	East	Window	Metal	Gray	Deteriorated	4.1	mg/cm ²
172	1E	1	East	Window Casing	Metal	Gray	Deteriorated	3.7	mg/cm ²
175	1E	1	West	Door Frame	Metal	White	Deteriorated	1	mg/cm ²
182	1E	2	East	Wall	Concrete	White	Deteriorated	1.6	mg/cm ²
183	1E	2	South	Baseboard	Concrete	Red	Deteriorated	1.2	mg/cm ²
185	1E	2	North	Window	Metal	White	Deteriorated	3.1	mg/cm ²
186	1E	2	South	Pipe	Metal	White	Deteriorated	1.4	mg/cm ²
187	1E	3	North	Wall	Concrete	White	Deteriorated	1.6	mg/cm ²
188	1E	3	North	Baseboard	Concrete	Red	Deteriorated	2.9	mg/cm ²
189	1E	3	North	Shelf	Wood	White	Deteriorated	2.7	mg/cm ²
190	1E	3	South	Door Frame	Metal	White	Deteriorated	1.9	mg/cm ²
191	1E	3	East	Wall	Ceramic	White	Deteriorated	1.7	mg/cm ²
193	1E	4	North	Window	Metal	Black	Deteriorated	3.1	mg/cm ²
194	1E	4	South	Door Frame	Metal	White	Deteriorated	4.3	mg/cm ²
197	1E	5	East	Door Frame	Metal	White	Deteriorated	2	mg/cm ²
204	1E	7	East	Column	Concrete	Gray	Deteriorated	1.6	mg/cm ²
206	1E	7	North	Window	Metal	Gray	Deteriorated	6.3	mg/cm ²
207	1E	7	North	Window Casing	Metal	Gray	Deteriorated	3.9	mg/cm ²
213	1E	7	West	Wall	Concrete	White	Intact	1.7	mg/cm ²
214	1E	7	West	Chase	Metal	White	Deteriorated	1.7	mg/cm ²
215	1E	7	West	Door	Metal	White	Deteriorated	1.3	mg/cm ²
220	1E	8	South	Window	Metal	Gray	Deteriorated	3.3	mg/cm ²
221	1E	8	South	Window Casing	Metal	Gray	Deteriorated	2.7	mg/cm ²
222	1E	8	West	Door	Wood	Gray	Deteriorated	1.3	mg/cm ²
242	BN	2	North	Wall	Concrete	White	Intact	2.9	mg/cm ²
243	BN	2	North	Riser	Concrete	Brown	Deteriorated	4.3	mg/cm ²

BUILDING 4953 HAZARDOUS MATERIALS SUMMARY

Reading No	Floor	Room	Side	Component	Substrate	Color	Condition	Pb	Units
244	BN	2	West	Wall	Concrete	White	Intact	3.7	mg/cm ²
245	1N	1	South	Wall	Concrete	White	Intact	2	mg/cm ²
246	1N	1	South	Door	Metal	Brown	Intact	1.7	mg/cm ²
247	1N	1	South	Door Frame	Metal	White	Intact	1.8	mg/cm ²
248	1N	1	West	Wall	Concrete	White	Intact	3.2	mg/cm ²
249	1N	1	West	Column	Concrete	Gray	Intact	7.3	mg/cm ²
250	1N	1	North	Door	Metal	White	Intact	3.1	mg/cm ²
251	1N	1	North	Door Frame	Metal	White	Intact	2.4	mg/cm ²
261	1N	3	East	Wall	Concrete	White	Deteriorated	2.5	mg/cm ²
265	1N	3	East	Door Frame	Metal	Brown	Deteriorated	1.8	mg/cm ²
267	1N	3	West	Wall	Concrete	White	Deteriorated	3.6	mg/cm ²
277	1N	5	East	Door Frame	Metal	Brown	Deteriorated	1	mg/cm ²
279	1N	6	South	Wall	Concrete	White	Deteriorated	4.1	mg/cm ²
280	1N	6	South	Door Frame	Metal	Brown	Deteriorated	5.6	mg/cm ²
281	1N	6	South	Door	Metal	Brown	Deteriorated	2.3	mg/cm ²
282	1N	6	North	Wall	Concrete	White	Deteriorated	11.4	mg/cm ²
283	1N	6	North	Column	Concrete	White	Deteriorated	6	mg/cm ²
284	1N	7	South	Wall	Concrete	White	Deteriorated	1.3	mg/cm ²
285	1N	7	South	Door	Metal	Brown	Deteriorated	3.2	mg/cm ²
286	1N	7	South	Door Frame	Metal	Brown	Deteriorated	4.3	mg/cm ²
288	1N	7	East	Wall	Concrete	White	Deteriorated	4.9	mg/cm ²
293	1N	7	South	Door Frame	Metal	Brown	Deteriorated	5.9	mg/cm ²
297	1N	7	East	Wall	Concrete	White	Deteriorated	3	mg/cm ²
298	1N	7	West	Window	Metal	White	Deteriorated	3.6	mg/cm ²
299	1N	7	West	Window Casing	Metal	White	Deteriorated	5.4	mg/cm ²
300	1N	7	West	Column	Concrete	White	Deteriorated	2.5	mg/cm ²
301	1N	7	West	Wall	Concrete	White	Deteriorated	3	mg/cm ²
302	1N	7	North	Wall	Concrete	White	Deteriorated	2	mg/cm ²
306	1N	7	East	Window	Metal	White	Deteriorated	8.6	mg/cm ²
307	1N	7	East	Window Casing	Metal	White	Deteriorated	4.1	mg/cm ²
308	1N	7	East	Wall	Concrete	White	Deteriorated	2.7	mg/cm ²
309	1N	8	South	Wall	Concrete	White	Deteriorated	3.9	mg/cm ²
319	1N	10	South	Wall	Concrete	White	Deteriorated	2.8	mg/cm ²

BUILDING 4953

HAZARDOUS MATERIALS SUMMARY

Reading No	Floor	Room	Side	Component	Substrate	Color	Condition	Pb	Units
323	1N	11	East	Wall	Concrete	White	Deteriorated	1.9	mg/cm ²
324	1N	12	South	Wall	Concrete	White	Deteriorated	4.2	mg/cm ²
325	1N	12	South	Door Frame	Metal	White	Deteriorated	2.9	mg/cm ²
334	1N	14	North	Wall	Concrete	White	Deteriorated	1.5	mg/cm ²
335	1N	15	South	Wall	Concrete	White	Deteriorated	1.6	mg/cm ²
337	1N	16	North	Wall	Concrete	White	Deteriorated	2.5	mg/cm ²
338	1N	17	North	Wall	Concrete	White	Deteriorated	5.2	mg/cm ²
339	2N	1	South	Wall	Concrete	White	Deteriorated	3.5	mg/cm ²
340	2N	1	North	Riser	Concrete	Gray	Deteriorated	6.7	mg/cm ²
343	2N	1	West	Column	Concrete	White	Deteriorated	1.4	mg/cm ²
349	2N	2	West	Door	Metal	Brown	Intact	3.5	mg/cm ²
350	2N	3	North	Door	Metal	Brown	Intact	3.2	mg/cm ²
352	2N	3	North	Wall	Concrete	White	Intact	3.5	mg/cm ²
353	2N	3	East	Wall	Concrete	White	Intact	4.6	mg/cm ²
354	2N	3	East	Column	Concrete	White	Intact	2.2	mg/cm ²
357	2N	3	West	Window	Metal	Green	Deteriorated	5	mg/cm ²
358	2N	3	West	Window Casing	Metal	Green	Deteriorated	3.2	mg/cm ²
360	2N	4	East	Door	Metal	Brown	Deteriorated	3.4	mg/cm ²
363	2N	5	East	Wall	Concrete	White	Intact	2.7	mg/cm ²
368	2N	5	West	Door	Metal	White	Deteriorated	3.3	mg/cm ²
369	2N	5	West	Door Frame	Metal	White	Deteriorated	2.8	mg/cm ²
377	2N	6	East	Window	Metal	White	Deteriorated	2.6	mg/cm ²
378	2N	6	East	Window Casing	Metal	White	Deteriorated	2.9	mg/cm ²
380	2N	6	East	Door Frame	Metal	White	Deteriorated	1	mg/cm ²
382	2N	7	East	Wall	Concrete	White	Deteriorated	4.4	mg/cm ²
383	2N	7	East	Window	Metal	Green	Deteriorated	6.1	mg/cm ²
384	2N	7	East	Window Casing	Metal	Green	Deteriorated	5.4	mg/cm ²
385	2N	7	East	Radiator	Metal	Brown, Light	Deteriorated	2.5	mg/cm ²
391	2N	7	East	Wall	Concrete	Green	Deteriorated	5.1	mg/cm ²
392	2N	7	East	Column	Concrete	Green	Deteriorated	2.6	mg/cm ²
399	2N	8	East	Window	Metal	White	Deteriorated	2.9	mg/cm ²
400	2N	9	East	Wall	Concrete	White	Deteriorated	1.5	mg/cm ²
401	2N	9	North	Wall	Concrete	White	Deteriorated	2.4	mg/cm ²

BUILDING 4953 HAZARDOUS MATERIALS SUMMARY

Reading No	Floor	Room	Side	Component	Substrate	Color	Condition	Pb	Units
402	2N	9	North	Column	Concrete	White	Deteriorated	3.3	mg/cm ²
404	2N	9	East	Wall	Concrete	White	Deteriorated	2.3	mg/cm ²
405	2N	9	West	Window	Metal	White	Deteriorated	6.3	mg/cm ²
406	2N	9	West	Window Casing	Metal	White	Deteriorated	6.3	mg/cm ²
421	1W	1	North	Door	Metal	Brown	Intact	1.2	mg/cm ²
428	1W	1	South	Door	Metal	Brown	Deteriorated	1.4	mg/cm ²
523	2W	6	North	Bracket	Metal	White	Deteriorated	2.8	mg/cm ²
533	BE	1	West	Tank	Metal	Gray	Deteriorated	1.4	mg/cm ²
534	BE	1	West	Tank	Metal	Silver	Deteriorated	3.3	mg/cm ²

All remaining tested materials had lead concentrations in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1.

Other Hazardous Materials

MATERIAL	CONTAMINANT	ESTIMATED QUANTITY
Fluorescent Tubes (4' Length)	Universal Waste	522
Batteries (Backup)	Universal Waste	5
Light Fixture Ballasts	Polychlorinated Biphenyls	398

Note: Extensive animal fecal matter was seen throughout. A deer carcass was in the North East side of the West Wing. Mold was seen in the North Wing basement (Offices) and northeast side of the East Wing (Dining Room). Mosquito Larva was seen in the flooded basement and crawlspace pipe chases. Poison Oak was actively growing on the southeast side of the West Wing.

BUILDING 4953
HAZARDOUS MATERIALS SUMMARY

Waste Characterization Estimate

Interior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	230	mg/kg	230	500	No	YES	NA	NA
Arsenic	10	mg/kg	10	500	No	No	NA	NA
Barium	100	mg/kg	100	10,000	No	No	NA	NA
Cadmium	18	mg/kg	18	100	No	YES	NA	NA
Chromium	1900	mg/kg	1900	2,500	No	YES	NA	NA
Cobalt	160	mg/kg	160	8,000	No	No	NA	NA
Copper	76	mg/kg	76	2,500	No	No	NA	NA
Lead	14000	mg/kg	14000	1,000	YES	No	5.2	YES
Molybdenum	9.3	mg/kg	9.3	3,500	No	NA	NA	NA
Nickel	4.9	mg/kg	4.9	2,000	No	No	NA	NA
Silver	2	mg/kg	2	500	No	No	NA	NA
Vanadium	7.3	mg/kg	7.3	2,400	No	No	NA	NA
Zinc	9600	mg/kg	9600	5,000	YES	No	NA	NA
Mercury	4.2	mg/kg	4.2	20	No	YES	NA	NA

Exterior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Barium	340	mg/kg	340	10,000	No	No	NA	NA
Cadmium	5.3	mg/kg	5.3	100	No	No	NA	NA
Chromium	800	mg/kg	800	2,500	No	YES	NA	NA
Cobalt	160	mg/kg	160	8,000	No	No	NA	NA
Copper	28	mg/kg	28	2,500	No	No	NA	NA
Lead	9400	mg/kg	9400	1,000	YES	No	15	YES
Nickel	5.1	mg/kg	5.1	2,000	No	No	NA	NA
Vanadium	5.6	mg/kg	5.6	2,400	No	No	NA	NA
Zinc	8800	mg/kg	8800	5,000	YES	No	NA	NA
Mercury	8.5	mg/kg	8.5	20	No	YES	NA	NA

BUILDING 4953
HAZARDOUS MATERIALS SUMMARY

Ceramic Tiles & Mortar Bed

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?
Barium	110	mg/kg	110	10,000	No	No
Chromium	7.6	mg/kg	7.6	2,500	No	No
Cobalt	3.7	mg/kg	3.7	8,000	No	No
Copper	71	mg/kg	71	2,500	No	No
Lead	15	mg/kg	15	1,000	No	No
Nickel	21	mg/kg	21	2,000	No	No
Vanadium	13	mg/kg	13	2,400	No	No
Zinc	170	mg/kg	170	5,000	No	No
Mercury	0.078	mg/kg	0.078	20	No	No

Other (Painted CMU, Painted Wood & Roofing)

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	STLC Lab Results (mg/l)	STLC Level (mg/l)	Exceed the Cal/Haz Level?	Need TCLP?	TCLP Lab Results (mg/l)	Exceed the RCRA Level?
Antimony	68	mg/kg	68	500	No	No	NA	15	No	NA	NA	NA
Arsenic	3.6	mg/kg	3.6	500	No	No	NA	5	No	No	NA	NA
Barium	780	mg/kg	780	10,000	No	No	NA	100	No	No	NA	NA
Cadmium	1.5	mg/kg	1.5	100	No	No	NA	1	No	No	NA	NA
Chromium	29	mg/kg	29	2,500	No	No	NA	5	No	No	NA	NA
Cobalt	54	mg/kg	54	8,000	No	No	NA	80	No	NA	NA	NA
Copper	35	mg/kg	35	2,500	No	No	NA	25	No	NA	NA	NA
Lead	380	mg/kg	380	1,000	No	YES	6	5	YES	YES	7.1	YES
Nickel	100	mg/kg	100	2,000	No	No	NA	20	No	NA	NA	NA
Vanadium	28	mg/kg	28	2,400	No	No	NA	24	No	NA	NA	NA
Zinc	670	mg/kg	670	5,000	No	No	NA	250	No	NA	NA	NA
Mercury	0.013	mg/kg	0.013	20	No	No	NA	0.2	No	No	NA	NA

Shaded sample results were below the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCLab level. However, Soluble Threshold Limit Concentration (STLC) testing and analysis would be needed to see if it is a California Hazardous Waste, and Toxicity Characteristic Leaching Procedure (TCLP) testing and analysis would be needed to determine if it is a Federal RCRA Hazardous Waste.

Bolded sample results were above the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCLab and or STLC level and would be considered a California Hazardous Waste. TCLP testing and analysis may be needed to determine if it is a Federal RCRA Hazardous Waste.

Shaded and Bolded sample results are considered a Federal RCRA Hazardous Waste.

Tested metals not listed were below the reporting limit, which represents the lowest amount of analyte that the laboratory can confidently detect in the sample.

BUILDING 4953
ASBESTOS SAMPLING INVENTORY

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Insulation	White, Boiler Breeching	Positive
B	Insulation	4" - 8" O.D. White, Pipe & Elbow	Positive
C	Insulation	White, Tank	Positive
D	Vinyl Floor Tile/Mastic	9" Brown/Black	Positive
E	Base	Black/Black, HVAC	Positive
F	Mastic	Gray & Black, Roof Patches & Penetrations	Positive
G	Concrete	Gray, Walls & Foundation	2
H	Window Putty	White & Gray	4
I	Glazing	White, Storefront	1
J	Insulation	White, Fire Door	1
K	Sealant	Gray, Window Frame	3
L	Window Putty	Gray & White	3
M	Sealant	Gray, Window Frame	2
N	Concrete	Gray, Walls & Foundation	2
O	Roofing	Black, Tar & Gravel	2
P	Mastic	Gray & Black, Roof Patches & Penetrations	1
Q	Expansion Joint	Black & Brown	1
R	Flex Connector	Black, HVAC	1
S	Tape/Sealant	White/White, HVAC	1
T	Jacketing	White, Fiberglass Pipe	1
U	Insulation	4" O.D. Fitting	3
V	Brick	Off-White, Boiler Exhaust	1

BUILDING 4953
ASBESTOS SAMPLING INVENTORY

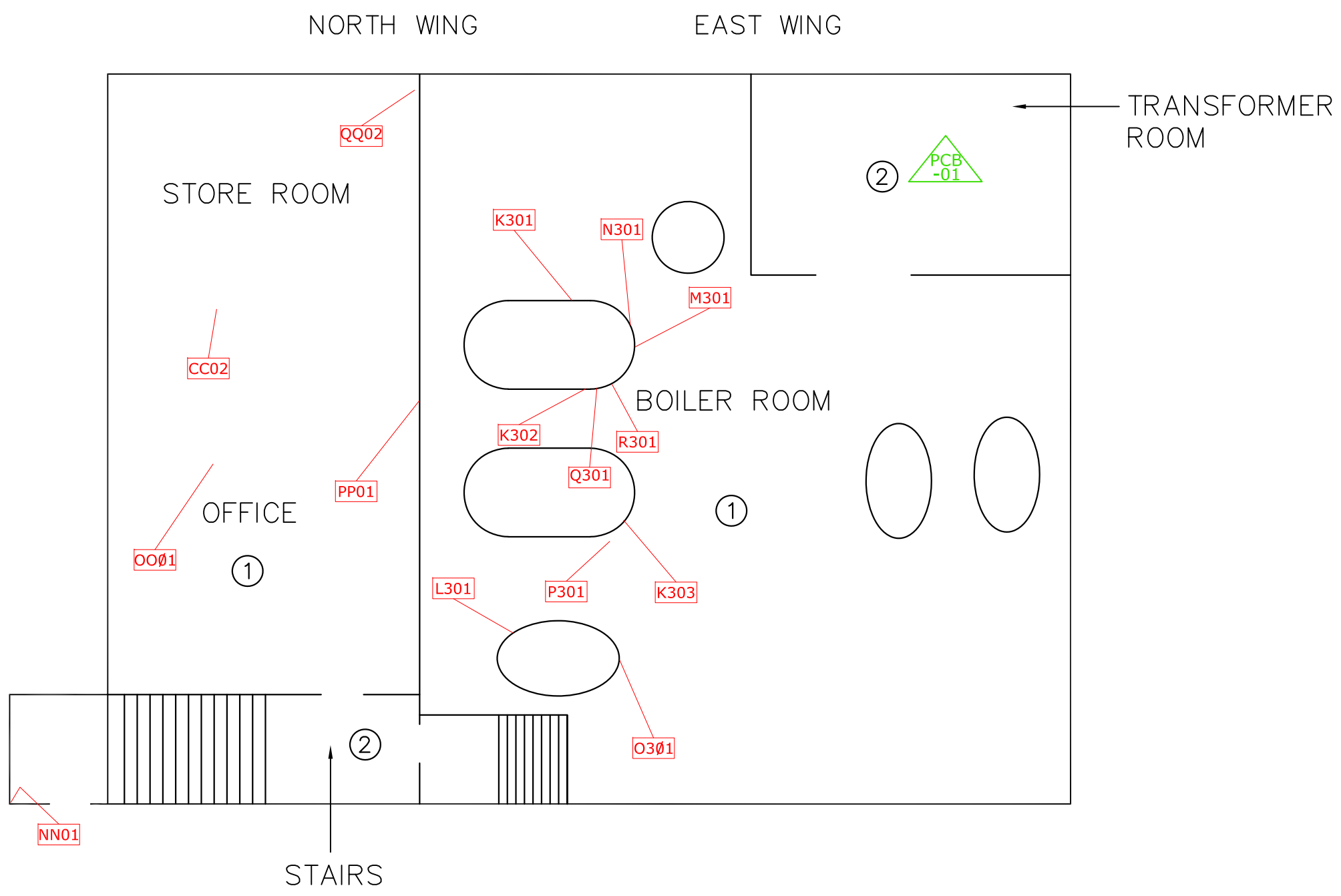
HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
W	Roofing/Foam/Insulation	Black, Tar & Gravel/Brown/Brown	3
X	Base	Black/Black, HVAC	1
Y	Flex Connector	Beige, HVAC	1
Z	Tape/Sealant	Gray/Gray, HVAC Curb	1
AA	Paint/Concrete/Skim Coat	White/White/Gray	9
BB	Paint/Concrete Masonry Unit/Grout	White/Gray/Gray	3
CC	Wallboard/Joint Compound	Gray/White	5
DD	Texture Coat	White, Small	5
EE	Acoustic Ceiling Panel	2'x4' White, "Chicken Feet"	2
FF	Basecove/Mastic	4" Black/Brown	2
GG	Vinyl Floor Tile/Mastic	12" Brown & White/Black	5
HH	Basecove/Mastic	4" Brown/Brown	2
II	Basecove/Mastic	4" White/Black	1
JJ	Wall Panel	Brown	1
KK	Concrete Masonry Unit/Grout	Beige/Gray	2
LL	Mortar/Grout	1" Brown, Floor	1
MM	Mastic	Yellow, Carpet	1
NN	Basecove/Mastic	4" Tan, Brown	1
OO	Vinyl Floor Tile/Mastic	12" Off-White/Black	1
PP	Acoustic Ceiling Tile/Mastic	12" White, Non-Uniform Hole/Brown	1
QQ	Jacketing	White & Black, Fiberglass Pipe	2
RR	Insulation paper	Gray & Black, Electrical Box	1




BUILDING 4953
ASBESTOS SAMPLING INVENTORY

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
SS	Ceramic Tile/Grout	4" Brown/Gray, Floor	1
TT	Glazing	White, Window, Interior	1
UU	Basecove/Mastic	6" Beige/Brown	1
VV	Insulator	Black & Gray, Electrical Box	1
WW	Gasket	Black, Light	1
XX	Vinyl Floor Tile/Mastic	12" Beige/Black	2
YY	Basecove/Mastic	4" Black/Brown	2
ZZ	Paint/Concrete/Skim Coat	White/White/Gray	7
A3	Concrete Masonry Unit/Mortar	Beige/Gray	2
B3	Ceramic Tile/Mortar	1" Brown/Gray	1
C3	Paint/Plaster	White/Gray, Ceiling	2
D3	Glazing	Black & White, Windows on Doors	2
E3	Gasket	Red, Pipe	1
F3	Insulator Paper	Gray & Brown, Electrical Box	1
G3	Insulation	Brown, Fire Door	1
H3	Jacketing	Silver & Black, Fiberglass Pipe	1
I3	Felt/Tar	Black, Black, Vapor Barrier	1
J3	Insulation	Brown, Fire Door	1
K3	Insulation	Boiler	3
L3	Jacketing	White, Fiberglass Tank	1
M3	Brick	Red, Boiler	1
N3	Refractory	Beige, Boiler Doors	1
O3	Gasket	Black, Round	1

**BUILDING 4953
ASBESTOS SAMPLING INVENTORY**

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
P3	Gasket	Red, Round	1
Q3	Packing	Brown, Between Brick & Boiler	1
R3	Brick	Beige, Refractory	1
S3	Gasket	Brown	Assumed
T3	Felt/Tar	Black/Black, Vapor Barrier	1
U3	Insulation	White, Wire	1
V3	Patching	White, CMU Wall	1
W3	Gasket	White, Toilet	1
X3	Paint/Concrete/Skim Coat	White/White/Gray	14
Y3	Paint/Concrete/Skim Coat	White/White/Gray	9
Z3	Paint/Concrete/Skim Coat	White/White/Gray	9



LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-XRF ROOM
	-PCB SAMPLE LOCATIONS





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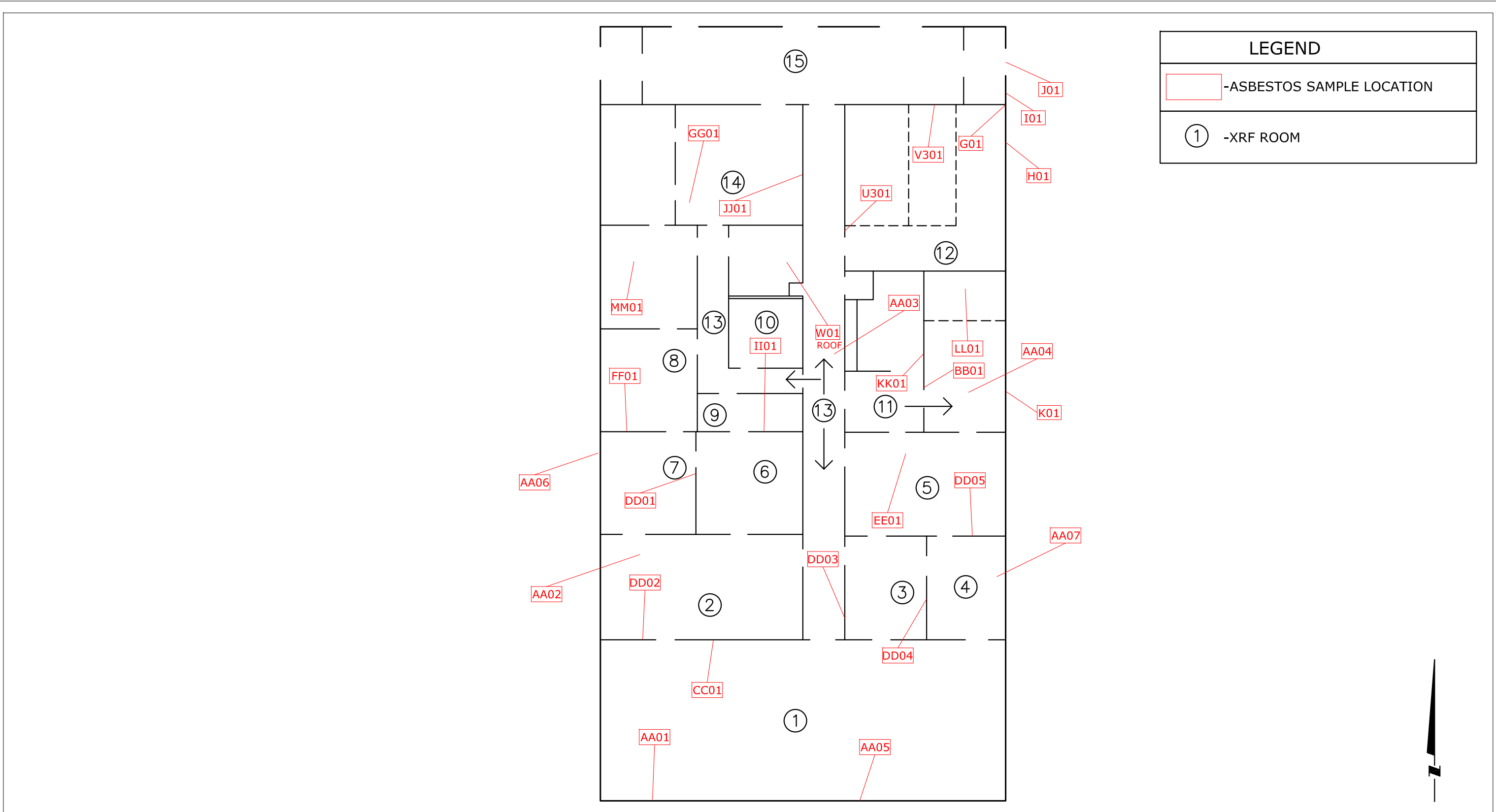
 510-346-8860

PROJECT TITLE
 FORA STOCKADE COMPLEX

SHEET TITLE
 4953 BASEMENT SAMPLE LOCATIONS

SCALE:
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 DATE: 05/01/17
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FIGURE
 1



LEGEND	
	-ASBESTOS SAMPLE LOCATION
①	-XRF ROOM



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PROJECT TITLE
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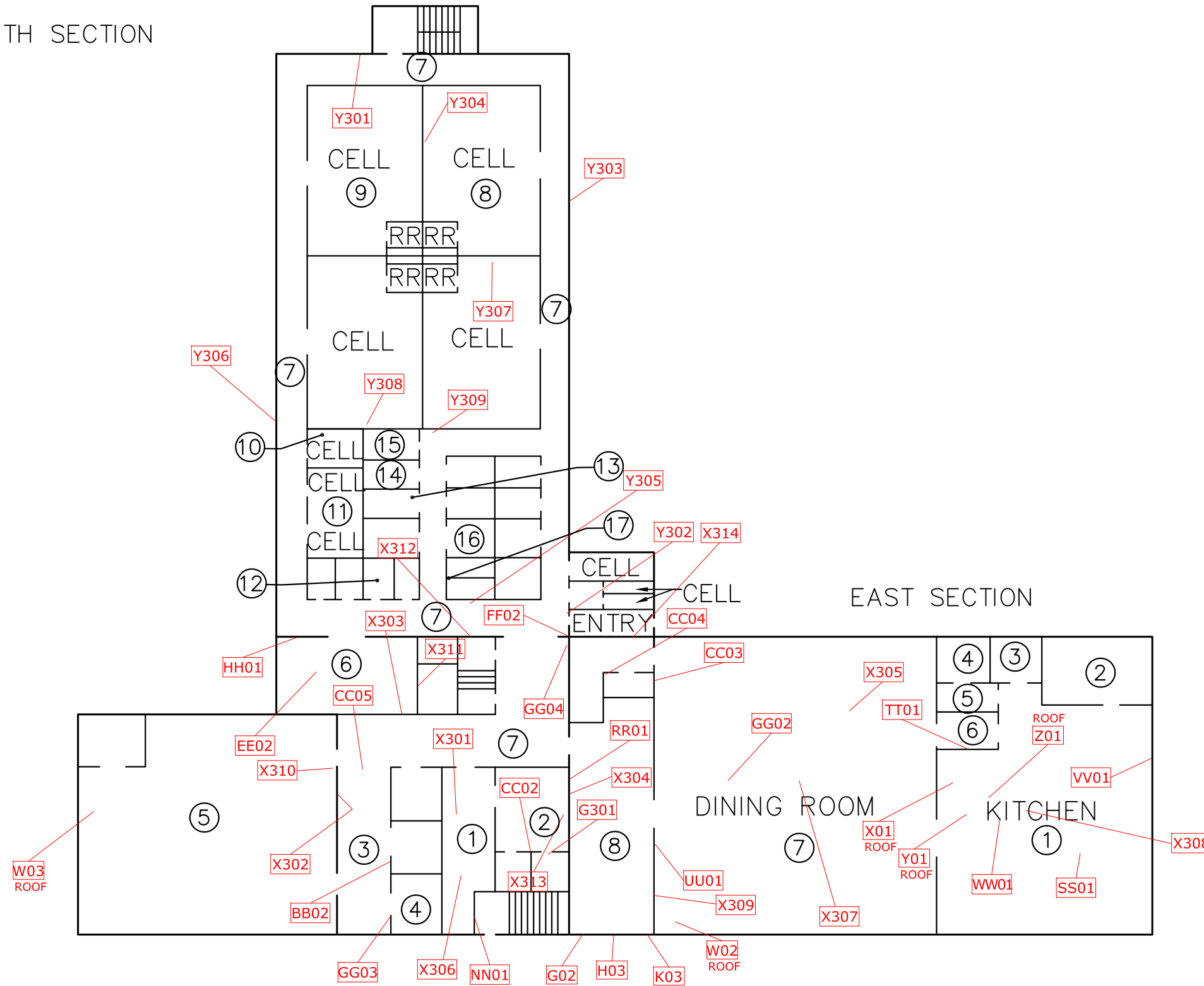
SHEET TITLE
 4953
 1ST FLOOR – SOUTH SECTION
 SAMPLE LOCATIONS

SCALE:
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 CHECKED BY: CB
 PROJECT No.
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FIGURE
 2

NORTH SECTION

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-XRF ROOM





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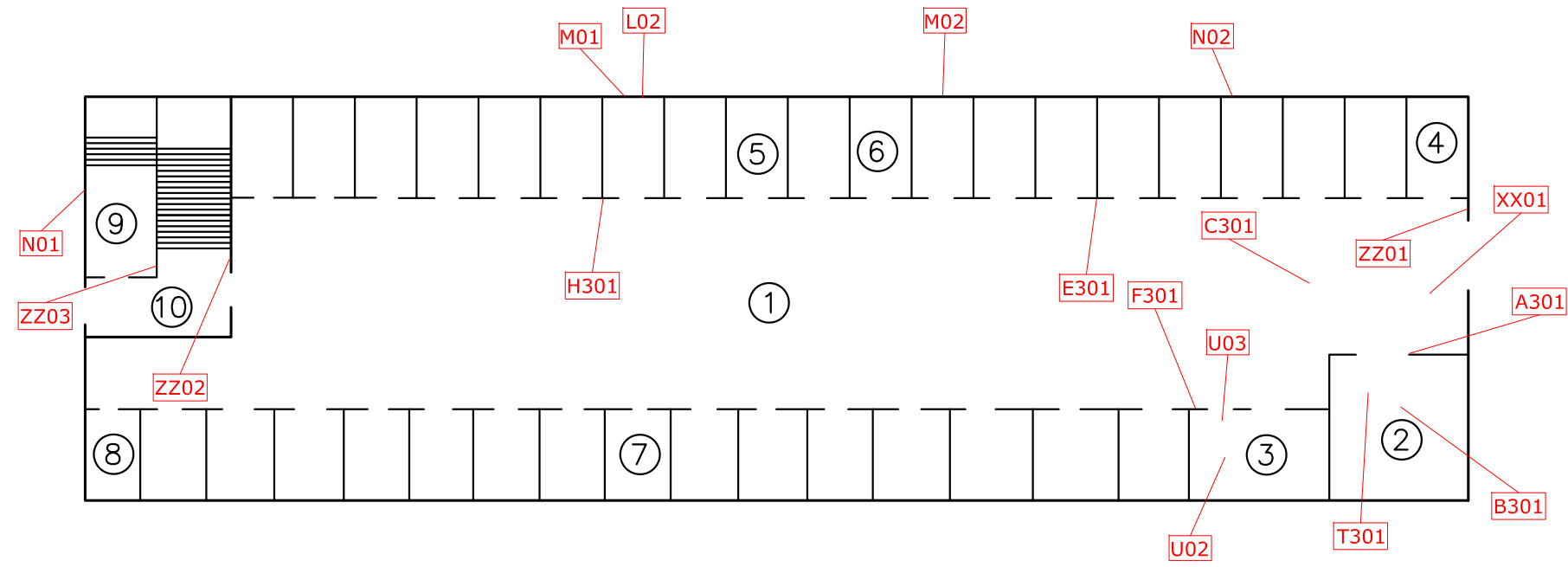
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 FORA STOCKADE COMPLEX

SHEET TITLE
 4953
 1ST FLOOR – NORTH AND EAST SECTIONS
 SAMPLE LOCATIONS

SCALE:
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 DATE: 05/01/17
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FIGURE
 3

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-XRF ROOMS





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PROJECT TITLE
 FORA STOCKADE COMPLEX

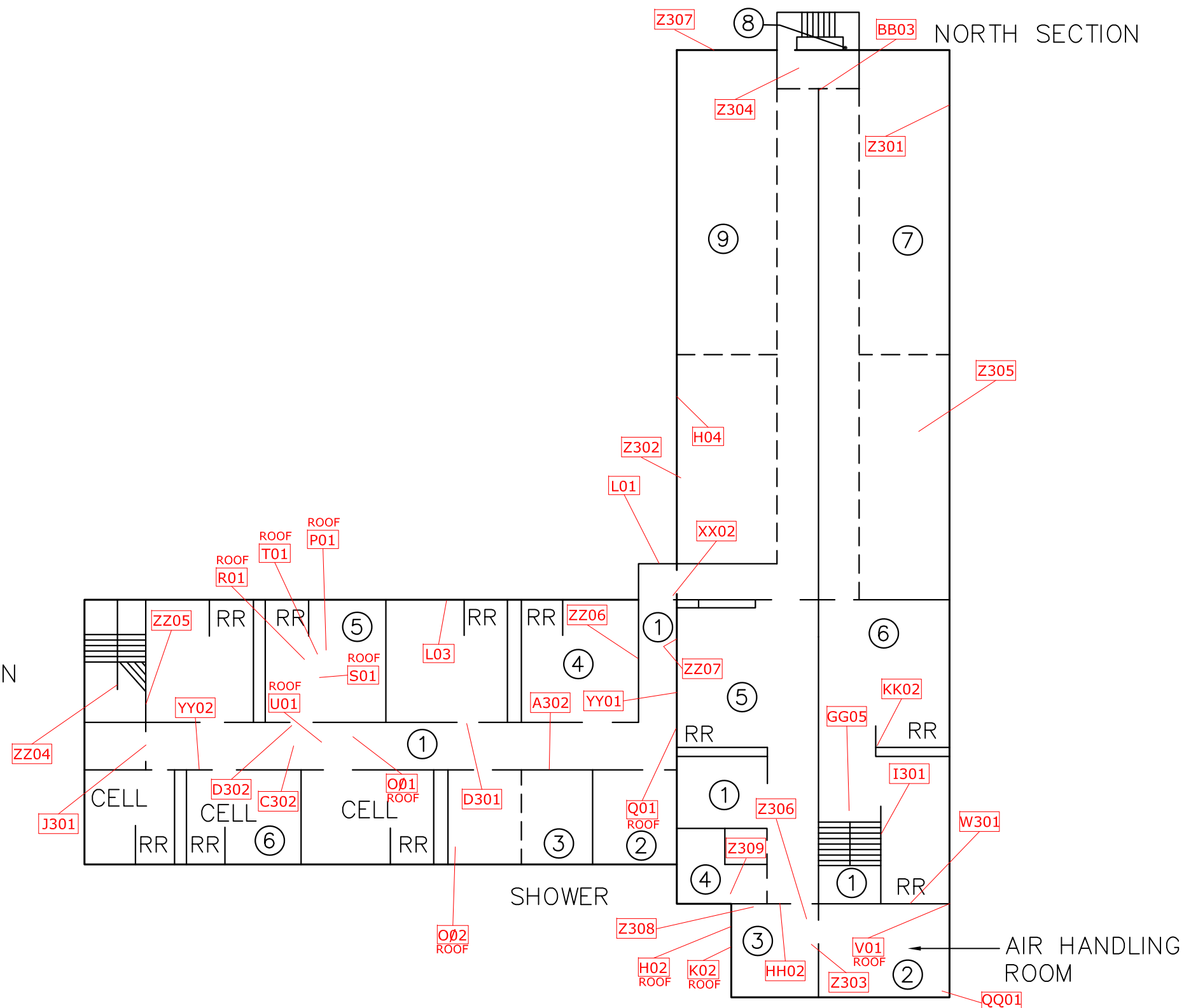
SHEET TITLE
 4953
 1ST FLOOR – WEST SECTION
 SAMPLE LOCATIONS

SCALE:
 DRAWN BY: ADF
 CHECKED BY: CB
 PROJECT No.
 DATE: 05/01/17
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FIGURE
 4

WEST SECTION

NORTH SECTION



LEGEND	
	-ASBESTOS SAMPLE LOCATION
①	-XRF ROOM

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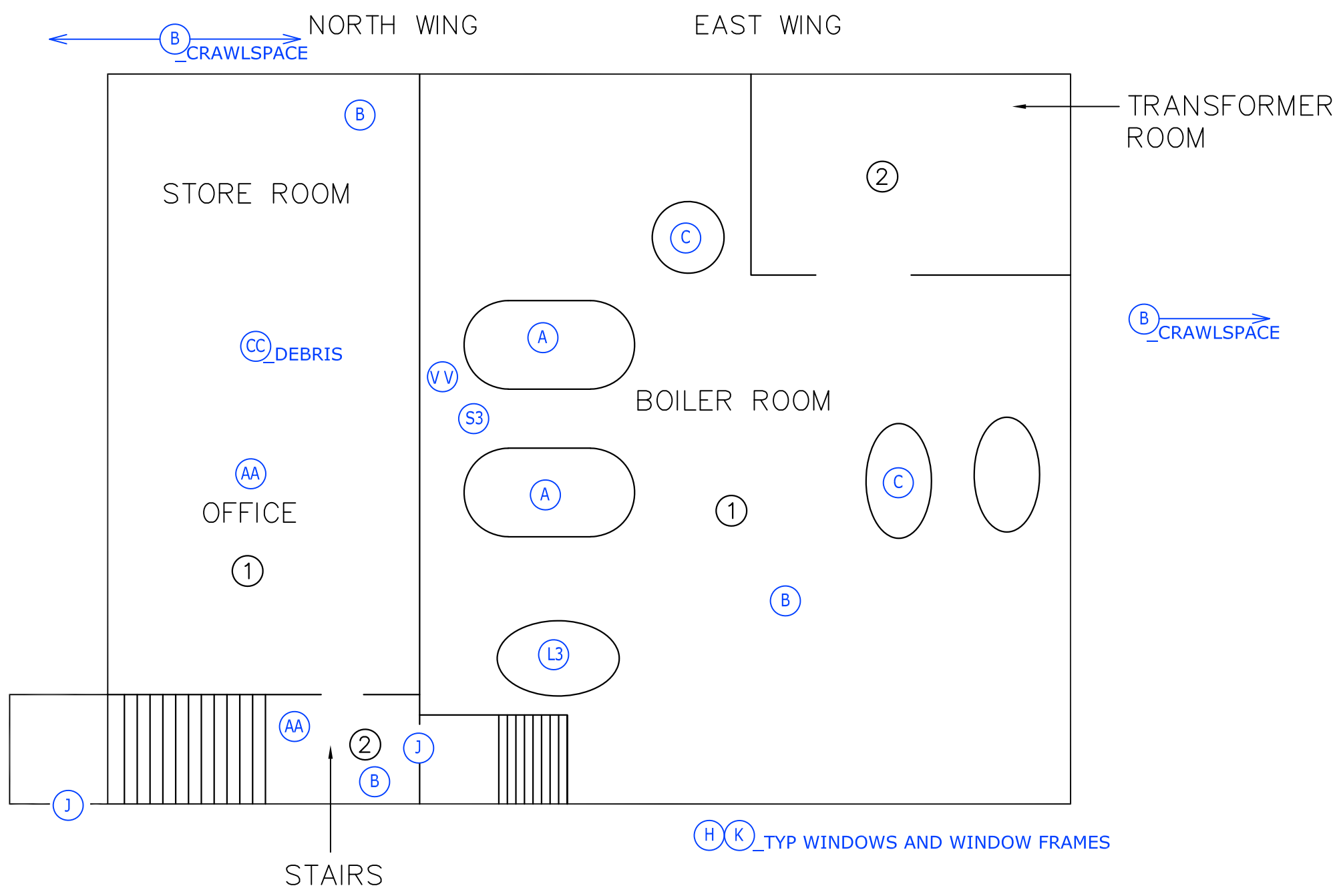
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 4953
 2ND FLOOR – NORTH AND WEST SECTIONS SAMPLING LOCATIONS

SCALE:
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 PROJECT No.
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FIGURE
 5



LEGEND	
	-ASBESTOS MATERIAL LOCATION
	-XRF ROOM



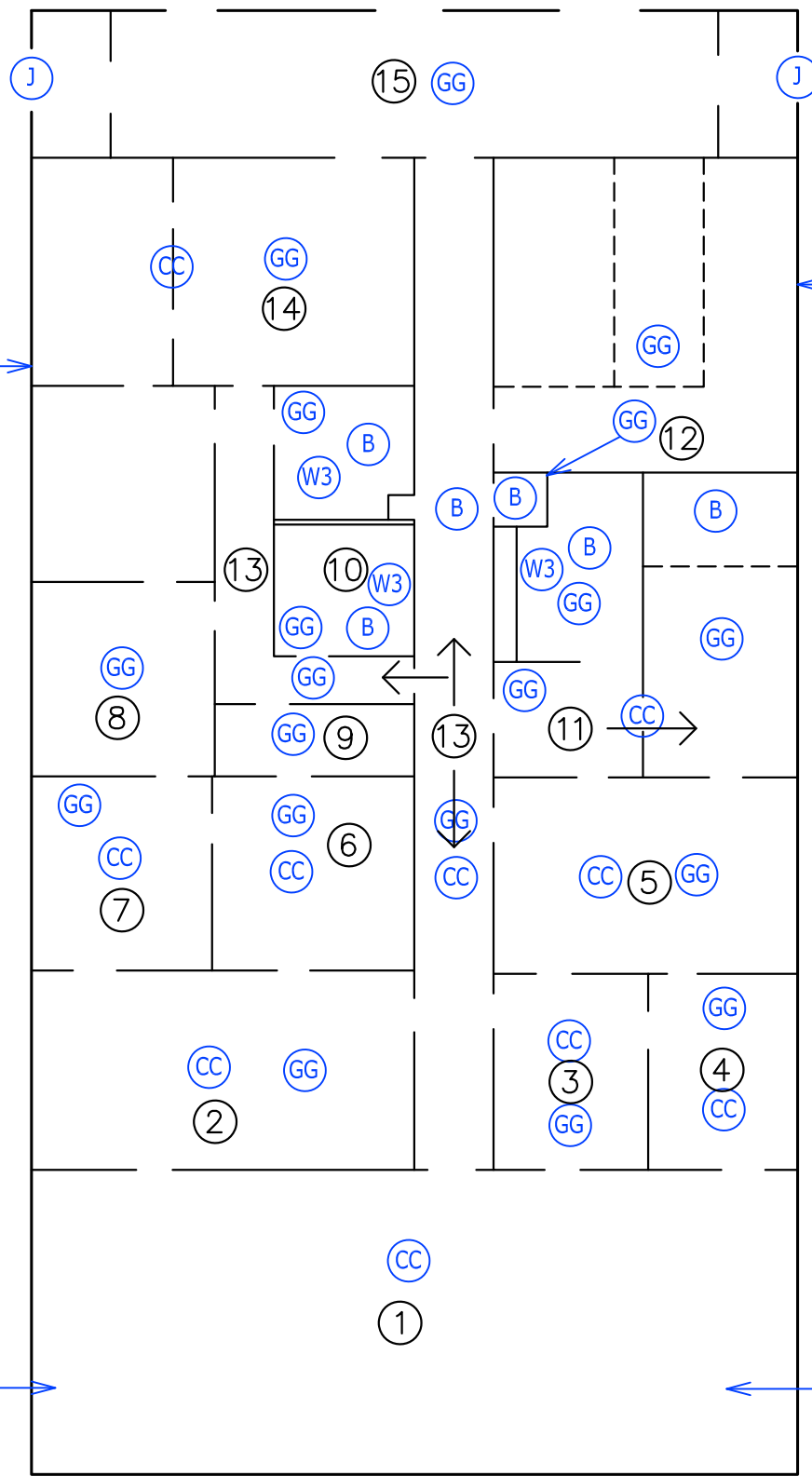
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PROJECT TITLE
 FORA STOCKADE COMPLEX

SHEET TITLE
 4953 BASEMENT
 ASBESTOS-CONTAINING MATERIAL LOCATIONS

SCALE:
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 PROJECT No.
 DATE: 05/01/17
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FIGURE
 6



LEGEND	
	-ASBESTOS MATERIAL LOCATION
	-XRF ROOM

(H)(K) _TYP WINDOWS AND WINDOW FRAMES

(H)(K) _TYP WINDOWS AND WINDOW FRAMES

(AA) _TYP THROUGHOUT

(F) _TYP ROOF

(B) _CRAWLSPACE

(B) _CRAWLSPACE



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PROJECT TITLE
 FORA STOCKADE COMPLEX

SHEET TITLE
 4953
 1ST FLOOR - SOUTH SECTION
 ASBESTOS-CONTAINING MATERIAL LOCATIONS

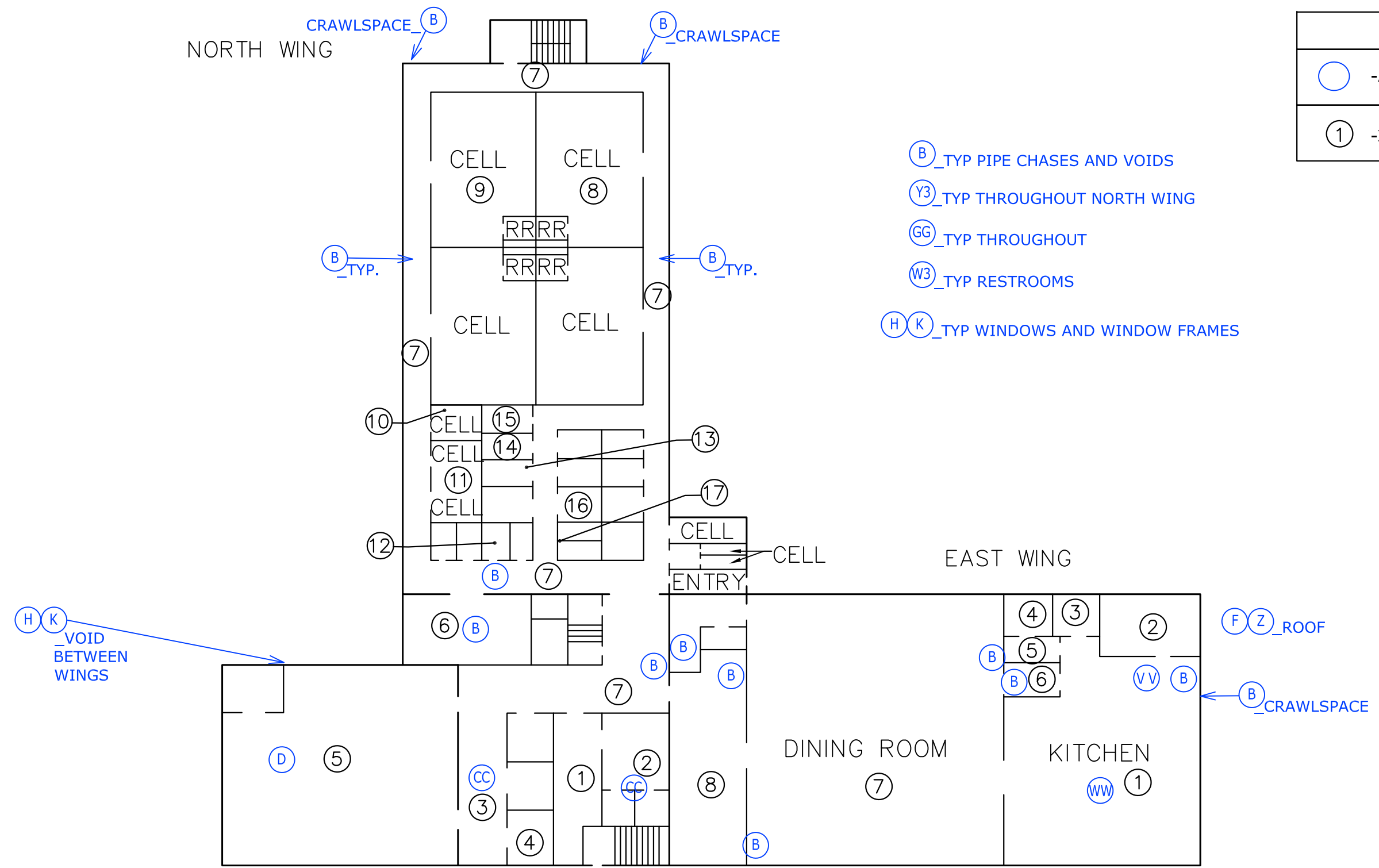
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FIGURE
 7

NORTH WING
 CRAWLSPACE_B
 B_CRAWLSPACE

LEGEND	
○	-ASBESTOS MATERIAL LOCATION
①	-XRF ROOM

- B_TYP PIPE CHASES AND VOIDS
- Y3_TYP THROUGHOUT NORTH WING
- GG_TYP THROUGHOUT
- W3_TYP RESTROOMS
- H K_TYP WINDOWS AND WINDOW FRAMES





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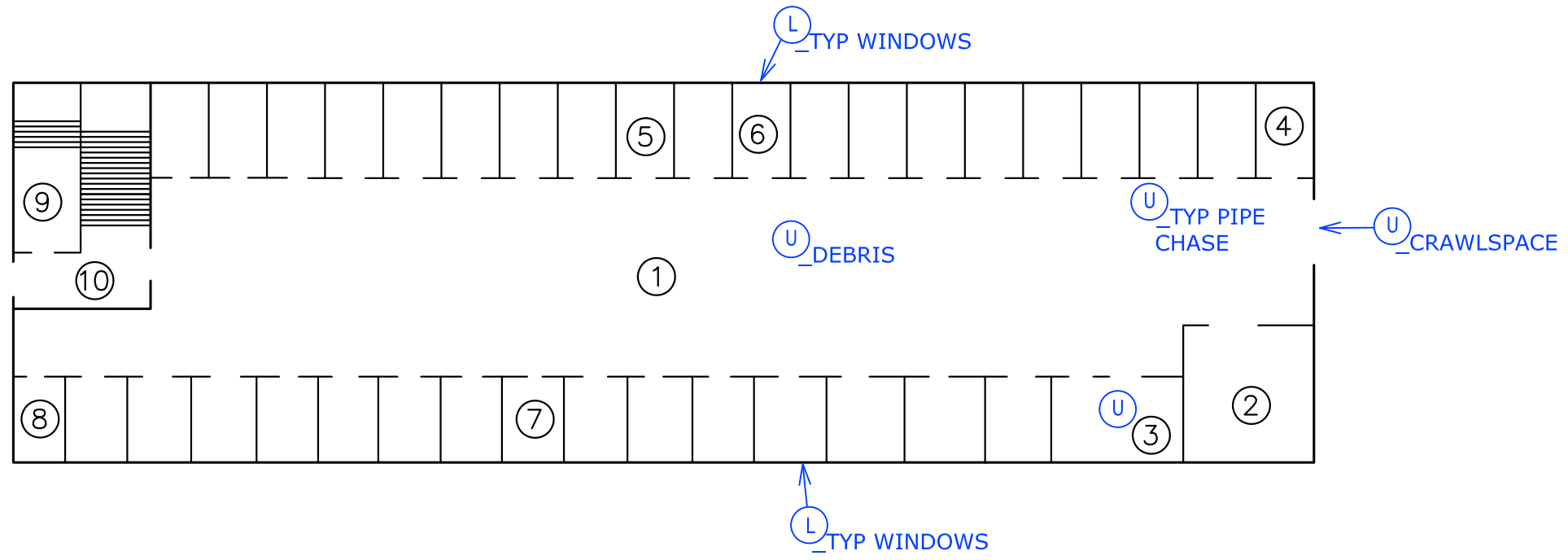
PROJECT TITLE
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SHEET TITLE
 4953
 1ST FLOOR – NORTH AND EAST SECTIONS
 ASBESTOS-CONTAINING MATERIAL LOCATIONS

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FIGURE
 8

LEGEND	
	-ASBESTOS MATERIAL LOCATION
	-XRF ROOMS



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SHEET TITLE
 4953
 1ST FLOOR – WEST SECTION
 ASBESTOS-CONTAINING MATERIAL LOCATIONS

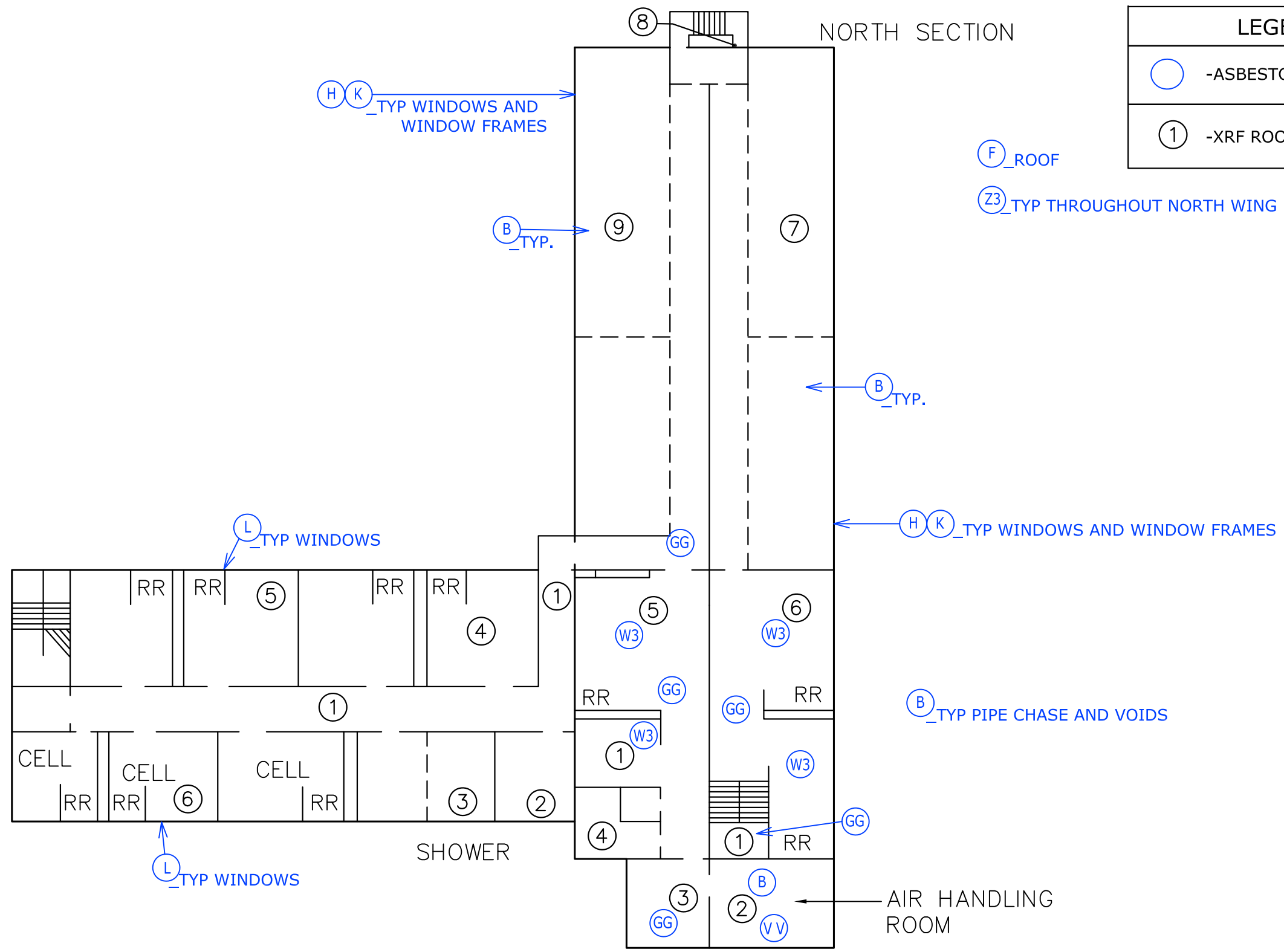
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FIGURE
 9

WEST SECTION

U_TYP PIPE CHASE AND VOIDS

E P U _ROOF



LEGEND	
○	-ASBESTOS MATERIAL LOCATION
①	-XRF ROOM

F_ROOF

Z3_TYP THROUGHOUT NORTH WING

H K_TYP WINDOWS AND WINDOW FRAMES

B_TYP PIPE CHASE AND VOIDS

AIR HANDLING ROOM



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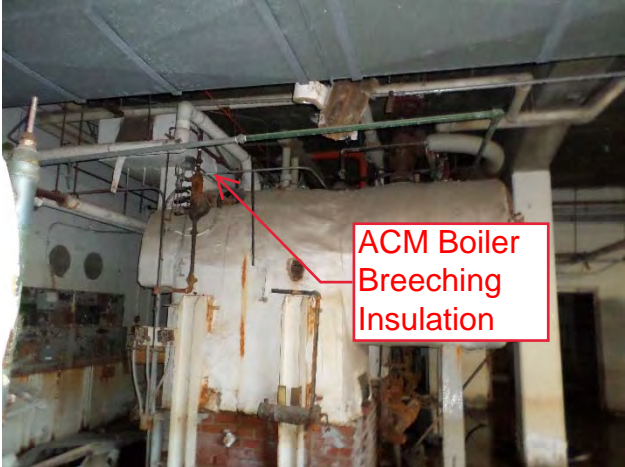
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SHEET TITLE
 4953
 2ND FLOOR – NORTH AND WEST SECTIONS
 ASBESTOS-CONTAINING MATERIAL LOCATIONS

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FIGURE
 10

BUILDING 4953
PHOTO DOCUMENTATION



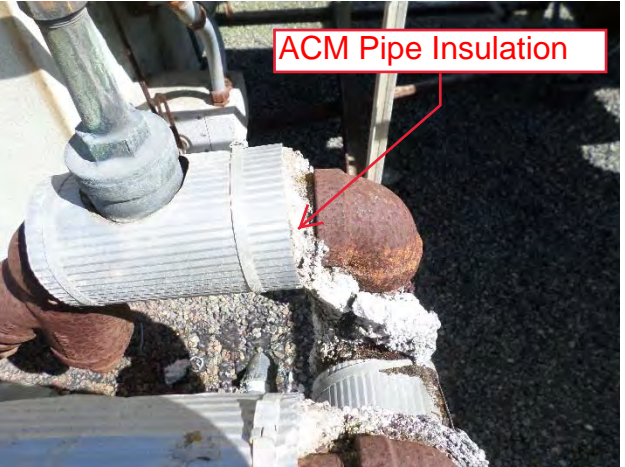
ACM Boiler
Breaching
Insulation



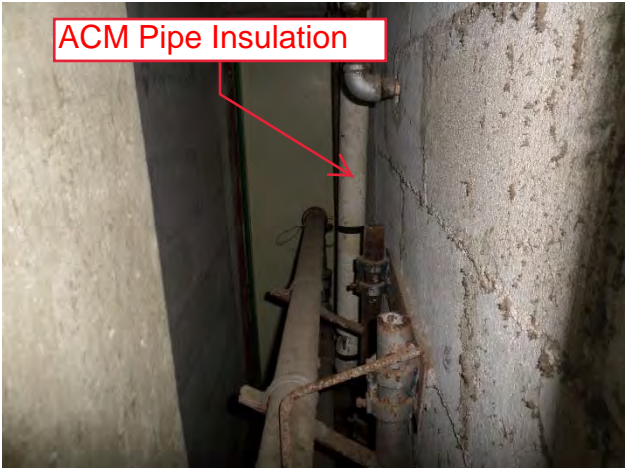
ACM Tank Insulation



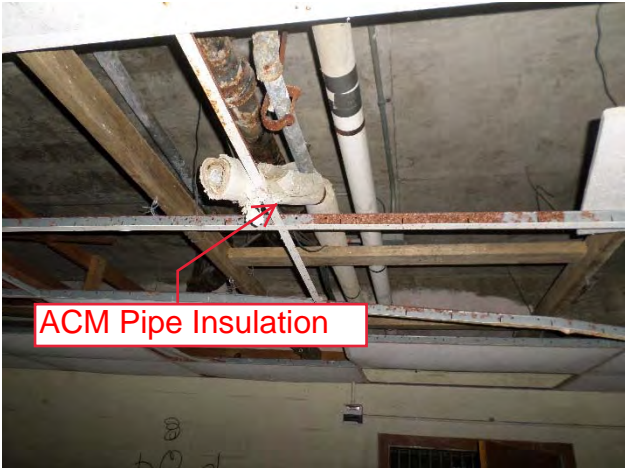
ACM Pipe Insulation



ACM Pipe Insulation

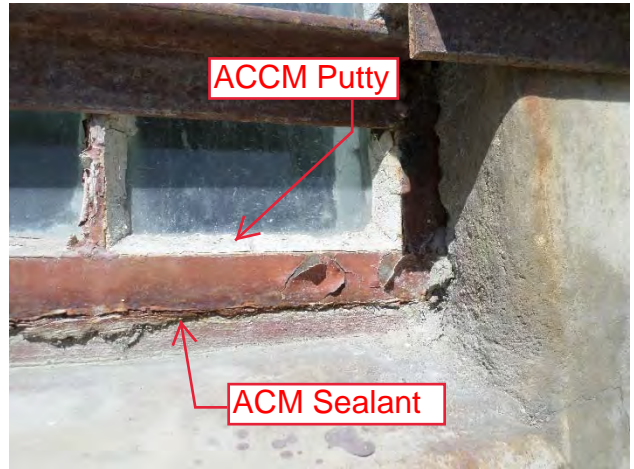


ACM Pipe Insulation

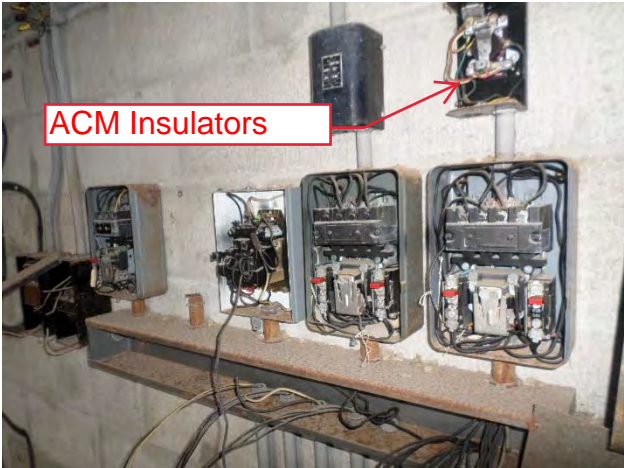


ACM Pipe Insulation

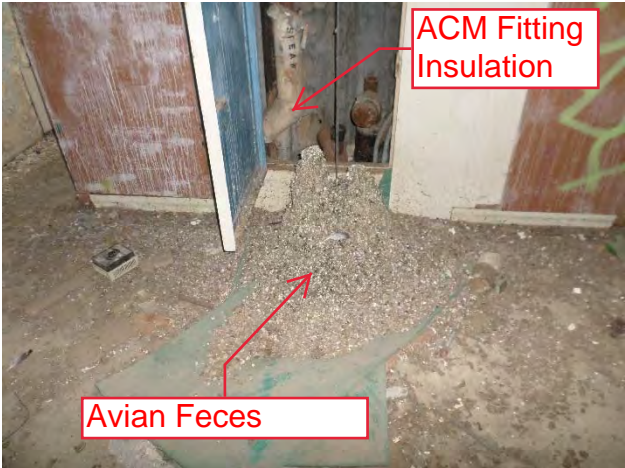
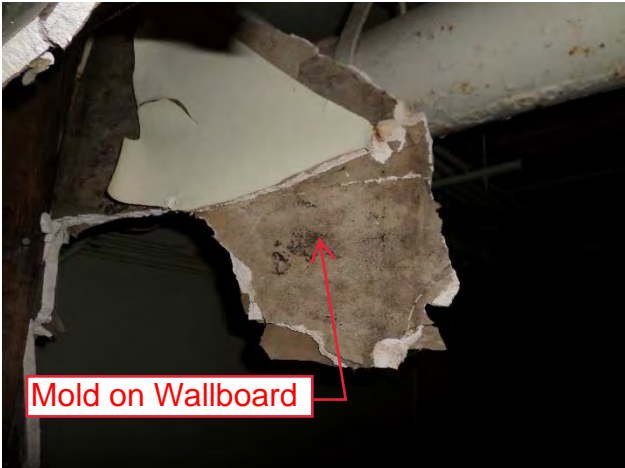
BUILDING 4953
PHOTO DOCUMENTATION



BUILDING 4953
PHOTO DOCUMENTATION



BUILDING 4953
PHOTO DOCUMENTATION



BUILDING 4953
PHOTO DOCUMENTATION





Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B237136
Date Received: 04/03/17
Date Analyzed: 04/06/17
Date Printed: 08/10/17
First Reported: 04/06/17

Job ID/Site: 17191001 - FORA, Stockale Bldg# 4953

FALI Job ID: L1161
Total Samples Submitted: 118
Total Samples Analyzed: 118

Date(s) Collected: 03/31/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-G-01	11875088						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-G-02	11875089						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-H-01	11875090						
Layer: Grey Putty		Chrysotile	Trace				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
4953-H-02	11875091						
Layer: Grey Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-H-03	11875092						
Layer: Grey Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-H-04	11875093						
Layer: Grey Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-I-01	11875094						
Layer: Grey Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Vista Environmental Consultants

Report Number: B237136

Date Printed: 08/10/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-J-01	11875095						
Layer: Grey Fibrous Material		Chrysotile	60 %				
Total Composite Values of Fibrous Components:		Asbestos (60%)					
Cellulose (35 %)							
4953-K-01	11875096						
Layer: Grey Non-Fibrous Material		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4953-K-02	11875097						
Layer: Grey Non-Fibrous Material		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4953-K-03	11875098						
Layer: Grey Non-Fibrous Material		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4953-L-01	11875099						
Layer: Grey Putty		Chrysotile	Trace				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
4953-L-02	11875100						
Layer: Grey Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-L-03	11875101						
Layer: Grey Putty			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-M-01	11875102						
Layer: Grey Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-M-02	11875103						
Layer: Grey Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Vista Environmental Consultants

Report Number: B237136

Date Printed: 08/10/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-N-01	11875104						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-N-02	11875105						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-O-01	11875106						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %) Fibrous Glass (40 %)							
Comment: Bulk complex sample.							
4953-O-02	11875107						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %) Fibrous Glass (40 %)							
Comment: Bulk complex sample.							
4953-P-01	11875108						
Layer: Grey Mastic		Chrysotile	10 %				
Total Composite Values of Fibrous Components:		Asbestos (10%)					
Cellulose (Trace)							
4953-Q-01	11875109						
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Brown Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %) Fibrous Glass (45 %)							
4953-R-01	11875110						
Layer: Black Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (50 %)							

Client Name: Vista Environmental Consultants

Report Number: B237136

Date Printed: 08/10/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-S-01	11875111						
Layer: White Tape							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (90 %)							
4953-T-01	11875112						
Layer: Brown Fibrous Material							ND
Layer: White Woven Material							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %)	Fibrous Glass (90 %)						
4953-U-01	11875113						
Layer: White Semi-Fibrous Material		Amosite					2 %
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)	Fibrous Glass (35 %)						
4953-U-02	11875114						
Layer: White Semi-Fibrous Material		Amosite					2 %
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)	Fibrous Glass (35 %)						
4953-U-03	11875115						
Layer: White Semi-Fibrous Material		Amosite					2 %
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)	Fibrous Glass (35 %)						
4953-V-01	11875116						
Layer: Off-White Non-Fibrous Material							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-W-01	11875117						
Layer: Stones							ND
Layer: Black Tar							ND
Layer: Black Felt							ND
Layer: Black Tar							ND
Layer: Black Felt							ND
Layer: Black Tar							ND
Layer: Tan Fibrous Material							ND
Layer: Tan Foam							ND
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %)	Fibrous Glass (35 %)						
Comment: Bulk complex sample.							

Client Name: Vista Environmental Consultants

Report Number: B237136

Date Printed: 08/10/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-W-02	11875118						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Tan Fibrous Material			ND				
Layer: Tan Foam			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %) Fibrous Glass (35 %)							
Comment: Bulk complex sample.							
4953-W-03	11875119						
Layer: Stones			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Tan Fibrous Material			ND				
Layer: Tan Foam			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (10 %) Fibrous Glass (35 %)							
Comment: Bulk complex sample.							
4953-X-01	11875120						
Layer: White Roof Shingle			ND				
Layer: White Roof Shingle			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (5 %) Fibrous Glass (45 %)							
4953-Y-01	11875121						
Layer: Grey Woven Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (99 %)							
4953-Z-01	11875122						
Layer: Dark Brown Non-Fibrous Material		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace) Fibrous Glass (5 %) Synthetic (5 %)							
4953-AA-01	11875123						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-AA-02	11875124						
Layer: Grey Cementitious Material			ND				
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-X3-01	11875125						
Layer: Grey Cementitious Material			ND				
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-X3-02	11875126						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-X3-03	11875127						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-Y3-01	11875128						
Layer: White Skimcoat		Chrysotile	Trace				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
4953-Z3-01	11875129						
Layer: White Skimcoat		Chrysotile	Trace				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
4953-BB-01	11875130						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-BB-02	11875131						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-BB-03	11875132						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-CC-01	11875133						
Layer: White Drywall			ND				
Layer: White Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
4953-CC-02	11875134						
Layer: White Drywall			ND				
Layer: White Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
4953-CC-03	11875135						
Layer: White Drywall			ND				
Layer: Off-White Joint Compound		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (20 %) Fibrous Glass (10 %)							
4953-CC-04	11875136						
Layer: White Drywall			ND				
Layer: Off-White Joint Compound		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (20 %) Fibrous Glass (10 %)							
4953-CC-05	11875137						
Layer: White Drywall			ND				
Layer: Off-White Joint Compound		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (20 %) Fibrous Glass (10 %)							
4953-DD-01	11875138						
Layer: White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-DD-02	11875139						
Layer: White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-DD-03	11875140						
Layer: White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-DD-04	11875141						
Layer: White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-DD-05	11875142						
Layer: White Texture			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-EE-01	11875143						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
4953-EE-02	11875144						
Layer: Beige Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (35 %) Fibrous Glass (45 %)							
4953-FF-01	11875145						
Layer: Black Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-FF-02	11875146						
Layer: Black Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-GG-01	11875147						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-GG-02	11875148						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-GG-03	11875149						
Layer: Tan Tile			ND				
Layer: Black Mastic		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
4953-GG-04	11875150						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-GG-05	11875151						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-HH-01	11875152						
Layer: Brown Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-HH-02	11875153						
Layer: Brown Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-II-01	11875154						
Layer: White Non-Fibrous Material			ND				
Layer: Dark Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-JJ-01	11875155						
Layer: Tan Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (95 %)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-KK-01	11875156						
Layer: Beige Cementitious Material			ND				
Layer: Grey Grout			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-KK-02	11875157						
Layer: Beige Cementitious Material			ND				
Layer: Grey Grout			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-LL-01	11875158						
Layer: Brown Mastic			ND				
Layer: Grey Grout			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-MM-01	11875159						
Layer: Tan Carpet			ND				
Layer: Yellow Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Synthetic (85 %)							
4953-NN-01	11875160						
Layer: Tan Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-OO-01	11875161						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-PP-01	11875162						
Layer: Brown Mastic			ND				
Layer: Yellow Fibrous Tile			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (2 %) Fibrous Glass (90 %)							
4953-QQ-01	11875163						
Layer: White Fibrous Material			ND				
Layer: Brown Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (80 %) Fibrous Glass (10 %)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-QQ-02	11875164						
Layer: Yellow Fibrous Material			ND				
Layer: White Woven Material			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (70 %)							
4953-RR-01	11875165						
Layer: Black Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (60 %) Synthetic (10 %)							
4953-SS-01	11875166						
Layer: Red-Brown Ceramic Tile			ND				
Layer: Grey Grout			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-TT-01	11875167						
Layer: White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-UU-01	11875168						
Layer: Beige Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-VV-01	11875169						
Layer: Black Semi-Fibrous Material		Chrysotile	10 %				
Layer: Grey Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (7%)					
Cellulose (Trace)							
4953-WW-01	11875170						
Layer: Black Semi-Fibrous Material		Chrysotile	10 %				
Total Composite Values of Fibrous Components:		Asbestos (10%)					
Cellulose (Trace)							
4953-XX-01	11875171						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-XX-02	11875172						
Layer: Tan Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-YY-01	11875173						
Layer: Black Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-YY-02	11875174						
Layer: Black Non-Fibrous Material			ND				
Layer: Brown Mastic			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-ZZ-01	11875175						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-ZZ-02	11875176						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-ZZ-03	11875177						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-ZZ-04	11875178						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-ZZ-05	11875179						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-ZZ-06	11875180						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-ZZ-07	11875181						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-A3-01	11875182						
Layer: Beige Cementitious Material			ND				
Layer: Grey Mortar			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-A3-02	11875183						
Layer: Beige Cementitious Material			ND				
Layer: Grey Mortar			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-B3-01	11875184						
Layer: Brown Ceramic Tile			ND				
Layer: Grey Mortar			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-C3-01	11875185						
Layer: Grey Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-C3-02	11875186						
Layer: Grey Plaster			ND				
Layer: White Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-D3-01	11875187						
Layer: Black Non-Fibrous Material			ND				
Layer: Tan Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (2 %)							
4953-D3-02	11875188						
Layer: Black Non-Fibrous Material			ND				
Layer: Tan Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (2 %)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-E3-01	11875189						
Layer: Red Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-F3-01	11875190						
Layer: Grey Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (90 %)							
4953-G3-01	11875191						
Layer: Brown Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (95 %)							
4953-H3-01	11875192						
Layer: Black Tar			ND				
Layer: Off-White Fibrous Material			ND				
Layer: White Fibrous Material			ND				
Layer: Tan Fibrous Material			ND				
Layer: Silver Foil			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (20 %)							
4953-I3-01	11875193						
Layer: Black Woven Material			ND				
Layer: Black Tar			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (15 %)							
4953-J3-01	11875194						
Layer: Brown Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							
4953-K3-01	11875195						
Layer: Paint			ND				
Layer: Off-White Woven Material			ND				
Layer: Off-White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (35 %)							
4953-K3-02	11875196						
Layer: Paint			ND				
Layer: Off-White Woven Material			ND				
Layer: Off-White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (35 %)							

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-K3-03	11875197						
Layer: Paint			ND				
Layer: Off-White Woven Material			ND				
Layer: Off-White Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (35 %)						
4953-L3-01	11875198						
Layer: Yellow Fibrous Material			ND				
Layer: White Semi-Fibrous Material		Chrysotile	5 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (4%)					
Cellulose (Trace)	Fibrous Glass (10 %)						
4953-M3-01	11875199						
Layer: Red Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4953-N3-01	11875200						
Layer: Beige Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Fibrous Glass (Trace)							
4953-O3-01	11875201						
Layer: Black Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4953-P3-01	11875202						
Layer: Red Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-Q3-01	11875203						
Layer: Brown Semi-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)	Fibrous Glass (40 %)						
4953-R3-01	11875204						
Layer: Tan Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-T3-01	11875583						
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (15 %)							

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Report Number: B237136

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Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
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Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: N009284
Date Received: 04/03/17
Date Analyzed: 04/13/17
Date Printed: 10/03/17

Job ID/Site: 17191001 - FORA, Stockale Bldg# 4953

FALI Job ID: L1161

PLM Report Number: B237136

Total Samples Submitted: 7

Total Samples Analyzed: 7

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Sample ID	Lab Number	Layer Description
4953-H-01	11875090	Grey Putty
<i>Point Count Results:</i>		
Number of asbestos points counted:		1
Number of non-empty points:		400
Layer percentage of entire sample:		95
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		
4953-L-01	11875099	Grey Putty
<i>Point Count Results:</i>		
Number of asbestos points counted:		1
Number of non-empty points:		400
Layer percentage of entire sample:		95
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		
4953-Y3-01	11875128	White Skimcoat
<i>Point Count Results:</i>		
Number of asbestos points counted:		2
Number of non-empty points:		400
Layer percentage of entire sample:		95
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		

Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

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Sample ID	Lab Number	Layer Description
4953-Z3-01	11875129	White Skimcoat
<i>Point Count Results:</i>		
Number of asbestos points counted:		3
Number of non-empty points:		400
Layer percentage of entire sample:		95
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		
4953-CC-03	11875135	Composite of ALL Layers
White Drywall		
Off-White Joint Compound		
Paint		
<i>Point Count Results:</i>		
Number of asbestos points counted:		0
Number of non-empty points:		400
Layer percentage of entire sample:		100
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.		

Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

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Date Received: 04/03/17
Date Analyzed: 04/13/17
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Job ID/Site: 17191001 - FORA, Stockale Bldg# 4953

FALI Job ID: L1161

PLM Report Number: B237136

Total Samples Submitted: 7
Total Samples Analyzed: 7

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Sample ID	Lab Number	Layer Description
4953-CC-04	11875136	Composite of ALL Layers White Drywall Off-White Joint Compound

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

4953-CC-05	11875137	Composite of ALL Layers White Drywall Off-White Joint Compound
-------------------	----------	---

Point Count Results:

Number of asbestos points counted: 0
Number of non-empty points: 400
Layer percentage of entire sample: 100
Percent asbestos in layer: < 1

Asbestos type(s) detected: Chrysotile

Comment: Asbestos was detected but no points were counted due to counting criteria. Therefore quantitation deemed to be < 1%.

Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: N009284
Date Received: 04/03/17
Date Analyzed: 04/13/17
Date Printed: 10/03/17

Job ID/Site: 17191001 - FORA, Stockale Bldg# 4953

FALI Job ID: L1161

PLM Report Number: B237136

Total Samples Submitted: 7

Total Samples Analyzed: 7

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Sample ID	Lab Number	Layer Description
-----------	------------	-------------------

Note: Point count results are reported to the nearest percent per EPA method.



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification (LOQ) = 1%. Trace denotes the presence of asbestos below the LOQ. ND = None Detected.

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. 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 FALI. Forensic Analytical Laboratories Inc. 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. All samples were received in acceptable condition unless otherwise noted.



VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	G	01	Concrete	Gray, Foundation & walls		ORG
4953	G	02	↓	↓		
4953	H	01	Window Petty	White & Gray		
4953	H	02	↓	↓		
4953	H	03	↓	↓		
4953	H	04	↓	↓		
4953	I	01	GLAZING	White STOREFRONT		
4953	J	01	INSULATION	White, Fire door		
4953	K	01	SEALANT	Gray, WINDOW Frame		
4953	K	02	↓	↓		

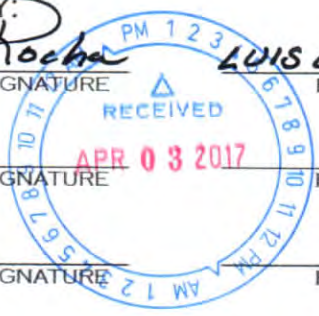
ANALYTICAL METHOD: PLM ~~ACFT-GENE~~ TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE LOUIS J ROCHA PRINTED NAME _____ DATE/TIME
 2. [Signature] TRANSFER SIGNATURE C MORENO PRINTED NAME _____ DATE/TIME
 3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME





VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	K	03	Sealant	GRAY, WINDOW FRAME		ORG
4953	L	01	WINDOW PUTTY	GRAY & WHITE		ADD
4953	L	02	↓	↓		↓
4953	L	03	↓	↓		↓
4953	M	01	Sealant	GRAY, WINDOW FRAME		
4953	M	02	↓	↓		
4953	N	01	Concrete	GRAY, WALLS & FOUNDATION		
4953	N	02	↓	↓		
4953	O	01	Roofing	Black, T & G		
4953	O	02	↓	↓		

ANALYTICAL METHOD: PLM ~~ACG~~ TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. Luis J Rocha TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME _____ DATE/TIME
 2. CJM TRANSFER SIGNATURE moreno PRINTED NAME _____ DATE/TIME
 3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME



ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	P	01	Mastic	Gray & Black Roof		Add
4953	Q	01	EXPANSION JOINT	Black & Brown		
4953	R	01	Flex Connector	Black, HVAC		(& ORG)
4953	S	01	Tape/Sealant	White/white, HVAC		
4953	T	01	Jacketing	white, Fiberglass Pipe		
4953	U	01	INSULATION	4" OD FITTING		
4953	U	02	↓	↓		↓
4953	U	03	↓	↓		↓
4953	V	01	Brick	off-white, Boiler Stack		ORG
4953	W	01	Roofing/ FOAM/ INSULATION	Black & B/Brown/Brown		↓

ANALYTICAL METHOD: PLM ~~48 HOURS~~ TURNAROUND TIME: SAME DAY 24HR 48HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. Luis J. Rocha TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME _____ DATE/TIME
2. cmoreno TRANSFER SIGNATURE cmoreno PRINTED NAME _____ DATE/TIME
3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME





VISTA ENVIRONMENTAL CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	W	02	ROOFING/FUAM INSULATION	Black T&G/Brown/Brown		ORG
4953	W	03	↓	↓		
4953	X	01	BASE CURB	Black, HVAC		
4953	Y	02	Flex CONNECTOR	Beige, HVAC		
4953	Z	03	Tape/Sealant	Gray/Gray, HVAC CURB		
4953	AA	01	PAINT / SKIM COAT	White / white & pink		
4953	AA	02	↓	↓		
4953	AA	03		CHANGED TO X301		
4953	AA	04		CHANGED TO X302		
4953	AA	05	↓	CHANGED TO X303		

mis-labeled
4-01
2-01
cym

ANALYTICAL METHOD: PLM ~~ASBESTOS~~ TURNAROUND TIME: SAME DAY 24HR 48HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. Luis J. Rocha TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME _____ DATE/TIME

2. cym TRANSFER SIGNATURE 1pm PRINTED NAME cmoreno DATE/TIME

3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME





2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

ASBESTOS BULK SAMPLE LOG

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	AA	06	PAINT / SKIMCOAT	White / white & Pink		ORG
4953	AA	07	↓	↓		
4953	BB	01	PAINT / CMU / GROUT	White / GRAY / GRAY		
4953	BB	02	↓	↓		
4953	BB	03	↓	↓		
4953	CC	01	WB/C	Gray & white / white		
4953	CC	02	↓	↓		
4953	CC	03	↓	↓		
4953	CC	04	↓	↓		
4953	CC	05	↓	↓		✓

ANALYTICAL METHOD: PLM ~~ACFT/SCINE~~ TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME _____ DATE/TIME
 2. [Signature] TRANSFER SIGNATURE cmoreno PRINTED NAME _____ DATE/TIME
 3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME





VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	DD	01	Texture Coat	White, small		ORG
4953	DD	02	↓	↓		↓
4953	DD	03	↓	↓		↓
4953	DD	04	↓	↓		↓
4953	DD	05	↓	↓		↓
4953	EE	01	ACP	2'x4' white, chicken feet		
4953	EE	02	↓	↓		
4953	FF	01	BC/m	4" Black/Brown		
4953	FF	02	↓	↓		
4953	GG	01	VFI/m	12" white & Brown/Black		↓

ANALYTICAL METHOD: PLM ~~ACFT/OSM~~ TURNAROUND TIME: SAME DAY 24HR 48 HR **3 DAY**

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. [Signature] PM 12015 J ROCHA
TRANSFER SIGNATURE PRINTED NAME DATE/TIME

2. [Signature] cmoreno
TRANSFER SIGNATURE PRINTED NAME DATE/TIME

3. _____
TRANSFER SIGNATURE PRINTED NAME DATE/TIME





VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	GG	02	VFF/M	12" white & Brown / Black		ORG
4953	GG	03	↓	↓		↓
4953	GG	04	↓	↓		↓
4953	GG	05	↓	↓		↓
4953	HH	01	BC/m	4" Brown / Brown		
4953	HH	02	↓	↓		
4953	II	01	BC/m	4" white / Black		
4953	JJ	01	Wall panel	/ Brown		
4953	KK	01	amu/grat	Beige / Gray		
4953	KK	02	↓	↓		↓

ANALYTICAL METHOD: PLM ~~ASBESTOS~~ TURNAROUND TIME: SAME DAY 24HR 48HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME _____ DATE/TIME _____
 2. [Signature] TRANSFER SIGNATURE removed PRINTED NAME _____ DATE/TIME _____
 3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME _____





ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)	
4953	LL	01	Mastic/GROUT	1" Brown/Flax		ORG	
4953	MM	01	Mastic	Yellow Carpet			
4953	NN	01	BC/M	4" TAN/Brown			
4953	OO	01	VET/MAS	12" OFF-White/Black			
4953	PP	01	ACT/MAS	12" White, Non-uniform tile/Brown			
4953	QQ	01	JACKETING	White & Black, FG PIPE			
4953	QQ	02	↓	↓			
4953	RR	01	INSULATION Paper	Gray & Black, Elec Box			
4953	SS	01	Tile/GROUT	4" Brown/Gray, Flax			
4953	TT	01	GLAZING	White, Window, IXT			✓

ANALYTICAL METHOD: PLM ~~4000~~ TURNAROUND TIME: SAME DAY 24HR 48HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. Luis J. Rocha RECEIVED
APR 03 2017
PM 1 56 18 LUIS J ROCHA _____
TRANSFER SIGNATURE PRINTED NAME DATE/TIME

2. Cym _____ Amoreno _____
TRANSFER SIGNATURE PRINTED NAME DATE/TIME

3. _____
TRANSFER SIGNATURE PRINTED NAME DATE/TIME



VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	VU	01	BC/m	6" Beige/Brown		ORG
4953	VV	01	INSULATOR	Black & Gray, Elec Box		↓
4953	WW	01	GASKET	Black, Light		↓
4953	XX	01	VFT/MAS	12" Beige/Black		ADD
4953	XX	02	↓	↓		↓
4953	YY	01	BC/m	4" Black/Brown		↓
4953	YY	02	↓	↓		↓
4953	ZZ	01	PAINT/SKIN COAT	White/white		↓
4953	ZZ	02	↓	↓		↓
4953	ZZ	03	↓	↓		↓

ANALYTICAL METHOD: PLM ~~400 FT OFFLINE~~ TURNAROUND TIME: SAME DAY 24HR 48HR **3 DAY**

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME _____ DATE/TIME _____
 2. [Signature] TRANSFER SIGNATURE Cmaena PRINTED NAME _____ DATE/TIME 1pm
 3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME _____





VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	22	04	Paint/skim coat	white/white		ADD
4953	22	05	↓	↓		↓
4953	22	06	↓	↓		↓
4953	22	07	↓	↓		↓
4953	A ³	01	CMU/MORTAR	Beige/GRAY		
4953	A ³	02	↓	↓		
4953	B ³	01	Ceramic/MORTAR	1" Brown/GRAY		
4953	C ³	01	Paint/plaster	White/GRAY, Ceiling		
4953	C ³	02	↓	↓		
4953	D ³	01	GLAZING	Black&white, window and door		

ANALYTICAL METHOD: PLM ~~400~~ TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE LOUIS J ROCHA PRINTED NAME _____ DATE/TIME _____
 2. [Signature] TRANSFER SIGNATURE cmoreno PRINTED NAME _____ DATE/TIME _____
 3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME _____





ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/31/17

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	D3	02	GLAZING	Black & white	windows on doors	ADD
4953	E3	01	GASKET	Red	PIPE	↓
4953	F3	01	INSULATION Paper	Gray & Brown	Elec Box	↓
4953	G3	01	INSULATION	Brown	Fire door	ORG
4953	H3	01	JACKETING	Silver & Black	FG PIPE	ADD
4953	I3	01	Felt/TAR	Black/Black	Vapor Barrier (W)	ORG
4953	J3	01	INSULATION	Brown	Fire door	ADD
4953	K3	01	INSULATION	White	Boiler	ORG
4953	K3	02	↓	↓		↓
4953	K3	03	↓	↓		↓

ANALYTICAL METHOD: PLM ~~4000~~ TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME _____ DATE/TIME
 2. [Signature] TRANSFER SIGNATURE cmoreno PRINTED NAME _____ DATE/TIME 1pm
 3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME





VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: _____

LOCATION: Stockade Bldg# 4953

PROJECT NUMBER: 17191001

SAMPLED BY: JR

CAC OR SST No: 02-3244

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	L3	01	Jacketing	White, FG Tank		
4953	M3	01	Brick	Red, Boiler		
4953	N3	01	Refractory	Beige, Boiler Doors		
4953	O3	01	Gasket	Black, Round		
4953	P3	01	Gasket	Red, Round, Babort Pipe		
4953	Q3	01	Packing	Brown, Boiler		
4953	R3	01	Brick	Beige, Refractory		
4953 4953	T3 T3	01	Water ↑ 118 Samples	Black/Black, under (B3)		
4953			Fattar			
4953						

ANALYTICAL METHOD: PLM ~~ACCP~~ TURNAROUND TIME: SAME DAY ~~4 HR~~ **3 DAY**

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: 3 DAYS TURNAROUND

CHAIN OF CUSTODY:

1. Luís J. Rocha TRANSFER SIGNATURE LUIS J ROCHA PRINTED NAME _____ DATE/TIME
 2. cmoreno TRANSFER SIGNATURE _____ PRINTED NAME cmoreno DATE/TIME 1pm
 3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME





Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.
San Leandro, CA 94577

Client ID: L1161
Report Number: B237391
Date Received: 04/06/17
Date Analyzed: 04/07/17
Date Printed: 04/07/17
First Reported: 04/07/17

Job ID/Site: 171091001 - FORA, Stockade-4953, Task 2

FALI Job ID: L1161
Total Samples Submitted: 2
Total Samples Analyzed: 2

Date(s) Collected: 04/06/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-U3-01	11876579						
Layer: Tan Woven Material			ND				
Layer: Blue Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (85 %)							
4953-V3-01	11876580						
Layer: White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 4/6/17

LOCATION: Stockade - 4953, TASK 2

PROJECT NUMBER: 171091001

SAMPLED BY: CB

CAC OR SST No: 92-0224

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	U3	01	Insulation	White, Wire		
4953	V3	01	Patching	White, CMU		

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: _____

CHAIN OF CUSTODY

1. _____
TRANSFER SIGNATURE

CHRIS BURNS
PRINTED NAME

4/6/17, 0900
DATE/TIME

2. _____
TRANSFER SIGNATURE

PRINTED NAME

DATE/TIME

3. _____
TRANSFER SIGNATURE

PRINTED NAME

DATE/TIME





Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.
San Leandro, CA 94577

Client ID: L1161
Report Number: B238294
Date Received: 04/24/17
Date Analyzed: 04/25/17
Date Printed: 04/25/17
First Reported: 04/25/17

Job ID/Site: 171091001 - FORA, Stockade Bldg. #4953

FALI Job ID: L1161
Total Samples Submitted: 1
Total Samples Analyzed: 1

Date(s) Collected: 04/21/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-W3-01	11883010						
Layer: Off-White Fibrous Material		Chrysotile	90 %				
Total Composite Values of Fibrous Components:		Asbestos (90%)					
Cellulose (2 %)							

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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. 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 FALI. Forensic Analytical Laboratories Inc. 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. All samples were received in acceptable condition unless otherwise noted.



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B244315
Date Received: 08/10/17
Date Analyzed: 08/14/17
Date Printed: 08/14/17
First Reported: 08/14/17

Job ID/Site: 171091002 - FORA, Stockade-4953

FALI Job ID: L1161
Total Samples Submitted: 29
Total Samples Analyzed: 29

Date(s) Collected: 10/10/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-AA-03	11922562						
Layer: White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4953-AA-04	11922563						
Layer: White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
4953-AA-05	11922564						
Layer: White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4953-AA-06	11922565						
Layer: White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
4953-AA-07	11922566						
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4953-AA-08	11922567						
Layer: White Skimcoat/Joint Compound		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4953-AA-09	11922568						
Layer: White Skimcoat/Joint Compound		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							

Client Name: Vista Environmental Consultants

Report Number: B244315

Date Printed: 08/14/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-X3-04	11922569						
Layer: Grey Cementitious Material			ND				
Layer: White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-X3-05	11922570						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-X3-06	11922571						
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-X3-07	11922572						
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-X3-08	11922573						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-X3-09	11922574						
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-Y3-02	11922575						
Layer: White Skimcoat/Joint Compound		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (Trace)					
4953-Y3-03	11922576						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-Y3-04	11922577						
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					

Client Name: Vista Environmental Consultants

Report Number: B244315

Date Printed: 08/14/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-Y3-05	11922578						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-Y3-06	11922579						
Layer: White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (2%)					
4953-Y3-07	11922580						
Layer: White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (2%)					
4953-Y3-08	11922581						
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-Y3-09	11922582						
Layer: White Non-Fibrous Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-Z3-02	11922583						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-Z3-03	11922584						
Layer: White Skimcoat			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-Z3-04	11922585						
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (ND)					
4953-Z3-05	11922586						
Layer: Off-White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components: Cellulose (Trace)		Asbestos (2%)					

Client Name: Vista Environmental Consultants

Report Number: B244315

Date Printed: 08/14/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4953-Z3-06	11922587						
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4953-Z3-07	11922588						
Layer: Off-White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4953-Z3-08	11922589						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Layer: Off-White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (Trace)					
Cellulose (Trace)							
4953-Z3-09	11922590						
Layer: Off-White Skimcoat		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: N009794
Date Received: 08/10/17
Date Analyzed: 08/25/17
Date Printed: 08/25/17

Job ID/Site: 171091002 - FORA, Stockade-4953

FALI Job ID: L1161
Total Samples Submitted: 13
Total Samples Analyzed: 13

PLM Report Number: B244315

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Sample ID	Lab Number	Layer Description
4953-AA-03	11922562	White Skimcoat
<i>Point Count Results:</i>		
Number of asbestos points counted:		3
Number of non-empty points:		400
Layer percentage of entire sample:		90
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		
4953-AA-04	11922563	White Skimcoat
<i>Point Count Results:</i>		
Number of asbestos points counted:		3
Number of non-empty points:		400
Layer percentage of entire sample:		20
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		
4953-AA-05	11922564	White Skimcoat
<i>Point Count Results:</i>		
Number of asbestos points counted:		2
Number of non-empty points:		400
Layer percentage of entire sample:		90
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		



Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: N009794
Date Received: 08/10/17
Date Analyzed: 08/25/17
Date Printed: 08/25/17

Job ID/Site: 171091002 - FORA, Stockade-4953

FALI Job ID: L1161
Total Samples Submitted: 13
Total Samples Analyzed: 13

PLM Report Number: B244315

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Sample ID	Lab Number	Layer Description
4953-AA-06	11922565	White Skimcoat
<i>Point Count Results:</i>		
Number of asbestos points counted:		3
Number of non-empty points:		400
Layer percentage of entire sample:		20
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		
4953-AA-08	11922567	White Skimcoat/Joint Compound
<i>Point Count Results:</i>		
Number of asbestos points counted:		3
Number of non-empty points:		400
Layer percentage of entire sample:		90
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		
4953-AA-09	11922568	White Skimcoat/Joint Compound
<i>Point Count Results:</i>		
Number of asbestos points counted:		2
Number of non-empty points:		400
Layer percentage of entire sample:		90
Percent asbestos in layer:		< 1
Asbestos type(s) detected:	Chrysotile	
Comment:		

Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: N009794
Date Received: 08/10/17
Date Analyzed: 08/25/17
Date Printed: 08/25/17

Job ID/Site: 171091002 - FORA, Stockade-4953

FALI Job ID: L1161
Total Samples Submitted: 13
Total Samples Analyzed: 13

PLM Report Number: B244315

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Sample ID	Lab Number	Layer Description
4953-Y3-02	11922575	White Skimcoat/Joint Compound

Point Count Results:

Number of asbestos points counted:	2
Number of non-empty points:	400
Layer percentage of entire sample:	5
Percent asbestos in layer:	< 1

Asbestos type(s) detected: Chrysotile

Comment:

4953-Y3-06	11922579	White Skimcoat
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Point Count Results:

Number of asbestos points counted:	3
Number of non-empty points:	400
Layer percentage of entire sample:	90
Percent asbestos in layer:	< 1

Asbestos type(s) detected: Chrysotile

Comment:

4953-Y3-07	11922580	White Skimcoat
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Point Count Results:

Number of asbestos points counted:	3
Number of non-empty points:	400
Layer percentage of entire sample:	90
Percent asbestos in layer:	< 1

Asbestos type(s) detected: Chrysotile

Comment:

Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: N009794
Date Received: 08/10/17
Date Analyzed: 08/25/17
Date Printed: 08/25/17

Job ID/Site: 171091002 - FORA, Stockade-4953

FALI Job ID: L1161
Total Samples Submitted: 13
Total Samples Analyzed: 13

PLM Report Number: B244315

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Sample ID	Lab Number	Layer Description
4953-Z3-05	11922586	Off-White Skimcoat

Point Count Results:

Number of asbestos points counted:	2
Number of non-empty points:	400
Layer percentage of entire sample:	90
Percent asbestos in layer:	< 1

Asbestos type(s) detected: Chrysotile

Comment:

4953-Z3-07	11922588	Off-White Skimcoat
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Point Count Results:

Number of asbestos points counted:	3
Number of non-empty points:	400
Layer percentage of entire sample:	90
Percent asbestos in layer:	< 1

Asbestos type(s) detected: Chrysotile

Comment:

4953-Z3-08	11922589	Off-White Skimcoat
-------------------	----------	---------------------------

Point Count Results:

Number of asbestos points counted:	3
Number of non-empty points:	400
Layer percentage of entire sample:	35
Percent asbestos in layer:	< 1

Asbestos type(s) detected: Chrysotile

Comment:

Bulk Asbestos Point Count Analysis

(NESHAP Final Rule, 40 CFR, Part 61)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: N009794
Date Received: 08/10/17
Date Analyzed: 08/25/17
Date Printed: 08/25/17

Job ID/Site: 171091002 - FORA, Stockade-4953

FALI Job ID: L1161
Total Samples Submitted: 13
Total Samples Analyzed: 13

PLM Report Number: B244315

Sample Preparation and Analysis:

The NESHAP Final Rule does not define the preparation method for multi-layered samples. In order to determine the composite quantity of asbestos, the volume percent of each layer is determined, the asbestos containing layers are analyzed by point counting and the composite quantity of asbestos is calculated. The NESHAP Final Rule can not be applied to matrices that dissolve in refractive index liquid. This includes tar, mastic or adhesive typically found on the back of floor tiles. According to the NESHAP Final Rule, point count data is only necessary when the visual estimate of asbestos is below 10%.

Sample ID	Lab Number	Layer Description
4953-Z3-09	11922590	Off-White Skimcoat

Point Count Results:

Number of asbestos points counted:	3
Number of non-empty points:	400
Layer percentage of entire sample:	90
Percent asbestos in layer:	< 1

Asbestos type(s) detected: Chrysotile

Comment:

Note: Point count results are reported to the nearest percent per EPA method.



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification (LOQ) = 1%. Trace denotes the presence of asbestos below the LOQ. ND = None Detected.

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VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 10/10/17

LOCATION: Stockade - 4953

PROJECT NUMBER: 171091002

SAMPLED BY: CB

CAC OR SST No: 92-0224

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	AA	03	PAINT/Concrete SKIM COAT	White/white/Gray	South Wing	Ceiling
4953	AA	04				Ceiling
4953	AA	05				Wall
4953	AA	06				Wall
4953	AA	07				Wall
4953	AA	08				Column
4953	AA	09				Column
4953	X3	04			Eastwing	Column
4953	X3	05				Column
4953	X3	06				Ceiling

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO:

CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS:

CHAIN OF CUSTODY:

1. [Signature]
TRANSFER SIGNATURE

Chris Burns
PRINTED NAME

10/10/17, 1300
DATE/TIME

2. [Signature]
TRANSFER SIGNATURE

CMoreno
PRINTED NAME

d/o 150pm
DATE/TIME

3. _____
TRANSFER SIGNATURE

PRINTED NAME

DATE/TIME



VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 10/10/17

LOCATION: Stockade - 4953

PROJECT NUMBER: 171091002

SAMPLED BY: CB

CAC OR SST No: 92-0224

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4953	X3	07	PAINT/Concrete SKIM COAT	white/white/Gray	EAST WING	Ceiling
4953	X3	08	↓	↓	↓	Ceiling
4953	X3	09	↓	↓	↓	WALL
4953	Y3	02	↓	↓	NORTH WING, 1ST FL	Column
4953	Y3	03	↓	↓	↓	Column
4953	Y3	04	↓	↓	↓	Column
4953	Y3	05	↓	↓	↓	Ceiling
4953	Y3	06	↓	↓	↓	Ceiling
4953	Y3	07	↓	↓	↓	Ceiling
4953	Y3	08	↓	↓	↓	Wall

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: _____

CHAIN OF CUSTODY:

1.		Chris Burns	10/10/17, 1300
	TRANSFER SIGNATURE	PRINTED NAME	DATE/TIME
2.		C. Moreno	10/10/17, 150pm
	TRANSFER SIGNATURE	PRINTED NAME	DATE/TIME
3.	_____	_____	_____
	TRANSFER SIGNATURE	PRINTED NAME	DATE/TIME



Bulk Asbestos Analysis

(EPA Method 600/M4-82-020 and 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Chris Burns
2984 Teagarden St.
San Leandro, CA 94577

Client ID: L1161
Report Number: B245036
Date Received: 08/23/17
Date Analyzed: 08/24/17
Date Printed: 08/24/17
First Reported: 08/24/17

Job ID/Site: 171091002 - FORA, Stockade, 4953

FALI Job ID: L1161
Total Samples Submitted: 5
Total Samples Analyzed: 5

Date(s) Collected: 08/22/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4593-X310	11927633						
Layer: Beige Skimcoat			ND				
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4593-X311	11927634						
Layer: Beige Skimcoat			ND				
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4593-X312	11927635						
Layer: Off-White Skimcoat			ND				
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4593-X314	11927636						
Layer: Beige Skimcoat			ND				
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4593-X315	11927637						
Layer: Beige Skimcoat			ND				
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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Client Name & Address: Vista Environmental Consulting 2984 Teagarden Street San Leandro, CA 94577		P.O. #: 171091002	Date: 8/22/17
Contact: Chris Burns		Turn Around Time: <input type="checkbox"/> hr / <input type="checkbox"/> 12hr / <input checked="" type="checkbox"/> 24hr / <input type="checkbox"/> 48hr / <input type="checkbox"/> Ext: _____	Due Date: 8/23/17 Due Time: EOD
Phone #: (510) 346-8860		<input checked="" type="checkbox"/> PLM: <input checked="" type="checkbox"/> Standard / <input type="checkbox"/> Point Count 400 <input type="checkbox"/> PCM: NIOSH 7400 <input type="checkbox"/> Point Count 1000	
Fax #: (888) 296-0271		<input type="checkbox"/> TEM Air: <input type="checkbox"/> AHERA / <input type="checkbox"/> Yamate2 / <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> TEM Bulk: <input type="checkbox"/> Quantitative / <input type="checkbox"/> Qualitative / <input type="checkbox"/> Chatfield <input type="checkbox"/> TEM Water: <input type="checkbox"/> Potable / <input type="checkbox"/> Non-Potable / <input type="checkbox"/> Wt % <input type="checkbox"/> TEM Microvac	
Site: FORA		<input type="checkbox"/> Special Project: _____	
Job: Stockade - 4953		<input type="checkbox"/> Metals Analysis: Method _____ Matrix: _____ Analytes: _____	

Comments / Email Reports To:
chrisburns@vista-env.com & molli@vista-env.com

Sample ID	Date/Time	Sample Location/Description	FOR AIR SAMPLES ONLY				Sample Area or Air Volume
			Type	Time On/Off	Avg. LPM	Total Time	
4953-X310	082217	Paint/Skim Coat - East Wing	<input type="checkbox"/> A <input type="checkbox"/> P <input checked="" type="checkbox"/> C				
4953-X311	082217	Paint/Skim Coat - East Wing	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
4953-X312	082217	Paint/Skim Coat - East Wing	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
4953-X313	082217	Paint/Skim Coat - East Wing	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
4953-X314	082217	Paint/Skim Coat - East Wing	<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				
			<input type="checkbox"/> A <input type="checkbox"/> P <input type="checkbox"/> C				

Sampled by: Chris Burns **Date:** 8/22/17 **Time:** 1000

Shipped via: Fed Ex Airborne UPS US Mail Courier Drop Off Other: _____

Relinquished by: <i>[Signature]</i> Date / Time: 8/22/17, 1230	Relinquished by: Date / Time:	Relinquished by: Date / Time:
Received by: <i>[Signature]</i> Date / Time: AUG 23 2017	Received by: Date / Time:	Received by: Date / Time:
Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No	Condition Acceptable? <input type="checkbox"/> Yes <input type="checkbox"/> No



Simone Hollister <shollister@falaboratories.com>

COC

Molli Rothman <molli@vista-env.com>
To: Simone Hollister <shollister@falaboratories.com>
Cc: Chris Burns <chrisburns@vista-env.com>

Wed, Aug 23, 2017 at 1:39 PM

Hi Simone,

1. Please see revised COC for Project 163017011 attached.
2. For the Project 171091002 COC the sample bags were mislabeled. Please re-label the bulk samples as follows:
 - a. Sample currently labeled 4953-X314 should be re-labeled as sample # 4953-X313
 - b. Sample currently labeled 4953-X315 should be re-labeled as sample # 3953-X314

Thank you very much for your help,

Molli

Molli Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
molli@vista-env.com



From: Simone Hollister [mailto:shollister@falaboratories.com]
Sent: Wednesday, August 23, 2017 12:53 PM
To: molli@vista-env.com
Subject: COC

[Quoted text hidden]

Jepson B_Revised COC_.pdf
247K

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
44					SHUTTER_CAL					4.18	cps
45					CALIBRATE				Positive	1	mg / cm ^2
46					CALIBRATE				Positive	1	mg / cm ^2
47					CALIBRATE				Positive	1.1	mg / cm ^2
48	4953	ROOF	OUTSIDE	WEST	HVAC	METAL	BEIGE	DETERIORATED	Negative	0.02	mg / cm ^2
49	4953	ROOF	OUTSIDE	WEST	VENT	METAL	GRAY	INTACT	Negative	0.01	mg / cm ^2
50	4953	ROOF	OUTSIDE	EAST	POLE	METAL	WHITE	INTACT	Negative	0.15	mg / cm ^2
51	4953	ROOF	OUTSIDE	WEST	WINDOW CASING	METAL	GREEN	DETERIORATED	Positive	7.2	mg / cm ^2
52	4953	ROOF	OUTSIDE	SOUTH	WINDOW CASING	METAL	BLUE	DETERIORATED	Positive	6.2	mg / cm ^2
53	4953	ROOF	OUTSIDE	SOUTH	WINDOW SILL	CONCRETE	BLUE	DETERIORATED	Negative	0.6	mg / cm ^2
54	4953	ROOF	OUTSIDE	EAST	VENT	METAL	GREEN	DETERIORATED	Negative	0.19	mg / cm ^2
55	4953	ROOF	OUTSIDE	SOUTH	VENT	METAL	GREEN	DETERIORATED	Negative	0	mg / cm ^2
57					CALIBRATE				Positive	1	mg / cm ^2
58					CALIBRATE				Positive	1	mg / cm ^2
59					CALIBRATE				Positive	1.2	mg / cm ^2
39					SHUTTER_CAL					4.33	cps
40					CALIBRATE				Positive	1.1	mg / cm ^2
41					CALIBRATE				Positive	1.1	mg / cm ^2
42					CALIBRATE				Positive	1.2	mg / cm ^2
43	4953	1E	OUTSIDE	SOUTH	WINDOW CASING	METAL	BEIGE	DETERIORATED	Positive	4.4	mg / cm ^2
44	4953	1E	OUTSIDE	SOUTH	WINDOW	METAL	BEIGE	DETERIORATED	Positive	3.5	mg / cm ^2
45	4953	1E	OUTSIDE	SOUTH	WINDOW SILL	CONCRETE	BEIGE	INTACT	Negative	0.06	mg / cm ^2
46	4953	1E	OUTSIDE	SOUTH	HAND RAIL	METAL	BROWN	DETERIORATED	Negative	0.15	mg / cm ^2
47	4953	1E	OUTSIDE	SOUTH	PIPE	METAL	WHITE	DETERIORATED	Negative	0.08	mg / cm ^2
48	4953	1E	OUTSIDE	SOUTH	WALL	CONCRETE	BROWN	INTACT	Negative	0.01	mg / cm ^2
49	4953	1E	OUTSIDE	SOUTH	WALL	CONCRETE	BLUE	INTACT	Negative	0	mg / cm ^2
50	4953	1E	OUTSIDE	SOUTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.02	mg / cm ^2
51	4953	1E	OUTSIDE	SOUTH	WALL	CONCRETE	BLACK	INTACT	Negative	0.01	mg / cm ^2
52	4953	1S	OUTSIDE	EAST	DOOR	METAL	BROWN	INTACT	Positive	2.1	mg / cm ^2
53	4953	1S	OUTSIDE	EAST	DOOR FRAME	METAL	BROWN	INTACT	Positive	2.9	mg / cm ^2
54	4953	1S	OUTSIDE		CEILING	WOOD	WHITE	DETERIORATED	Positive	4.2	mg / cm ^2
55	4953	1S	OUTSIDE	EAST	WINDOW	METAL	BEIGE	DETERIORATED	Positive	3.2	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
56	4953	1S	OUTSIDE	EAST	WINDOW CASING	METAL	BEIGE	DETERIORATED	Positive	5	mg / cm ^2
57	4953	1S	OUTSIDE	EAST	WINDOW, SECURITY	METAL	SILVER	DETERIORATED	Negative	0.01	mg / cm ^2
58	4953	1W	OUTSIDE	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.03	mg / cm ^2
59	4953	1E	OUTSIDE	EAST	WALL	CONCRETE	GRAY	DETERIORATED	Negative	0.5	mg / cm ^2
60	4953	1E	OUTSIDE	EAST	DOOR	METAL	GRAY	DETERIORATED	Positive	3.1	mg / cm ^2
61	4953	1E	OUTSIDE	EAST	DOOR FRAME	METAL	GRAY	DETERIORATED	Negative	0.03	mg / cm ^2
62	4953	1E	OUTSIDE	EAST	DOOR FRAME	METAL	GRAY	DETERIORATED	Positive	2.1	mg / cm ^2
64	4953	1E	OUTSIDE	EAST	DOOR SECURITY	METAL	BROWN	DETERIORATED	Negative	0.11	mg / cm ^2
65	4953	1W	OUTSIDE	WEST	DOOR	METAL	GRAY	DETERIORATED	Positive	3.5	mg / cm ^2
66	4953	1W	OUTSIDE	WEST	DOOR FRAME	METAL	GRAY	DETERIORATED	Negative	0.1	mg / cm ^2
67	4953	1W	OUTSIDE	WEST	HAND RAIL	METAL	BEIGE	DETERIORATED	Negative	0.09	mg / cm ^2
68	4953	1W	OUTSIDE	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0	mg / cm ^2
69	4953	1W	OUTSIDE	NORTH	WINDOW	METAL	GREEN	DETERIORATED	Negative	0.7	mg / cm ^2
70	4953	1E	OUTSIDE	EAST	WALL	CONCRETE	BROWN, LIGHT	DETERIORATED	Negative	0.4	mg / cm ^2
71	4953	1E	OUTSIDE	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0	mg / cm ^2
72	4953	1N	OUTSIDE	EAST	DOOR	METAL	GRAY	DETERIORATED	Positive	1.9	mg / cm ^2
73	4953	1N	OUTSIDE	EAST	DOOR FRAME	METAL	GRAY	DETERIORATED	Positive	2.7	mg / cm ^2
74	4953	1N	OUTSIDE	NORTH	HATCH	METAL	BROWN	DETERIORATED	Positive	4.3	mg / cm ^2
75	4953	1N	OUTSIDE	WEST	WINDOW	METAL	GREEN	DETERIORATED	Positive	9.9	mg / cm ^2
76	4953	1N	OUTSIDE	WEST	WINDOW CASING	METAL	GREEN	DETERIORATED	Positive	6.7	mg / cm ^2
77	4953	1S	1	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.3	mg / cm ^2
78	4953	1S	1	SOUTH	BASEBOARD	CONCRETE	BROWN	DETERIORATED	Positive	1.6	mg / cm ^2
79	4953	1S	1	WEST	WINDOW	METAL	WHITE	DETERIORATED	Positive	10.1	mg / cm ^2
80	4953	1S	1	WEST	WINDOW CASING	METAL	BEIGE	DETERIORATED	Positive	10.1	mg / cm ^2
81	4953	1S	1	WEST	RADIATOR	METAL	BROWN	DETERIORATED	Positive	3.9	mg / cm ^2
82	4953	1S	1	WEST	CABINET	METAL	WHITE	DETERIORATED	Negative	0.01	mg / cm ^2
83	4953	1S	1	WEST	COLUMN	CONCRETE	WHITE	DETERIORATED	Positive	5.3	mg / cm ^2
84	4953	1S	1	NORTH	BEAM	CONCRETE	WHITE	DETERIORATED	Positive	2.7	mg / cm ^2
85	4953	1S	1		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.03	mg / cm ^2
86	4953	1S	1	NORTH	SPEAKER	METAL	WHITE	DETERIORATED	Negative	0.05	mg / cm ^2
87	4953	1S	2	NORTH	WALL	DRYWALL	WHITE	DETERIORATED	Negative	0	mg / cm ^2
88	4953	1S	2	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.9	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
89	4953	1S	2	EAST	COLUMN	CONCRETE	WHITE	DETERIORATED	Positive	1.9	mg / cm ^2
90	4953	1S	2	EAST	DOOR FRAME	WOOD	BROWN	DETERIORATED	Negative	0	mg / cm ^2
91	4953	1S	3	WEST	DOOR	WOOD	BROWN	DETERIORATED	Negative	0	mg / cm ^2
92	4953	1S	3	WEST	DOOR FRAME	WOOD	BROWN	DETERIORATED	Negative	0	mg / cm ^2
93	4953	1S	4	WEST	DOOR FRAME	DRYWALL	BROWN	DETERIORATED	Negative	0	mg / cm ^2
94	4953	1S	4	WEST	WALL	DRYWALL	WHITE	DETERIORATED	Negative	0	mg / cm ^2
95	4953	1S	4	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.6	mg / cm ^2
96	4953	1S	4	EAST	WINDOW	METAL	WHITE	DETERIORATED	Positive	1.7	mg / cm ^2
97	4953	1S	4	EAST	WINDOW CASING	METAL	WHITE	DETERIORATED	Positive	2.8	mg / cm ^2
98	4953	1S	4	EAST	RADIATOR	METAL	BROWN	DETERIORATED	Negative	0.21	mg / cm ^2
99	4953	1S	4		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.05	mg / cm ^2
100	4953	1S	4	NORTH	BEAM	CONCRETE	WHITE	DETERIORATED	Negative	0.5	mg / cm ^2
101	4953	1S	5	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	6.1	mg / cm ^2
102	4953	1S	5	NORTH	DOOR	WOOD	BROWN	DETERIORATED	Positive	4.2	mg / cm ^2
103	4953	1S	5	NORTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	1.9	mg / cm ^2
104	4953	1S	5	SOUTH	WALL	DRYWALL	WHITE	DETERIORATED	Negative	0	mg / cm ^2
105	4953	1S	6	SOUTH	WALL	DRYWALL	WHITE	DETERIORATED	Negative	0	mg / cm ^2
106	4953	1S	6	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.4	mg / cm ^2
107	4953	1S	6	WEST	DOOR FRAME	WOOD	BROWN	DETERIORATED	Negative	0	mg / cm ^2
108	4953	1S	7	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.8	mg / cm ^2
109	4953	1S	7	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.7	mg / cm ^2
110	4953	1S	7	WEST	RADIATOR	METAL	BROWN	DETERIORATED	Negative	0.5	mg / cm ^2
111	4953	1S	8	WEST	WALL	CONCRETE	BROWN	DETERIORATED	Positive	2.7	mg / cm ^2
112	4953	1S	8	WEST	COLUMN	CONCRETE	WHITE	DETERIORATED	Positive	2.2	mg / cm ^2
113	4953	1S	8	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.6	mg / cm ^2
114	4953	1S	8	WEST	WINDOW	METAL	WHITE	DETERIORATED	Positive	2.5	mg / cm ^2
115	4953	1S	8	WEST	WINDOW CASING	METAL	WHITE	DETERIORATED	Positive	2.5	mg / cm ^2
116	4953	1S	8	EAST	DOOR	WOOD	BROWN	DETERIORATED	Negative	0	mg / cm ^2
117	4953	1S	8	EAST	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	7.1	mg / cm ^2
118	4953	1S	9	NORTH	DOOR FRAME	METAL	BLUE	DETERIORATED	Positive	1	mg / cm ^2
119	4953	1S	9	NORTH	WALL	CONCRETE	BLUE	DETERIORATED	Positive	2.2	mg / cm ^2
120	4953	1S	9	SOUTH	WALL	CONCRETE	BLUE	DETERIORATED	Negative	0.7	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
121	4953	1S	9	SOUTH	COLUMN	CONCRETE	BLUE	DETERIORATED	Negative	0.4	mg / cm ^2
122	4953	1S	10	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.9	mg / cm ^2
123	4953	1S	10	SOUTH	WALL	CERAMIC	WHITE	DETERIORATED	Negative	0	mg / cm ^2
124	4953	1S	10	NORTH	STALL	METAL	BROWN	DETERIORATED	Negative	0.27	mg / cm ^2
125	4953	1S	10	SOUTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	1.7	mg / cm ^2
126	4953	1S	10	SOUTH	DOOR	WOOD	BROWN	DETERIORATED	Negative	0.02	mg / cm ^2
127	4953	1S	10		CEILING	CONCRETE	WHITE	DETERIORATED	Positive	1.4	mg / cm ^2
128	4953	1S	11		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.2	mg / cm ^2
129	4953	1S	11	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.6	mg / cm ^2
130	4953	1S	11	SOUTH	WALL	CERAMIC	WHITE	DETERIORATED	Negative	0	mg / cm ^2
131	4953	1S	11	EAST	WALL	DRYWALL	WHITE	DETERIORATED	Negative	0	mg / cm ^2
132	4953	1S	11	EAST	DOOR FRAME	WOOD	BROWN	DETERIORATED	Negative	0	mg / cm ^2
133	4953	1S	11	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.4	mg / cm ^2
134	4953	1S	11	EAST	COLUMN	CONCRETE	WHITE	DETERIORATED	Negative	0.8	mg / cm ^2
135	4953	1S	11	EAST	RADIATOR	METAL	BROWN	DETERIORATED	Negative	0.15	mg / cm ^2
136	4953	1S	11		FLOOR	CERAMIC	BROWN	INTACT	Negative	0	mg / cm ^2
137	4953	1S	12	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.5	mg / cm ^2
138	4953	1S	12	WEST	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	2.1	mg / cm ^2
139	4953	1S	12	WEST	DOOR	METAL	BLUE	DETERIORATED	Positive	1.7	mg / cm ^2
140	4953	1S	12	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1	mg / cm ^2
141	4953	1S	12	EAST	COLUMN	CONCRETE	WHITE	DETERIORATED	Positive	1.6	mg / cm ^2
142	4953	1S	12	EAST	RADIATOR	METAL	WHITE	DETERIORATED	Negative	0.9	mg / cm ^2
143	4953	1S	13	EAST	DOOR	METAL	BROWN	DETERIORATED	Negative	0.06	mg / cm ^2
144	4953	1S	13	NORTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.06	mg / cm ^2
145	4953	1S	13	WEST	WALL	CONCRETE	GRAY	INTACT	Negative	0.13	mg / cm ^2
146	4953	1S	13	EAST	WALL	CONCRETE	GRAY	INTACT	Negative	0.4	mg / cm ^2
147	4953	1S	13		CEILING	CONCRETE	GRAY	INTACT	Negative	0.04	mg / cm ^2
148	4953	1S	13	EAST	BEAM	CONCRETE	GRAY	INTACT	Negative	0.13	mg / cm ^2
149	4953	1S	13	WEST	DOOR	WOOD	GRAY	INTACT	Positive	2.1	mg / cm ^2
150	4953	1S	13	WEST	DOOR FRAME	METAL	GRAY	INTACT	Positive	2.1	mg / cm ^2
151	4953	1S	13	WEST	WALL	DRYWALL	WHITE	INTACT	Negative	0	mg / cm ^2
152	4953	1S	13	NORTH	DOOR	METAL	WHITE	INTACT	Negative	0.02	mg / cm ^2

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**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
153	4953	1S	13	NORTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Positive	1.6	mg / cm ^2
154	4953	1S	13	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	3.3	mg / cm ^2
155	4953	1S	13	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.7	mg / cm ^2
156	4953	1S	14	EAST	WALL	WOOD	WHITE	DETERIORATED	Negative	0.01	mg / cm ^2
157	4953	1S	14	EAST	TRIM	WOOD	WHITE	DETERIORATED	Negative	0.06	mg / cm ^2
158	4953	1S	14	EAST	WALL	CONCRETE	GREEN	INTACT	Positive	1.9	mg / cm ^2
159	4953	1S	14	WEST	WALL	DRYWALL	WHITE	INTACT	Negative	0.03	mg / cm ^2
160	4953	1S	14		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.06	mg / cm ^2
161	4953	1S	14	NORTH	BEAM	CONCRETE	WHITE	DETERIORATED	Negative	0.18	mg / cm ^2
162	4953	1S	15	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.8	mg / cm ^2
163	4953	1S	15	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.2	mg / cm ^2
164	4953	1S	15	NORTH	DOOR	METAL	BROWN	DETERIORATED	Positive	2.4	mg / cm ^2
165	4953	1S	15	NORTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	1.7	mg / cm ^2
166	4953	1S	15	EAST	DOOR	METAL	BROWN	DETERIORATED	Negative	0.02	mg / cm ^2
167	4953	1S	15	EAST	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.06	mg / cm ^2
168	4953	1S	15	WEST	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	5.5	mg / cm ^2
169	4953	1S	15	WEST	DOOR	METAL	BROWN	DETERIORATED	Positive	3.6	mg / cm ^2
170	4953	1E	1	EAST	WALL	CERAMIC	TAN	DETERIORATED	Negative	0.01	mg / cm ^2
171	4953	1E	1	EAST	WINDOW	METAL	GRAY	DETERIORATED	Positive	4.1	mg / cm ^2
172	4953	1E	1	EAST	WINDOW CASING	METAL	GRAY	DETERIORATED	Positive	3.7	mg / cm ^2
173	4953	1E	1	NORTH	DOOR	WOOD	WHITE	DETERIORATED	Negative	0.3	mg / cm ^2
174	4953	1E	1	NORTH	DOOR FRAME	WOOD	WHITE	DETERIORATED	Negative	0.8	mg / cm ^2
175	4953	1E	1	WEST	DOOR FRAME	METAL	WHITE	DETERIORATED	Positive	1	mg / cm ^2
176	4953	1E	1	WEST	WINDOW FRAME	METAL	WHITE	DETERIORATED	Negative	0.9	mg / cm ^2
177	4953	1E	1	WEST	WALL	CERAMIC	BEIGE	DETERIORATED	Negative	0	mg / cm ^2
178	4953	1E	1		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.16	mg / cm ^2
179	4953	1E	1	WEST	BEAM	CONCRETE	WHITE	DETERIORATED	Negative	0.14	mg / cm ^2
180	4953	1E	1		FLOOR	CERAMIC	BROWN	INTACT	Negative	0	mg / cm ^2
181	4953	1E	1	EAST	DUCT	METAL	WHITE	DETERIORATED	Negative	0.18	mg / cm ^2
182	4953	1E	2	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.6	mg / cm ^2
183	4953	1E	2	SOUTH	BASEBOARD	CONCRETE	RED	DETERIORATED	Positive	1.2	mg / cm ^2
184	4953	1E	2		FLOOR	CONCRETE	RED	DETERIORATED	Negative	0.25	mg / cm ^2

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**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
185	4953	1E	2	NORTH	WINDOW	METAL	WHITE	DETERIORATED	Positive	3.1	mg / cm ^2
186	4953	1E	2	SOUTH	PIPE	METAL	WHITE	DETERIORATED	Positive	1.4	mg / cm ^2
187	4953	1E	3	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.6	mg / cm ^2
188	4953	1E	3	NORTH	BASEBOARD	CONCRETE	RED	DETERIORATED	Positive	2.9	mg / cm ^2
189	4953	1E	3	NORTH	SHELF	WOOD	WHITE	DETERIORATED	Positive	2.7	mg / cm ^2
190	4953	1E	3	SOUTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Positive	1.9	mg / cm ^2
191	4953	1E	3	EAST	WALL	CERAMIC	WHITE	DETERIORATED	Positive	1.7	mg / cm ^2
192	4953	1E	4	NORTH	WALL	CERAMIC	BEIGE	DETERIORATED	Negative	0	mg / cm ^2
193	4953	1E	4	NORTH	WINDOW	METAL	BLACK	DETERIORATED	Positive	3.1	mg / cm ^2
194	4953	1E	4	SOUTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Positive	4.3	mg / cm ^2
195	4953	1E	4	SOUTH	DOOR	WOOD	WHITE	DETERIORATED	Negative	0.12	mg / cm ^2
196	4953	1E	5	EAST	DOOR	WOOD	BROWN	DETERIORATED	Negative	0	mg / cm ^2
197	4953	1E	5	EAST	DOOR FRAME	METAL	WHITE	DETERIORATED	Positive	2	mg / cm ^2
198	4953	1E	5	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.7	mg / cm ^2
201	4953	1E	6	EAST	WALL	CONCRETE	GRAY	DETERIORATED	Negative	0.15	mg / cm ^2
202	4953	1E	7	EAST	WALL	CERAMIC	GRAY	DETERIORATED	Negative	0.3	mg / cm ^2
203	4953	1E	7	EAST	BEAM	CONCRETE	GRAY	DETERIORATED	Negative	0.13	mg / cm ^2
204	4953	1E	7	EAST	COLUMN	CONCRETE	GRAY	DETERIORATED	Positive	1.6	mg / cm ^2
205	4953	1E	7	WEST	WALL	CONCRETE	GRAY	DETERIORATED	Negative	0.6	mg / cm ^2
206	4953	1E	7	NORTH	WINDOW	METAL	GRAY	DETERIORATED	Positive	6.3	mg / cm ^2
207	4953	1E	7	NORTH	WINDOW CASING	METAL	GRAY	DETERIORATED	Positive	3.9	mg / cm ^2
208	4953	1E	7	SOUTH	WALL	DRYWALL	WHITE	DETERIORATED	Negative	0.14	mg / cm ^2
209	4953	1E	7	SOUTH	DOOR	WOOD	WHITE	DETERIORATED	Negative	0.5	mg / cm ^2
210	4953	1E	7	SOUTH	DOOR FRAME	WOOD	WHITE	DETERIORATED	Negative	0.5	mg / cm ^2
211	4953	1E	7	WEST	DOOR FRAME	METAL	GRAY	DETERIORATED	Negative	0.01	mg / cm ^2
212	4953	1E	7	WEST	DOOR	METAL	BROWN	DETERIORATED	Negative	0.01	mg / cm ^2
213	4953	1E	7	WEST	WALL	CONCRETE	WHITE	INTACT	Positive	1.7	mg / cm ^2
214	4953	1E	7	WEST	CHASE	METAL	WHITE	DETERIORATED	Positive	1.7	mg / cm ^2
215	4953	1E	7	WEST	DOOR	METAL	WHITE	DETERIORATED	Positive	1.3	mg / cm ^2
216	4953	1E	7	WEST	DUCT	METAL	WHITE	DETERIORATED	Negative	0.22	mg / cm ^2
217	4953	1E	7		CEILING	CONCRETE	GRAY	DETERIORATED	Negative	0.13	mg / cm ^2
218	4953	1E	8	WEST	WALL	CONCRETE	GRAY	DETERIORATED	Negative	0.4	mg / cm ^2

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**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
219	4953	1E	8	NORTH	WALL	CONCRETE	GRAY	DETERIORATED	Negative	0.4	mg / cm ^2
220	4953	1E	8	SOUTH	WINDOW	METAL	GRAY	DETERIORATED	Positive	3.3	mg / cm ^2
221	4953	1E	8	SOUTH	WINDOW CASING	METAL	GRAY	DETERIORATED	Positive	2.7	mg / cm ^2
222	4953	1E	8	WEST	DOOR	WOOD	GRAY	DETERIORATED	Positive	1.3	mg / cm ^2
223	4953	1E	8	WEST	DOOR FRAME	METAL	GRAY	DETERIORATED	Negative	0.8	mg / cm ^2
224	4953	1E	8	WEST	CEILING	CONCRETE	GRAY	DETERIORATED	Negative	0.14	mg / cm ^2
225					CALIBRATE				Positive	1	mg / cm ^2
226					CALIBRATE				Positive	1	mg / cm ^2
227					CALIBRATE				Positive	1.2	mg / cm ^2
228					SHUTTER_CAL					4.25	cps
229					CALIBRATE				Positive	1	mg / cm ^2
230					CALIBRATE				Positive	1	mg / cm ^2
232					CALIBRATE				Positive	1.1	mg / cm ^2
233	4953	BN	1	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.12	mg / cm ^2
234	4953	BN	1	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.02	mg / cm ^2
235	4953	BN	1	NORTH	PIPE	METAL	WHITE	DETERIORATED	Negative	0.24	mg / cm ^2
236	4953	BN	1	SOUTH	DOOR	WOOD	BROWN	INTACT	Negative	0.01	mg / cm ^2
237	4953	BN	1	SOUTH	DOOR FRAME	WOOD	BROWN	INTACT	Negative	0.03	mg / cm ^2
238	4953	BN	1	EAST	COLUMN	CONCRETE	WHITE	INTACT	Negative	0.09	mg / cm ^2
239	4953	BN	2	EAST	DOOR	METAL	GRAY	DETERIORATED	Negative	0.2	mg / cm ^2
240	4953	BN	2	EAST	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.4	mg / cm ^2
241	4953	BN	2	EAST	HAND RAIL	METAL	BROWN	DETERIORATED	Negative	0.1	mg / cm ^2
242	4953	BN	2	NORTH	WALL	CONCRETE	WHITE	INTACT	Positive	2.9	mg / cm ^2
243	4953	BN	2	NORTH	RISER	CONCRETE	BROWN	DETERIORATED	Positive	4.3	mg / cm ^2
244	4953	BN	2	WEST	WALL	CONCRETE	WHITE	INTACT	Positive	3.7	mg / cm ^2
245	4953	1N	1	SOUTH	WALL	CONCRETE	WHITE	INTACT	Positive	2	mg / cm ^2
246	4953	1N	1	SOUTH	DOOR	METAL	BROWN	INTACT	Positive	1.7	mg / cm ^2
247	4953	1N	1	SOUTH	DOOR FRAME	METAL	WHITE	INTACT	Positive	1.8	mg / cm ^2
248	4953	1N	1	WEST	WALL	CONCRETE	WHITE	INTACT	Positive	3.2	mg / cm ^2
249	4953	1N	1	WEST	COLUMN	CONCRETE	GRAY	INTACT	Positive	7.3	mg / cm ^2
250	4953	1N	1	NORTH	DOOR	METAL	WHITE	INTACT	Positive	3.1	mg / cm ^2
251	4953	1N	1	NORTH	DOOR FRAME	METAL	WHITE	INTACT	Positive	2.4	mg / cm ^2

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**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
252	4953	1N	1		CEILING	CONCRETE	GRAY	INTACT	Negative	0.11	mg / cm ^2
253	4953	1N	1	NORTH	DUCT	METAL	GRAY	INTACT	Negative	0.3	mg / cm ^2
254	4953	1N	2	WEST	DOOR FRAME	METAL	GRAY	INTACT	Negative	0.6	mg / cm ^2
255	4953	1N	2	WEST	DOOR	WOOD	GRAY	INTACT	Negative	0.4	mg / cm ^2
256	4953	1N	2	WEST	WALL	CONCRETE	GRAY	INTACT	Negative	0.4	mg / cm ^2
257	4953	1N	2	SOUTH	WALL	DRYWALL	GRAY	INTACT	Negative	0.01	mg / cm ^2
258	4953	1N	2	EAST	COLUMN	CONCRETE	GRAY	INTACT	Negative	0.22	mg / cm ^2
259	4953	1N	2	EAST	WALL	CONCRETE	GRAY	INTACT	Negative	0.3	mg / cm ^2
260	4953	1N	2	EAST	PIPE	METAL	GRAY	INTACT	Negative	0.3	mg / cm ^2
261	4953	1N	3	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.5	mg / cm ^2
262	4953	1N	3		CEILING	DRYWALL	WHITE	DETERIORATED	Negative	0.11	mg / cm ^2
263	4953	1N	3	SOUTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.03	mg / cm ^2
264	4953	1N	3	SOUTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.02	mg / cm ^2
265	4953	1N	3	EAST	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	1.8	mg / cm ^2
266	4953	1N	3	EAST	DOOR	WOOD	BROWN	DETERIORATED	Negative	0.11	mg / cm ^2
267	4953	1N	3	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	3.6	mg / cm ^2
268	4953	1N	4	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.18	mg / cm ^2
269	4953	1N	4	SOUTH	WALL	CERAMIC	WHITE	DETERIORATED	Negative	0	mg / cm ^2
270	4953	1N	4	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.13	mg / cm ^2
271	4953	1N	4	NORTH	STALL	METAL	WHITE	DETERIORATED	Negative	0.19	mg / cm ^2
272	4953	1N	4		CEILING	WOOD	WHITE	DETERIORATED	Negative	0.04	mg / cm ^2
273	4953	1N	5	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.01	mg / cm ^2
274	4953	1N	5	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.8	mg / cm ^2
275	4953	1N	5	NORTH	COLUMN	CONCRETE	WHITE	DETERIORATED	Negative	0.3	mg / cm ^2
276	4953	1N	5	WEST	WALL	WOOD	WHITE	DETERIORATED	Negative	0.8	mg / cm ^2
277	4953	1N	5	EAST	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	1	mg / cm ^2
278	4953	1N	5	EAST	DOOR	WOOD	BROWN	DETERIORATED	Negative	0.1	mg / cm ^2
279	4953	1N	6	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.1	mg / cm ^2
280	4953	1N	6	SOUTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	5.6	mg / cm ^2
281	4953	1N	6	SOUTH	DOOR	METAL	BROWN	DETERIORATED	Positive	2.3	mg / cm ^2
282	4953	1N	6	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	11.4	mg / cm ^2
283	4953	1N	6	NORTH	COLUMN	CONCRETE	WHITE	DETERIORATED	Positive	6	mg / cm ^2

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**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
284	4953	1N	7	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.3	mg / cm ^2
285	4953	1N	7	SOUTH	DOOR	METAL	BROWN	DETERIORATED	Positive	3.2	mg / cm ^2
286	4953	1N	7	SOUTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	4.3	mg / cm ^2
287	4953	1N	7	NORTH	CAGE	METAL	WHITE	DETERIORATED	Negative	0.01	mg / cm ^2
288	4953	1N	7	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.9	mg / cm ^2
289	4953	1N	7		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.08	mg / cm ^2
290	4953	1N	7	EAST	BEAM	CONCRETE	WHITE	DETERIORATED	Negative	0.21	mg / cm ^2
291	4953	1N	7	EAST	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.3	mg / cm ^2
292	4953	1N	7	SOUTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	0.6	mg / cm ^2
293	4953	1N	7	SOUTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Positive	5.9	mg / cm ^2
294	4953	1N	7	WEST	WALL	CONCRETE	GREEN	DETERIORATED	Negative	0.3	mg / cm ^2
295	4953	1N	7	WEST	WALL	CONCRETE	BEIGE	DETERIORATED	Negative	0.21	mg / cm ^2
296	4953	1N	7	WEST	RADIATOR	METAL	WHITE	DETERIORATED	Negative	0.03	mg / cm ^2
297	4953	1N	7	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	3	mg / cm ^2
298	4953	1N	7	WEST	WINDOW	METAL	WHITE	DETERIORATED	Positive	3.6	mg / cm ^2
299	4953	1N	7	WEST	WINDOW CASING	METAL	WHITE	DETERIORATED	Positive	5.4	mg / cm ^2
300	4953	1N	7	WEST	COLUMN	CONCRETE	WHITE	DETERIORATED	Positive	2.5	mg / cm ^2
301	4953	1N	7	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	3	mg / cm ^2
302	4953	1N	7	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2	mg / cm ^2
303	4953	1N	7	NORTH	CAGE	METAL	WHITE	DETERIORATED	Negative	0.09	mg / cm ^2
304	4953	1N	7	NORTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	0.25	mg / cm ^2
305	4953	1N	7	NORTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.28	mg / cm ^2
306	4953	1N	7	EAST	WINDOW	METAL	WHITE	DETERIORATED	Positive	8.6	mg / cm ^2
307	4953	1N	7	EAST	WINDOW CASING	METAL	WHITE	DETERIORATED	Positive	4.1	mg / cm ^2
308	4953	1N	7	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.7	mg / cm ^2
309	4953	1N	8	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	3.9	mg / cm ^2
310	4953	1N	8	SOUTH	WALL	METAL	WHITE	DETERIORATED	Negative	0.06	mg / cm ^2
311	4953	1N	8	SOUTH	WALL	CERAMIC	BEIGE	DETERIORATED	Negative	0	mg / cm ^2
312	4953	1N	8		FLOOR	CERAMIC	BROWN	INTACT	Negative	0	mg / cm ^2
313	4953	1N	9	EAST	COLUMN	CONCRETE	WHITE	INTACT	Negative	0.23	mg / cm ^2
314	4953	1N	9	EAST	WALL	METAL	WHITE	DETERIORATED	Negative	0.03	mg / cm ^2
315	4953	1N	9	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.13	mg / cm ^2

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**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
316	4953	1N	9	SOUTH	WALL	CERAMIC	BEIGE	INTACT	Negative	0	mg / cm ^2
317	4953	1N	9	WEST	CAGE	METAL	WHITE	DETERIORATED	Negative	0.4	mg / cm ^2
318	4953	1N	10	WEST	CAGE	METAL	WHITE	DETERIORATED	Negative	0	mg / cm ^2
319	4953	1N	10	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.8	mg / cm ^2
320	4953	1N	10	EAST	SPEAKER	METAL	WHITE	DETERIORATED	Negative	0.12	mg / cm ^2
321	4953	1N	10		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.07	mg / cm ^2
322	4953	1N	11		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.06	mg / cm ^2
323	4953	1N	11	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.9	mg / cm ^2
324	4953	1N	12	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.2	mg / cm ^2
325	4953	1N	12	SOUTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Positive	2.9	mg / cm ^2
326	4953	1N	12	SOUTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.05	mg / cm ^2
327	4953	1N	13	SOUTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.07	mg / cm ^2
328	4953	1N	13	SOUTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	0.01	mg / cm ^2
329	4953	1N	13	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.27	mg / cm ^2
330	4953	1N	13	NORTH	WALL	CERAMIC	BEIGE	DETERIORATED	Negative	0	mg / cm ^2
331	4953	1N	13		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.04	mg / cm ^2
333	4953	1N	14		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.19	mg / cm ^2
334	4953	1N	14	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.5	mg / cm ^2
335	4953	1N	15	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.6	mg / cm ^2
336	4953	1N	15	EAST	WALL	METAL	WHITE	DETERIORATED	Negative	0.06	mg / cm ^2
337	4953	1N	16	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.5	mg / cm ^2
338	4953	1N	17	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	5.2	mg / cm ^2
339	4953	2N	1	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	3.5	mg / cm ^2
340	4953	2N	1	NORTH	RISER	CONCRETE	GRAY	DETERIORATED	Positive	6.7	mg / cm ^2
341	4953	2N	1	WEST	HAND RAIL	METAL	BROWN	DETERIORATED	Negative	0.8	mg / cm ^2
342	4953	2N	1	WEST	STAIRS	CONCRETE	WHITE	DETERIORATED	Negative	0.9	mg / cm ^2
343	4953	2N	1	WEST	COLUMN	CONCRETE	WHITE	DETERIORATED	Positive	1.4	mg / cm ^2
344	4953	2N	1	NORTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.12	mg / cm ^2
345	4953	2N	1	NORTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	0.06	mg / cm ^2
346	4953	2N	2	NORTH	HVAC	METAL	GRAY	INTACT	Negative	0.01	mg / cm ^2
347	4953	2N	2	NORTH	DUCT	METAL	GRAY	INTACT	Negative	0.24	mg / cm ^2
348	4953	2N	2	WEST	DOOR FRAME	METAL	BEIGE	INTACT	Negative	0.13	mg / cm ^2

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**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
349	4953	2N	2	WEST	DOOR	METAL	BROWN	INTACT	Positive	3.5	mg / cm ^2
350	4953	2N	3	NORTH	DOOR	METAL	BROWN	INTACT	Positive	3.2	mg / cm ^2
351	4953	2N	3	NORTH	DOOR FRAME	METAL	BROWN	INTACT	Negative	0.3	mg / cm ^2
352	4953	2N	3	NORTH	WALL	CONCRETE	WHITE	INTACT	Positive	3.5	mg / cm ^2
353	4953	2N	3	EAST	WALL	CONCRETE	WHITE	INTACT	Positive	4.6	mg / cm ^2
354	4953	2N	3	EAST	COLUMN	CONCRETE	WHITE	INTACT	Positive	2.2	mg / cm ^2
355	4953	2N	3		CEILING	CONCRETE	WHITE	INTACT	Negative	0.07	mg / cm ^2
356	4953	2N	3	EAST	BEAM	CONCRETE	WHITE	INTACT	Negative	0.3	mg / cm ^2
357	4953	2N	3	WEST	WINDOW	METAL	GREEN	DETERIORATED	Positive	5	mg / cm ^2
358	4953	2N	3	WEST	WINDOW CASING	METAL	GREEN	DETERIORATED	Positive	3.2	mg / cm ^2
359	4953	2N	4	EAST	DOOR	METAL	GREEN	DETERIORATED	Negative	0.5	mg / cm ^2
360	4953	2N	4	EAST	DOOR	METAL	BROWN	DETERIORATED	Positive	3.4	mg / cm ^2
361	4953	2N	4	EAST	WALL	CONCRETE	GREEN	INTACT	Negative	0.8	mg / cm ^2
362	4953	2N	4	EAST	WALL	CONCRETE	WHITE	INTACT	Negative	0.17	mg / cm ^2
363	4953	2N	5	EAST	WALL	CONCRETE	WHITE	INTACT	Positive	2.7	mg / cm ^2
365	4953	2N	5	SOUTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.5	mg / cm ^2
366	4953	2N	5	SOUTH	WALL	CERAMIC	BEIGE	INTACT	Negative	0	mg / cm ^2
367	4953	2N	5		FLOOR	CERAMIC	BROWN	INTACT	Negative	0.02	mg / cm ^2
368	4953	2N	5	WEST	DOOR	METAL	WHITE	DETERIORATED	Positive	3.3	mg / cm ^2
369	4953	2N	5	WEST	DOOR FRAME	METAL	WHITE	DETERIORATED	Positive	2.8	mg / cm ^2
370	4953	2N	5	WEST	DUCT	METAL	GREEN	DETERIORATED	Negative	0.06	mg / cm ^2
371	4953	2N	5	WEST	CAGE	METAL	WHITE	DETERIORATED	Negative	0.1	mg / cm ^2
372	4953	2N	6	SOUTH	CAGE	METAL	WHITE	DETERIORATED	Negative	0.29	mg / cm ^2
373	4953	2N	6	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.4	mg / cm ^2
374	4953	2N	6	NORTH	WALL	CERAMIC	BEIGE	DETERIORATED	Negative	0	mg / cm ^2
375	4953	2N	6		FLOOR	CERAMIC	BROWN	INTACT	Negative	0.01	mg / cm ^2
376	4953	2N	6	NORTH	DUCT	METAL	GREEN	DETERIORATED	Negative	0.18	mg / cm ^2
377	4953	2N	6	EAST	WINDOW	METAL	WHITE	DETERIORATED	Positive	2.6	mg / cm ^2
378	4953	2N	6	EAST	WINDOW CASING	METAL	WHITE	DETERIORATED	Positive	2.9	mg / cm ^2
379	4953	2N	6	EAST	DOOR	METAL	WHITE	DETERIORATED	Negative	0.7	mg / cm ^2
380	4953	2N	6	EAST	DOOR FRAME	METAL	WHITE	DETERIORATED	Positive	1	mg / cm ^2
381	4953	2N	6	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.3	mg / cm ^2

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**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
382	4953	2N	7	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	4.4	mg / cm ^2
383	4953	2N	7	EAST	WINDOW	METAL	GREEN	DETERIORATED	Positive	6.1	mg / cm ^2
384	4953	2N	7	EAST	WINDOW CASING	METAL	GREEN	DETERIORATED	Positive	5.4	mg / cm ^2
385	4953	2N	7	EAST	RADIATOR	METAL	BROWN, LIGHT	DETERIORATED	Positive	2.5	mg / cm ^2
386	4953	2N	7	EAST	COLUMN	CONCRETE	WHITE	DETERIORATED	Negative	0.15	mg / cm ^2
387	4953	2N	7	WEST	CAGE	METAL	SILVER	DETERIORATED	Negative	0.04	mg / cm ^2
388	4953	2N	7	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.5	mg / cm ^2
389	4953	2N	7	NORTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.03	mg / cm ^2
390	4953	2N	7	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.5	mg / cm ^2
391	4953	2N	7	EAST	WALL	CONCRETE	GREEN	DETERIORATED	Positive	5.1	mg / cm ^2
392	4953	2N	7	EAST	COLUMN	CONCRETE	GREEN	DETERIORATED	Positive	2.6	mg / cm ^2
393	4953	2N	7	NORTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	-0.12	mg / cm ^2
394	4953	2N	7	NORTH	DOOR	METAL	GRAY	DETERIORATED	Negative	0.24	mg / cm ^2
395	4953	2N	8	NORTH	STAIRS	CONCRETE	WHITE	DETERIORATED	Negative	0.12	mg / cm ^2
396	4953	2N	8	SOUTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.15	mg / cm ^2
397	4953	2N	8	NORTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.4	mg / cm ^2
398	4953	2N	8	NORTH	HAND RAIL	METAL	WHITE	DETERIORATED	Negative	0.15	mg / cm ^2
399	4953	2N	8	EAST	WINDOW	METAL	WHITE	DETERIORATED	Positive	2.9	mg / cm ^2
400	4953	2N	9	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	1.5	mg / cm ^2
401	4953	2N	9	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.4	mg / cm ^2
402	4953	2N	9	NORTH	COLUMN	CONCRETE	WHITE	DETERIORATED	Positive	3.3	mg / cm ^2
403	4953	2N	9	EAST	CAGE	METAL	SILVER	DETERIORATED	Negative	0.05	mg / cm ^2
404	4953	2N	9	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Positive	2.3	mg / cm ^2
405	4953	2N	9	WEST	WINDOW	METAL	WHITE	DETERIORATED	Positive	6.3	mg / cm ^2
406	4953	2N	9	WEST	WINDOW CASING	METAL	WHITE	DETERIORATED	Positive	6.3	mg / cm ^2
407	4953	2N	9	WEST	RADIATOR	METAL	BEIGE	DETERIORATED	Negative	0.6	mg / cm ^2
408	4953	2N	9	WEST	CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.01	mg / cm ^2
409	4953	2N	9	WEST	BEAM	CONCRETE	WHITE	DETERIORATED	Negative	0.08	mg / cm ^2
410	4953	2N	9	WEST	LIGHT	METAL	WHITE	DETERIORATED	Negative	0.6	mg / cm ^2
411					CALIBRATE				Positive	1.1	mg / cm ^2
412					CALIBRATE				Positive	1.1	mg / cm ^2
414					CALIBRATE				Positive	1.1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
415					SHUTTER_CAL					4.3	cps
416					CALIBRATE				Positive	1	mg / cm ^2
417					CALIBRATE				Positive	1.1	mg / cm ^2
418					CALIBRATE				Positive	1.2	mg / cm ^2
419	4953	1W	1	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.23	mg / cm ^2
420	4953	1W	1	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.13	mg / cm ^2
421	4953	1W	1	NORTH	DOOR	METAL	BROWN	INTACT	Positive	1.2	mg / cm ^2
422	4953	1W	1	NORTH	LOCKING DEVICE	METAL	WHITE	INTACT	Negative	0.09	mg / cm ^2
423	4953	1W	1	NORTH	DOOR	METAL	WHITE	INTACT	Negative	0.7	mg / cm ^2
424	4953	1W	1	SOUTH	DOOR	METAL	BROWN	INTACT	Negative	0.7	mg / cm ^2
425	4953	1W	1	SOUTH	DOOR FRAME	METAL	WHITE	INTACT	Negative	0.13	mg / cm ^2
426	4953	1W	1	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.09	mg / cm ^2
427	4953	1W	1	SOUTH	DOOR	METAL	WHITE	DETERIORATED	Negative	0.9	mg / cm ^2
428	4953	1W	1	SOUTH	DOOR	METAL	BROWN	DETERIORATED	Positive	1.4	mg / cm ^2
429	4953	1W	1	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.1	mg / cm ^2
430	4953	1W	1	WEST	BEAM	CONCRETE	WHITE	DETERIORATED	Negative	0.1	mg / cm ^2
431	4953	1W	1		CEILING	PLASTER	WHITE	DETERIORATED	Negative	0.16	mg / cm ^2
432	4953	1W	1		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.07	mg / cm ^2
433	4953	1W	1	SOUTH	CAGE	METAL	WHITE	DETERIORATED	Negative	0.02	mg / cm ^2
434	4953	1W	1	SOUTH	DOOR	METAL	BLUE	DETERIORATED	Negative	0.08	mg / cm ^2
435	4953	1W	2	SOUTH	WALL	CERAMIC	BEIGE	INTACT	Negative	0.01	mg / cm ^2
436	4953	1W	2	SOUTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.01	mg / cm ^2
437	4953	1W	2		CEILING	PLASTER	WHITE	INTACT	Negative	0.01	mg / cm ^2
438	4953	1W	2	SOUTH	FLOOR	CERAMIC	BROWN	INTACT	Negative	0.01	mg / cm ^2
439	4953	1W	3	NORTH	WALL	CONCRETE	BEIGE	INTACT	Negative	0.02	mg / cm ^2
440	4953	1W	3	NORTH	DOOR FRAME	METAL	BEIGE	INTACT	Negative	0.16	mg / cm ^2
441	4953	1W	3	WEST	HVAC	METAL	BEIGE	INTACT	Negative	0.01	mg / cm ^2
442	4953	1W	4	NORTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.27	mg / cm ^2
443	4953	1W	4	NORTH	WINDOW	CONCRETE	WHITE	DETERIORATED	Negative	0.08	mg / cm ^2
444	4953	1W	4		CEILING	PLASTER	WHITE	DETERIORATED	Negative	0.4	mg / cm ^2
445	4953	1W	4	NORTH	BED	METAL	WHITE	DETERIORATED	Negative	0.8	mg / cm ^2
446	4953	1W	4	SOUTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	0.07	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
447	4953	1W	5	NORTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	0.08	mg / cm ^2
448	4953	1W	5	NORTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.17	mg / cm ^2
449	4953	1W	5	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.16	mg / cm ^2
450	4953	1W	5	SOUTH	WINDOW	METAL	BLUE	DETERIORATED	Negative	0.2	mg / cm ^2
451	4953	1W	5	SOUTH	BED	METAL	WHITE	INTACT	Negative	0.5	mg / cm ^2
452	4953	1W	5		CEILING	PLASTER	WHITE	DETERIORATED	Negative	0.11	mg / cm ^2
453	4953	1W	6		CEILING	PLASTER	WHITE	DETERIORATED	Negative	0.14	mg / cm ^2
454	4953	1W	6	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.16	mg / cm ^2
455	4953	1W	6	SOUTH	WINDOW	METAL	BLUE	DETERIORATED	Negative	0.12	mg / cm ^2
456	4953	1W	6	SOUTH	BED	METAL	WHITE	INTACT	Negative	0.6	mg / cm ^2
457	4953	1W	6	NORTH	DOOR FRAME	METAL	WHITE	INTACT	Negative	0.03	mg / cm ^2
458	4953	1W	6		FLOOR	CONCRETE	BLUE	INTACT	Negative	0.03	mg / cm ^2
459	4953	1W	7	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.18	mg / cm ^2
460	4953	1W	7	NORTH	WINDOW	METAL	WHITE	DETERIORATED	Negative	0.3	mg / cm ^2
461	4953	1W	7		CEILING	PLASTER	WHITE	DETERIORATED	Negative	0.12	mg / cm ^2
462	4953	1W	7	NORTH	BED	METAL	WHITE	INTACT	Negative	0.5	mg / cm ^2
463	4953	1W	7	SOUTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	0.06	mg / cm ^2
464	4953	1W	8	NORTH	DOOR FRAME	METAL	BEIGE	INTACT	Negative	0.05	mg / cm ^2
465	4953	1W	8	NORTH	DOOR	METAL	BROWN	INTACT	Negative	0.18	mg / cm ^2
466	4953	1W	8	WEST	WALL	CONCRETE	BEIGE	INTACT	Negative	0.13	mg / cm ^2
467	4953	1W	8	WEST	BASEBOARD	CONCRETE	GRAY	INTACT	Negative	0.05	mg / cm ^2
468	4953	1W	9	EAST	BASEBOARD	CONCRETE	RED	INTACT	Negative	0.05	mg / cm ^2
469	4953	1W	9	EAST	WALL	CONCRETE	BEIGE	INTACT	Negative	0.04	mg / cm ^2
470	4953	1W	9		CEILING	CONCRETE	BEIGE	INTACT	Negative	0.02	mg / cm ^2
471	4953	1W	9	SOUTH	DOOR	METAL	BLUE	INTACT	Negative	0.21	mg / cm ^2
472	4953	1W	9	SOUTH	DOOR FRAME	METAL	BEIGE	INTACT	Negative	0.05	mg / cm ^2
473	4953	1W	10	WEST	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.14	mg / cm ^2
474	4953	1W	10	WEST	DOOR	METAL	BROWN	DETERIORATED	Negative	0.4	mg / cm ^2
475	4953	1W	10	SOUTH	WALL	CONCRETE	BEIGE	DETERIORATED	Negative	0.02	mg / cm ^2
476	4953	1W	10	SOUTH	BASEBOARD	CONCRETE	GRAY	DETERIORATED	Negative	0.06	mg / cm ^2
477	4953	1W	10	EAST	WALL	CONCRETE	BEIGE	DETERIORATED	Negative	0.04	mg / cm ^2
478	4953	1W	10	EAST	HAND RAIL	METAL	BLUE, LIGHT	DETERIORATED	Negative	0.1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
479	4953	1W	10	WEST	WINDOW	METAL	BLUE	DETERIORATED	Negative	0.15	mg / cm ^2
480	4953	1W	10	WEST	WALL	CONCRETE	BEIGE	DETERIORATED	Negative	0.03	mg / cm ^2
481	4953	2W	1	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.28	mg / cm ^2
482	4953	2W	1	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.25	mg / cm ^2
483	4953	2W	1	NORTH	WINDOW FRAME	METAL	BROWN	DETERIORATED	Negative	0.3	mg / cm ^2
484	4953	2W	1	SOUTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.29	mg / cm ^2
485	4953	2W	1	SOUTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.26	mg / cm ^2
486	4953	2W	1	SOUTH	DOOR	METAL	WHITE	DETERIORATED	Negative	0.2	mg / cm ^2
487	4953	2W	1	SOUTH	DOOR FRAME	METAL	WHITE	DETERIORATED	Negative	0.24	mg / cm ^2
488	4953	2W	1		CEILING	PLASTER	WHITE	INTACT	Negative	0.27	mg / cm ^2
489	4953	2W	1	NORTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.21	mg / cm ^2
490	4953	2W	1	NORTH	WINDOW FRAME	METAL	BROWN	DETERIORATED	Negative	0.28	mg / cm ^2
491	4953	2W	1	NORTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.26	mg / cm ^2
492	4953	2W	1	NORTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.14	mg / cm ^2
493	4953	2W	1	NORTH	WINDOW	METAL	WHITE	DETERIORATED	Negative	0.4	mg / cm ^2
494	4953	2W	2	NORTH	DOOR FRAME	METAL	BROWN	INTACT	Negative	0.08	mg / cm ^2
495	4953	2W	2	NORTH	DOOR	METAL	BROWN	INTACT	Negative	0.4	mg / cm ^2
496	4953	2W	2	NORTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.09	mg / cm ^2
497	4953	2W	2	SOUTH	DUCT	METAL	WHITE	DETERIORATED	Negative	0.02	mg / cm ^2
498	4953	2W	3	WEST	WALL	CERAMIC	BEIGE	INTACT	Negative	0.01	mg / cm ^2
499	4953	2W	3	WEST	WALL	CONCRETE	WHITE	INTACT	Negative	0.11	mg / cm ^2
500	4953	2W	3	WEST	FLOOR	CERAMIC	BROWN	INTACT	Negative	0	mg / cm ^2
501	4953	2W	4	WEST	FLOOR	CERAMIC	BROWN	INTACT	Negative	0.01	mg / cm ^2
502	4953	2W	4	WEST	WALL	CERAMIC	BEIGE	INTACT	Negative	0	mg / cm ^2
503	4953	2W	4	NORTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.5	mg / cm ^2
504	4953	2W	4	NORTH	WINDOW	METAL	GREEN	DETERIORATED	Negative	0.14	mg / cm ^2
505	4953	2W	4	WEST	WALL	CONCRETE	BROWN	DETERIORATED	Negative	0.6	mg / cm ^2
506	4953	2W	4	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.5	mg / cm ^2
507	4953	2W	4	WEST	BASEBOARD	CONCRETE	BROWN	DETERIORATED	Negative	0.3	mg / cm ^2
508	4953	2W	5	SOUTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.19	mg / cm ^2
509	4953	2W	5	SOUTH	WINDOW FRAME	METAL	BROWN	DETERIORATED	Negative	0.14	mg / cm ^2
510	4953	2W	5	NORTH	WALL	CERAMIC	BEIGE	INTACT	Negative	0.01	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
511	4953	2W	5	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.16	mg / cm ^2
512	4953	2W	5	NORTH	WINDOW	METAL	GREEN	DETERIORATED	Negative	0.24	mg / cm ^2
513	4953	2W	5	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.24	mg / cm ^2
514	4953	2W	6	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.25	mg / cm ^2
515	4953	2W	6	NORTH	WINDOW FRAME	METAL	BROWN	DETERIORATED	Negative	0.27	mg / cm ^2
516	4953	2W	6	NORTH	DOOR FRAME	METAL	BROWN	DETERIORATED	Negative	0.1	mg / cm ^2
517	4953	2W	6	NORTH	DOOR	METAL	BROWN	DETERIORATED	Negative	0.23	mg / cm ^2
518	4953	2W	6	WEST	WALL	CERAMIC	BEIGE	INTACT	Negative	0.01	mg / cm ^2
519	4953	2W	6	WEST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.26	mg / cm ^2
520	4953	2W	6	SOUTH	WINDOW	METAL	GREEN	DETERIORATED	Negative	0.24	mg / cm ^2
521	4953	2W	6	NORTH	BEAM	CONCRETE	WHITE	DETERIORATED	Negative	0.27	mg / cm ^2
522	4953	2W	6		CEILING	CONCRETE	WHITE	DETERIORATED	Negative	0.3	mg / cm ^2
523	4953	2W	6	NORTH	BRACKET	METAL	WHITE	DETERIORATED	Positive	2.8	mg / cm ^2
524	4953	2W	6	NORTH	LIGHT	METAL	WHITE	INTACT	Negative	0.04	mg / cm ^2
525	4953	BE	1	SOUTH	HAND RAIL	METAL	BLACK	DETERIORATED	Negative	0.23	mg / cm ^2
526	4953	BE	1	SOUTH	WALL	CONCRETE	WHITE	INTACT	Negative	0	mg / cm ^2
527	4953	BE	1	EAST	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0.02	mg / cm ^2
528	4953	BE	1	SOUTH	WINDOW	METAL	BEIGE	DETERIORATED	Negative	0.23	mg / cm ^2
529	4953	BE	1	WEST	TANK	METAL	BLUE	DETERIORATED	Negative	0	mg / cm ^2
530	4953	BE	1	WEST	TANK	METAL	GRAY	DETERIORATED	Negative	0.02	mg / cm ^2
531	4953	BE	1	EAST	TANK	METAL	GRAY	DETERIORATED	Negative	0.07	mg / cm ^2
532	4953	BE	1	NORTH	TANK	METAL	BROWN	DETERIORATED	Negative	0	mg / cm ^2
533	4953	BE	1	WEST	TANK	METAL	GRAY	DETERIORATED	Positive	1.4	mg / cm ^2
534	4953	BE	1	WEST	TANK	METAL	SILVER	DETERIORATED	Positive	3.3	mg / cm ^2
535	4953	BE	1	WEST	TANK	METAL	WHITE	DETERIORATED	Negative	0.03	mg / cm ^2
536	4953	BE	1	WEST	TANK	METAL	RED	DETERIORATED	Negative	0	mg / cm ^2
537	4953	BE	1	WEST	COLUMN	CONCRETE	WHITE	DETERIORATED	Negative	0.02	mg / cm ^2
538	4953	BE	1	NORTH	WALL	CONCRETE	WHITE	DETERIORATED	Negative	0	mg / cm ^2
539	4953	BE	1	NORTH	PIPE	METAL	WHITE	DETERIORATED	Negative	0.01	mg / cm ^2
540	4953	BE	2	NORTH	CABINET	METAL	GRAY	DETERIORATED	Negative	0.08	mg / cm ^2
541					CALIBRATE				Positive	1.1	mg / cm ^2
542					CALIBRATE				Positive	1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

**FORA
4953
XRF Sequential Report**

Reading No	Building	Floor	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
544					CALIBRATE				Positive	1.1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

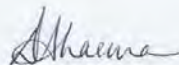
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-78738-1
Client Project/Site: FORA-Task 2

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/13/2017 4:40:47 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
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- 10
- 11
- 12
- 13
- 14
- 15



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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Job ID: 720-78738-1

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-78738-1**

Comments

No additional comments.

Receipt

The sample was received on 4/5/2017 1:15 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 8.3° C.

GC Semi VOA

Method 8082: The following samples required a tetrabutylammonium sulfite (TBA) clean-up to reduce matrix interferences caused by sulfur: 4953-PCB01 (720-78738-1), (LCS 720-221081/2-A), (MB 720-221081/1-A), (720-78764-A-2-G), (720-78764-A-2-E MS) and (720-78764-A-2-F MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Client Sample ID: 4953-PCB01

Lab Sample ID: 720-78738-1

No Detections.

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This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Client Sample ID: 4953-PCB01

Lab Sample ID: 720-78738-1

Date Collected: 04/05/17 09:00

Matrix: Solid

Date Received: 04/05/17 13:15

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		04/12/17 09:26	04/13/17 03:45	1
PCB-1221	ND		49		ug/Kg		04/12/17 09:26	04/13/17 03:45	1
PCB-1232	ND		49		ug/Kg		04/12/17 09:26	04/13/17 03:45	1
PCB-1242	ND		49		ug/Kg		04/12/17 09:26	04/13/17 03:45	1
PCB-1248	ND		49		ug/Kg		04/12/17 09:26	04/13/17 03:45	1
PCB-1254	ND		49		ug/Kg		04/12/17 09:26	04/13/17 03:45	1
PCB-1260	ND		49		ug/Kg		04/12/17 09:26	04/13/17 03:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	59		45 - 132	04/12/17 09:26	04/13/17 03:45	1
DCB Decachlorobiphenyl	44		42 - 146	04/12/17 09:26	04/13/17 03:45	1

Surrogate Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (45-132)	DCB1 (42-146)
720-78738-1	4953-PCB01	59	44
LCS 720-221081/2-A	Lab Control Sample	73	78
MB 720-221081/1-A	Method Blank	73	83

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCB = DCB Decachlorobiphenyl

QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 720-221081/1-A

Matrix: Solid

Analysis Batch: 221071

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 221081

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		04/12/17 09:24	04/13/17 00:08	1
PCB-1221	ND		50		ug/Kg		04/12/17 09:24	04/13/17 00:08	1
PCB-1232	ND		50		ug/Kg		04/12/17 09:24	04/13/17 00:08	1
PCB-1242	ND		50		ug/Kg		04/12/17 09:24	04/13/17 00:08	1
PCB-1248	ND		50		ug/Kg		04/12/17 09:24	04/13/17 00:08	1
PCB-1254	ND		50		ug/Kg		04/12/17 09:24	04/13/17 00:08	1
PCB-1260	ND		50		ug/Kg		04/12/17 09:24	04/13/17 00:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	73		45 - 132	04/12/17 09:24	04/13/17 00:08	1
DCB Decachlorobiphenyl	83		42 - 146	04/12/17 09:24	04/13/17 00:08	1

Lab Sample ID: LCS 720-221081/2-A

Matrix: Solid

Analysis Batch: 221071

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 221081

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	133	98.1		ug/Kg		74	65 - 121
PCB-1260	133	102		ug/Kg		77	68 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	73		45 - 132
DCB Decachlorobiphenyl	78		42 - 146

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

GC Semi VOA

Analysis Batch: 221071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-78738-1	4953-PCB01	Total/NA	Solid	8082	221081
MB 720-221081/1-A	Method Blank	Total/NA	Solid	8082	221081
LCS 720-221081/2-A	Lab Control Sample	Total/NA	Solid	8082	221081

Prep Batch: 221081

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-78738-1	4953-PCB01	Total/NA	Solid	3546	
MB 720-221081/1-A	Method Blank	Total/NA	Solid	3546	
LCS 720-221081/2-A	Lab Control Sample	Total/NA	Solid	3546	

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Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Client Sample ID: 4953-PCB01

Lab Sample ID: 720-78738-1

Date Collected: 04/05/17 09:00

Matrix: Solid

Date Received: 04/05/17 13:15

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			221081	04/12/17 09:26	TTC	TAL PLS
Total/NA	Analysis	8082		1	221071	04/13/17 03:45	DCH	TAL PLS

Laboratory References:

EMSL = EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA 94577

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Method	Method Description	Protocol	Laboratory
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PLS
Crush & Grind	General Sub Contract Method	NONE	EMSL

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EMSL = EMSL Analytical, Inc., 464 McCormick St., San Leandro, CA 94577

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Task 2

TestAmerica Job ID: 720-78738-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-78738-1	4953-PCB01	Solid	04/05/17 09:00	04/05/17 13:15

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Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-78738-1

Login Number: 78738

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Arauz, Dennis

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

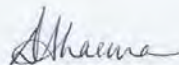
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79051-1
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/28/2017 5:18:08 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

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results through
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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Job ID: 720-79051-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-79051-1

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The following sample was diluted due to the abundance of non-target analytes: 4953-T22-03 (720-79051-3). Elevated reporting limits (RLs) are provided.

Method 6010B: The following sample was diluted to bring the concentration of target analytes Pb, Zn within the calibration range: 4953-T22-01 (720-79051-1) and 4953-T22-02 (720-79051-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Client Sample ID: 4953-T22-01

Lab Sample ID: 720-79051-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	930		3.8		mg/Kg	10		6010B	Total/NA
Arsenic	10		7.6		mg/Kg	10		6010B	Total/NA
Barium	100		3.8		mg/Kg	10		6010B	Total/NA
Cadmium	18		0.95		mg/Kg	10		6010B	Total/NA
Chromium	1900		3.8		mg/Kg	10		6010B	Total/NA
Cobalt	160		1.5		mg/Kg	10		6010B	Total/NA
Copper	76		11		mg/Kg	10		6010B	Total/NA
Lead	14000		3.8		mg/Kg	10		6010B	Total/NA
Molybdenum	9.3		3.8		mg/Kg	10		6010B	Total/NA
Nickel	4.9		3.8		mg/Kg	10		6010B	Total/NA
Silver	2.0		1.9		mg/Kg	10		6010B	Total/NA
Vanadium	7.3		3.8		mg/Kg	10		6010B	Total/NA
Zinc	9600		11		mg/Kg	10		6010B	Total/NA
Mercury	4.2		0.040		mg/Kg	4		7471A	Total/NA

Client Sample ID: 4953-T22-02

Lab Sample ID: 720-79051-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	340		4.3		mg/Kg	10		6010B	Total/NA
Cadmium	5.3		1.1		mg/Kg	10		6010B	Total/NA
Chromium	800		4.3		mg/Kg	10		6010B	Total/NA
Cobalt	160		1.7		mg/Kg	10		6010B	Total/NA
Copper	28		13		mg/Kg	10		6010B	Total/NA
Lead	9400		4.3		mg/Kg	10		6010B	Total/NA
Nickel	5.1		4.3		mg/Kg	10		6010B	Total/NA
Vanadium	5.6		4.3		mg/Kg	10		6010B	Total/NA
Zinc	8800		13		mg/Kg	10		6010B	Total/NA
Mercury	8.5		0.098		mg/Kg	10		7471A	Total/NA

Client Sample ID: 4953-T22-03

Lab Sample ID: 720-79051-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	110		1.8		mg/Kg	4		6010B	Total/NA
Chromium	7.6		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	3.7		0.72		mg/Kg	4		6010B	Total/NA
Copper	71		5.4		mg/Kg	4		6010B	Total/NA
Lead	15		1.8		mg/Kg	4		6010B	Total/NA
Nickel	21		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	13		1.8		mg/Kg	4		6010B	Total/NA
Zinc	170		5.4		mg/Kg	4		6010B	Total/NA
Mercury	0.078		0.0086		mg/Kg	1		7471A	Total/NA

Client Sample ID: 4953-T22-04

Lab Sample ID: 720-79051-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	68		1.7		mg/Kg	4		6010B	Total/NA
Arsenic	3.6		3.4		mg/Kg	4		6010B	Total/NA
Barium	780		1.7		mg/Kg	4		6010B	Total/NA
Cadmium	1.5		0.42		mg/Kg	4		6010B	Total/NA
Chromium	29		1.7		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Client Sample ID: 4953-T22-04 (Continued)

Lab Sample ID: 720-79051-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cobalt	54		0.67		mg/Kg	4		6010B	Total/NA
Copper	35		5.0		mg/Kg	4		6010B	Total/NA
Lead	380		1.7		mg/Kg	4		6010B	Total/NA
Nickel	100		1.7		mg/Kg	4		6010B	Total/NA
Vanadium	28		1.7		mg/Kg	4		6010B	Total/NA
Zinc	670		5.0		mg/Kg	4		6010B	Total/NA
Mercury	0.13		0.0094		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Client Sample ID: 4953-T22-01

Lab Sample ID: 720-79051-1

Date Collected: 04/21/17 10:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	930		3.8		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Arsenic	10		7.6		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Barium	100		3.8		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Beryllium	ND		0.76		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Cadmium	18		0.95		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Chromium	1900		3.8		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Cobalt	160		1.5		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Copper	76		11		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Lead	14000		3.8		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Molybdenum	9.3		3.8		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Nickel	4.9		3.8		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Selenium	ND		7.6		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Silver	2.0		1.9		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Thallium	ND		3.8		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Vanadium	7.3		3.8		mg/Kg		04/25/17 19:34	04/28/17 13:38	10
Zinc	9600		11		mg/Kg		04/25/17 19:34	04/28/17 13:38	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	4.2		0.040		mg/Kg		04/24/17 13:48	04/25/17 13:00	4

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Client Sample ID: 4953-T22-02

Lab Sample ID: 720-79051-2

Date Collected: 04/21/17 10:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		4.3		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Arsenic	ND		8.6		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Barium	340		4.3		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Beryllium	ND		0.86		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Cadmium	5.3		1.1		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Chromium	800		4.3		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Cobalt	160		1.7		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Copper	28		13		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Lead	9400		4.3		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Molybdenum	ND		4.3		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Nickel	5.1		4.3		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Selenium	ND		8.6		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Silver	ND		2.2		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Thallium	ND		4.3		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Vanadium	5.6		4.3		mg/Kg		04/25/17 19:34	04/28/17 13:44	10
Zinc	8800		13		mg/Kg		04/25/17 19:34	04/28/17 13:44	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	8.5		0.098		mg/Kg		04/24/17 13:48	04/25/17 13:12	10

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Client Sample ID: 4953-T22-03

Lab Sample ID: 720-79051-3

Date Collected: 04/21/17 10:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Arsenic	ND		3.6		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Barium	110		1.8		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Beryllium	ND		0.36		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Cadmium	ND		0.45		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Chromium	7.6		1.8		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Cobalt	3.7		0.72		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Copper	71		5.4		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Lead	15		1.8		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Molybdenum	ND		1.8		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Nickel	21		1.8		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Selenium	ND		3.6		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Silver	ND		0.90		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Thallium	ND		1.8		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Vanadium	13		1.8		mg/Kg		04/25/17 19:34	04/27/17 19:46	4
Zinc	170		5.4		mg/Kg		04/25/17 19:34	04/27/17 19:46	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.078		0.0086		mg/Kg		04/24/17 13:48	04/25/17 12:10	1

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Client Sample ID: 4953-T22-04

Lab Sample ID: 720-79051-4

Date Collected: 04/21/17 10:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	68		1.7		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Arsenic	3.6		3.4		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Barium	780		1.7		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Beryllium	ND		0.34		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Cadmium	1.5		0.42		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Chromium	29		1.7		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Cobalt	54		0.67		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Copper	35		5.0		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Lead	380		1.7		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Molybdenum	ND		1.7		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Nickel	100		1.7		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Selenium	ND		3.4		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Silver	ND		0.84		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Thallium	ND		1.7		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Vanadium	28		1.7		mg/Kg		04/25/17 19:34	04/27/17 19:52	4
Zinc	670		5.0		mg/Kg		04/25/17 19:34	04/27/17 19:52	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.13		0.0094		mg/Kg		04/24/17 13:48	04/25/17 12:12	1

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-221833/1-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Arsenic	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Barium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Beryllium	ND		0.10		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cadmium	ND		0.13		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Chromium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cobalt	ND		0.20		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Copper	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Lead	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Molybdenum	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Nickel	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Selenium	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Silver	ND		0.25		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Thallium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Vanadium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Zinc	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1

Lab Sample ID: LCS 720-221833/2-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	48.3		mg/Kg		97	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	49.5		mg/Kg		99	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	50.1		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	24.4		mg/Kg		98	80 - 120
Thallium	50.0	50.0		mg/Kg		100	80 - 120
Vanadium	50.0	48.9		mg/Kg		98	80 - 120
Zinc	50.0	48.8		mg/Kg		98	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-221698/1-A
Matrix: Solid
Analysis Batch: 221844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/24/17 13:48	04/25/17 11:30	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-221698/2-A
Matrix: Solid
Analysis Batch: 221844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.719		mg/Kg		86	80 - 120

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QC Association Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Metals

Prep Batch: 221698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-1	4953-T22-01	Total/NA	Solid	7471A	
720-79051-2	4953-T22-02	Total/NA	Solid	7471A	
720-79051-3	4953-T22-03	Total/NA	Solid	7471A	
720-79051-4	4953-T22-04	Total/NA	Solid	7471A	
MB 720-221698/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-221698/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Prep Batch: 221833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-1	4953-T22-01	Total/NA	Solid	3050B	
720-79051-2	4953-T22-02	Total/NA	Solid	3050B	
720-79051-3	4953-T22-03	Total/NA	Solid	3050B	
720-79051-4	4953-T22-04	Total/NA	Solid	3050B	
MB 720-221833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 221844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-1	4953-T22-01	Total/NA	Solid	7471A	221698
720-79051-2	4953-T22-02	Total/NA	Solid	7471A	221698
720-79051-3	4953-T22-03	Total/NA	Solid	7471A	221698
720-79051-4	4953-T22-04	Total/NA	Solid	7471A	221698
MB 720-221698/1-A	Method Blank	Total/NA	Solid	7471A	221698
LCS 720-221698/2-A	Lab Control Sample	Total/NA	Solid	7471A	221698

Analysis Batch: 222056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-3	4953-T22-03	Total/NA	Solid	6010B	221833
720-79051-4	4953-T22-04	Total/NA	Solid	6010B	221833
MB 720-221833/1-A	Method Blank	Total/NA	Solid	6010B	221833
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	6010B	221833

Analysis Batch: 222091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-1	4953-T22-01	Total/NA	Solid	6010B	221833
720-79051-2	4953-T22-02	Total/NA	Solid	6010B	221833

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Client Sample ID: 4953-T22-01

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		10	222091	04/28/17 13:38	ASB	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		4	221844	04/25/17 13:00	OBI	TAL PLS

Client Sample ID: 4953-T22-02

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		10	222091	04/28/17 13:44	ASB	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		10	221844	04/25/17 13:12	OBI	TAL PLS

Client Sample ID: 4953-T22-03

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-3

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		4	222056	04/27/17 19:46	CAM	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221844	04/25/17 12:10	OBI	TAL PLS

Client Sample ID: 4953-T22-04

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		4	222056	04/27/17 19:52	CAM	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221844	04/25/17 12:12	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79051-1	4953-T22-01	Solid	04/21/17 10:00	04/21/17 12:35
720-79051-2	4953-T22-02	Solid	04/21/17 10:00	04/21/17 12:35
720-79051-3	4953-T22-03	Solid	04/21/17 10:00	04/21/17 12:35
720-79051-4	4953-T22-04	Solid	04/21/17 10:00	04/21/17 12:35

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TestAmerica Pleasanton
1220 Quarry Lane

Chain of Custody Record

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Regulatory Program: DW NPDES RCRA Other:

TestAmerica Laboratories, Inc.
175463

Client Contact: Vista Environmental Consulting
Project Manager: Chris Burms
Date: _____
Carrier: _____

Tel/Fax: 2984 Teagarden Street
Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS

San Leandro, CA 94577
TAT if different from Below
 2 weeks
 1 week
 2 days
 1 day

510-346-8860 FAX
FORA - Stockade
Task 3 - 4953
171091001

Sample Identification	Sample Date	Sample Time	Sample Type (C-Comp, G-Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Lab Contact:	Site Contact:
4953-T22-01	4/21/2017	1000	C	Solid	1	X	X		
4953-T22-02	4/21/2017	1000	C	Solid	1	X	X		
4953-T22-03	4/21/2017	1000	C	Solid	1	X	X		
4953-T22-04	4/21/2017	1000	C	Solid	1	X	X		



720-79051 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments: Please email report to chrisburns@vista-env.com & mollie@vista-env.com
 Non-Hazard Flammable Skin Irritant Poison 8 Unknown Return to Client Disposal by Lab Archive for _____ Months

Custody Seals Intact Yes No
Custody Seal No.: _____
Cooler Temp (°C) Obs'd: _____
Term ID No.: _____

Relinquished by: *Chris Burms*
Company: *VISTA*
Date/Time: *04/21/17 12:35*
Received by: *[Signature]*
Company: *TA*
Date/Time: *4/21/17 12:35*

Relinquished by: _____
Company: _____
Date/Time: _____
Received in Laboratory by: _____
Company: _____
Date/Time: _____

Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79051-1

Login Number: 79051
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79051-2
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
6/6/2017 10:01:21 AM
Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

Designee for
Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Job ID: 720-79051-2

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79051-2**

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method(s) 6010B: The serial dilution performed for the following sample associated with batch 720-223726 was outside control limits: (720-79051-A-1-F SD)

Method(s) 6010B: The serial dilution performed for the following sample associated with batch 720-224207 was outside control limits: (720-79051-A-2-F SD)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Client Sample ID: 4953-T22-01

Lab Sample ID: 720-79051-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	5.2		0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4953-T22-02

Lab Sample ID: 720-79051-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	15		0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4953-T22-04

Lab Sample ID: 720-79051-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	7.1		0.050		mg/L	1		6010B	TCLP
Lead	5.7		0.050		mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Client Sample ID: 4953-T22-01

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-1

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.2		0.050		mg/L		05/25/17 10:30	05/26/17 09:57	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Client Sample ID: 4953-T22-02

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-2

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15		0.050		mg/L		06/01/17 09:08	06/05/17 17:46	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Client Sample ID: 4953-T22-04

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-4

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	7.1		0.050		mg/L		05/31/17 10:02	05/31/17 23:36	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5.7		0.050		mg/L		05/31/17 14:53	05/31/17 18:07	1

- 1
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QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-223629/1-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/25/17 10:30	05/26/17 09:20	1

Lab Sample ID: LCS 720-223629/2-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.963		mg/L		96	80 - 120

Lab Sample ID: MB 720-223988/1-A
Matrix: Solid
Analysis Batch: 224207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		06/01/17 09:08	06/05/17 17:15	1

Lab Sample ID: LCS 720-223988/2-A
Matrix: Solid
Analysis Batch: 224207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223988

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.980		mg/L		98	80 - 120

Lab Sample ID: MB 720-223934/1-A
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 223934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/31/17 14:50	05/31/17 16:12	1

Lab Sample ID: LCS 720-223934/2-A
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 223934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.982		mg/L		98	80 - 120

Lab Sample ID: LB 720-223507/1-B
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223629

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/25/17 10:30	05/26/17 09:31	1

Lab Sample ID: 720-79051-1 MS
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: 4953-T22-01
Prep Type: TCLP
Prep Batch: 223629

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Lead	5.2		10.0	14.1		mg/L		89	75 - 125

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Lab Sample ID: 720-79051-1 MSD
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: 4953-T22-01
Prep Type: TCLP
Prep Batch: 223629

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Lead	5.2		10.0	14.1		mg/L		89	75 - 125	0	20

Lab Sample ID: LB 720-223805/22-B
Matrix: Solid
Analysis Batch: 223972

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223889

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.050		mg/L		05/31/17 10:02	05/31/17 23:30	1

Lab Sample ID: LB 720-223844/1-B
Matrix: Solid
Analysis Batch: 224207

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223988

Analyte	LB	LB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.050		mg/L		06/01/17 09:08	06/05/17 17:19	1

Lab Sample ID: 720-79051-2 MS
Matrix: Solid
Analysis Batch: 224207

Client Sample ID: 4953-T22-02
Prep Type: TCLP
Prep Batch: 223988

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Lead	15		10.0	24.9		mg/L		94	75 - 125		

Lab Sample ID: 720-79051-2 MSD
Matrix: Solid
Analysis Batch: 224207

Client Sample ID: 4953-T22-02
Prep Type: TCLP
Prep Batch: 223988

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Lead	15		10.0	25.2		mg/L		97	75 - 125	1	20

Lab Sample ID: LB4 720-223784/1-C
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 223934

Analyte	LB4	LB4	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		0.050		mg/L		05/31/17 14:53	05/31/17 18:03	1

TestAmerica Pleasanton

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Metals

Leach Batch: 223507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-1	4953-T22-01	TCLP	Solid	1311	
LB 720-223507/1-B	Method Blank	TCLP	Solid	1311	
720-79051-1 MS	4953-T22-01	TCLP	Solid	1311	
720-79051-1 MSD	4953-T22-01	TCLP	Solid	1311	

Prep Batch: 223629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-1	4953-T22-01	TCLP	Solid	3010A	223507
LB 720-223507/1-B	Method Blank	TCLP	Solid	3010A	223507
MB 720-223629/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	3010A	
720-79051-1 MS	4953-T22-01	TCLP	Solid	3010A	223507
720-79051-1 MSD	4953-T22-01	TCLP	Solid	3010A	223507

Analysis Batch: 223726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-1	4953-T22-01	TCLP	Solid	6010B	223629
LB 720-223507/1-B	Method Blank	TCLP	Solid	6010B	223629
MB 720-223629/1-A	Method Blank	Total/NA	Solid	6010B	223629
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	6010B	223629
720-79051-1 MS	4953-T22-01	TCLP	Solid	6010B	223629
720-79051-1 MSD	4953-T22-01	TCLP	Solid	6010B	223629

Leach Batch: 223784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-4	4953-T22-04	STLC Citrate	Solid	CA WET Citrate	
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 223805

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-4	4953-T22-04	TCLP	Solid	1311	
LB 720-223805/22-B	Method Blank	TCLP	Solid	1311	

Leach Batch: 223844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-2	4953-T22-02	TCLP	Solid	1311	
LB 720-223844/1-B	Method Blank	TCLP	Solid	1311	
720-79051-2 MS	4953-T22-02	TCLP	Solid	1311	
720-79051-2 MSD	4953-T22-02	TCLP	Solid	1311	

Prep Batch: 223889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-4	4953-T22-04	TCLP	Solid	3010A	223805
LB 720-223805/22-B	Method Blank	TCLP	Solid	3010A	223805

Prep Batch: 223934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-4	4953-T22-04	STLC Citrate	Solid	3005A	223784
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	3005A	223784
MB 720-223934/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 720-223934/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	

TestAmerica Pleasanton

QC Association Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Analysis Batch: 223960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-4	4953-T22-04	STLC Citrate	Solid	6010B	223934
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	6010B	223934
MB 720-223934/1-A	Method Blank	Total Recoverable	Solid	6010B	223934
LCS 720-223934/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	223934

Analysis Batch: 223972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-4	4953-T22-04	TCLP	Solid	6010B	223889
LB 720-223805/22-B	Method Blank	TCLP	Solid	6010B	223889

Prep Batch: 223988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-2	4953-T22-02	TCLP	Solid	3010A	223844
LB 720-223844/1-B	Method Blank	TCLP	Solid	3010A	223844
MB 720-223988/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223988/2-A	Lab Control Sample	Total/NA	Solid	3010A	
720-79051-2 MS	4953-T22-02	TCLP	Solid	3010A	223844
720-79051-2 MSD	4953-T22-02	TCLP	Solid	3010A	223844

Analysis Batch: 224207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79051-2	4953-T22-02	TCLP	Solid	6010B	223988
LB 720-223844/1-B	Method Blank	TCLP	Solid	6010B	223988
MB 720-223988/1-A	Method Blank	Total/NA	Solid	6010B	223988
LCS 720-223988/2-A	Lab Control Sample	Total/NA	Solid	6010B	223988
720-79051-2 MS	4953-T22-02	TCLP	Solid	6010B	223988
720-79051-2 MSD	4953-T22-02	TCLP	Solid	6010B	223988

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Client Sample ID: 4953-T22-01

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 09:57	BKR	TAL PLS

Client Sample ID: 4953-T22-02

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223844	05/31/17 14:10	JNG	TAL PLS
TCLP	Prep	3010A			223988	06/01/17 09:08	JNG	TAL PLS
TCLP	Analysis	6010B		1	224207	06/05/17 17:46	BKR	TAL PLS

Client Sample ID: 4953-T22-04

Date Collected: 04/21/17 10:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79051-4

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			223784	05/29/17 12:08	JNG	TAL PLS
STLC Citrate	Prep	3005A			223934	05/31/17 14:53	JNG	TAL PLS
STLC Citrate	Analysis	6010B		1	223960	05/31/17 18:07	CAM	TAL PLS
TCLP	Leach	1311			223805	05/30/17 16:50	JNG	TAL PLS
TCLP	Prep	3010A			223889	05/31/17 10:02	JNG	TAL PLS
TCLP	Analysis	6010B		1	223972	05/31/17 23:36	CAM	TAL PLS

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
Crush & Grind	General Sub Contract Method	NONE	

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79051-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79051-1	4953-T22-01	Solid	04/21/17 10:00	04/21/17 12:35
720-79051-2	4953-T22-02	Solid	04/21/17 10:00	04/21/17 12:35
720-79051-4	4953-T22-04	Solid	04/21/17 10:00	04/21/17 12:35

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720-79051-2

Sharma, Dimple

From: Chris Burns <chrisburns@vista-env.com>
Sent: Thursday, May 18, 2017 9:51 AM
To: Molli Rothman; Sharma, Dimple
Subject: Fwd: FORA
Attachments: TCLP and STLC Worksheet.xlsx; ATT00001.htm

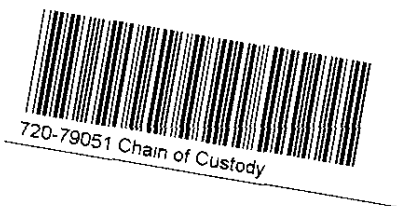
Dimple,
Please refer to the attached spreadsheet for the additional analysis we need run. Please let me know if you have any questions and confirm receipt of this request.

Thanks,
Christopher Burns
Vista Environmental Consulting
(925) 348-5361

Begin forwarded message:

From: "Molli Rothman" <molli@vista-env.com>
Date: May 18, 2017 at 9:35:25 AM PDT
To: <chrisburns@vista-env.com>
Subject: FORA

Molli Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
molli@vista-env.com



Stockade Waste Profiles

BLDG	LAB REPORT	Sample No	Analyte	Analysis
4950	720-79057-1	4950-T22_01	Pb	TCLP
		4950-T22_02	Pb	TCLP
		4950-T22_03	Cr & Pb	TCLP
4951	720-79058-1	4951-T22_01	Pb & Hg	TCLP
		4951-T22_02	Pb	TCLP
		4951-T22_03	Pb	TCLP
4952	720-79056-1	4952-T22_01	Pb	TCLP
		4952-T22_02	Pb	TCLP
4953	720-79051-1	4953-T22_01	Pb	TCLP
		4953-T22_02	Pb	TCLP
		4953-T22_03	Nothing	Nothing
		4953-T22_04	Pb	TCLP & STLC
4954	720-79052-1	4954-T22_01	Pb	TCLP
		4954-T22_02	Cr & Pb	TCLP & STLC
4955	720-79053-1	4955-T22_01	Pb	TCLP & STLC
4956	720-79054-1	4956-T22_01	Pb	TCLP
		4956-T22_02	Cr & Pb	TCLP
4957	720-79055-1	4957-T22_01	Hg	TCLP
		4957-T22_02	Hg	TCLP & STLC



Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79051-2

Login Number: 79051
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

BUILDING 4954



The information contained in these appendices are not stand alone documents and should not be separated from this report. For specific regulatory requirements regarding these materials please refer to the information provided in the Main Report. Quantities and locations listed in the tables are order of magnitude estimates and are not to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, prior to bidding.

MBARD classifications are based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification. MBARD & Cal-OSHA classifications are based on the materials being >1% asbestos pending further analytical data that proves otherwise.

BUILDING 4954

HAZARDOUS MATERIALS SUMMARY

Asbestos

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
B	Sealant	White, Exterior Penetrations & Seams	Roof - Penetrations and Seams	Class II	Category I - Non-Friable	30 SF (360 LF)

Lead-Based Paint and Materials

Reading No	Room	Side	Component	Substrate	Color	Condition	Pb	Units
36	4	South	Door Frame	Metal	Beige	Deteriorated	1.4	mg/cm ²

All remaining tested materials had lead concentrations in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1.

Other Hazardous Materials

MATERIAL	CONTAMINANT	ESTIMATED QUANTITY
Fluorescent Tubes (4' Length)	Universal Waste	25
Light Fixture Ballasts	Polychlorinated Biphenyls	14

Note: Animal fecal matter was seen in Room 1, South East Side.

BUILDING 4954
HAZARDOUS MATERIALS SUMMARY

Waste Characterization Estimate

Interior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	29	mg/kg	29	500	No	No	NA	NA
Barium	150	mg/kg	150	10,000	No	No	NA	NA
Chromium	110	mg/kg	110	2,500	No	YES	NA	NA
Cobalt	200	mg/kg	200	8,000	No	No	NA	NA
Copper	20	mg/kg	20	2,500	No	No	NA	NA
Lead	3600	mg/kg	3600	1,000	YES	No	25	YES
Nickel	4.7	mg/kg	4.7	2,000	No	No	NA	NA
Vanadium	5.6	mg/kg	5.6	2,400	No	No	NA	NA
Zinc	81	mg/kg	81	5,000	No	No	NA	NA
Mercury	0.21	mg/kg	0.21	20	No	No	NA	NA

Other (Painted CMU, Wood & Drywall)

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	STLC Lab Results (mg/l)	STLC Level (mg/l)	Exceed the Cal/Haz Level?	Need TCLP?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Barium	65	mg/kg	65	10,000	No	No	NA	100	No	No	NA	NA
Cadmium	0.65	mg/kg	0.65	100	No	No	NA	1	No	No	NA	NA
Chromium	140	mg/kg	140	2,500	No	YES	1.1	5	No	No	0	No
Cobalt	15	mg/kg	15	8,000	No	No	NA	80	No	NA	NA	NA
Copper	14	mg/kg	14	2,500	No	No	NA	25	No	NA	NA	NA
Lead	650	mg/kg	650	1,000	No	YES	0.37	5	No	No	0	No
Nickel	3.7	mg/kg	3.7	2,000	No	No	NA	20	No	NA	NA	NA
Vanadium	8	mg/kg	8	2,400	No	No	NA	24	No	NA	NA	NA
Zinc	640	mg/kg	640	5,000	No	No	NA	250	No	NA	NA	NA
Mercury	0.38	mg/kg	0.38	20	No	No	NA	0.2	No	No	NA	NA

Shaded sample results were below the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCLab level. However, Soluble Threshold Limit Concentration (STLC) testing and analysis would be needed to see if it is a California Hazardous Waste, and Toxicity Characteristic Leaching Procedure (TCLP) testing and analysis would be needed to determine if it is a Federal RCRA Hazardous Waste.

Bolded sample results were above the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCLab and or STLC level and would be considered a California Hazardous Waste. TCLP testing and analysis may be needed to determine if it is a Federal RCRA Hazardous Waste.




BUILDING 4954 HAZARDOUS MATERIALS SUMMARY

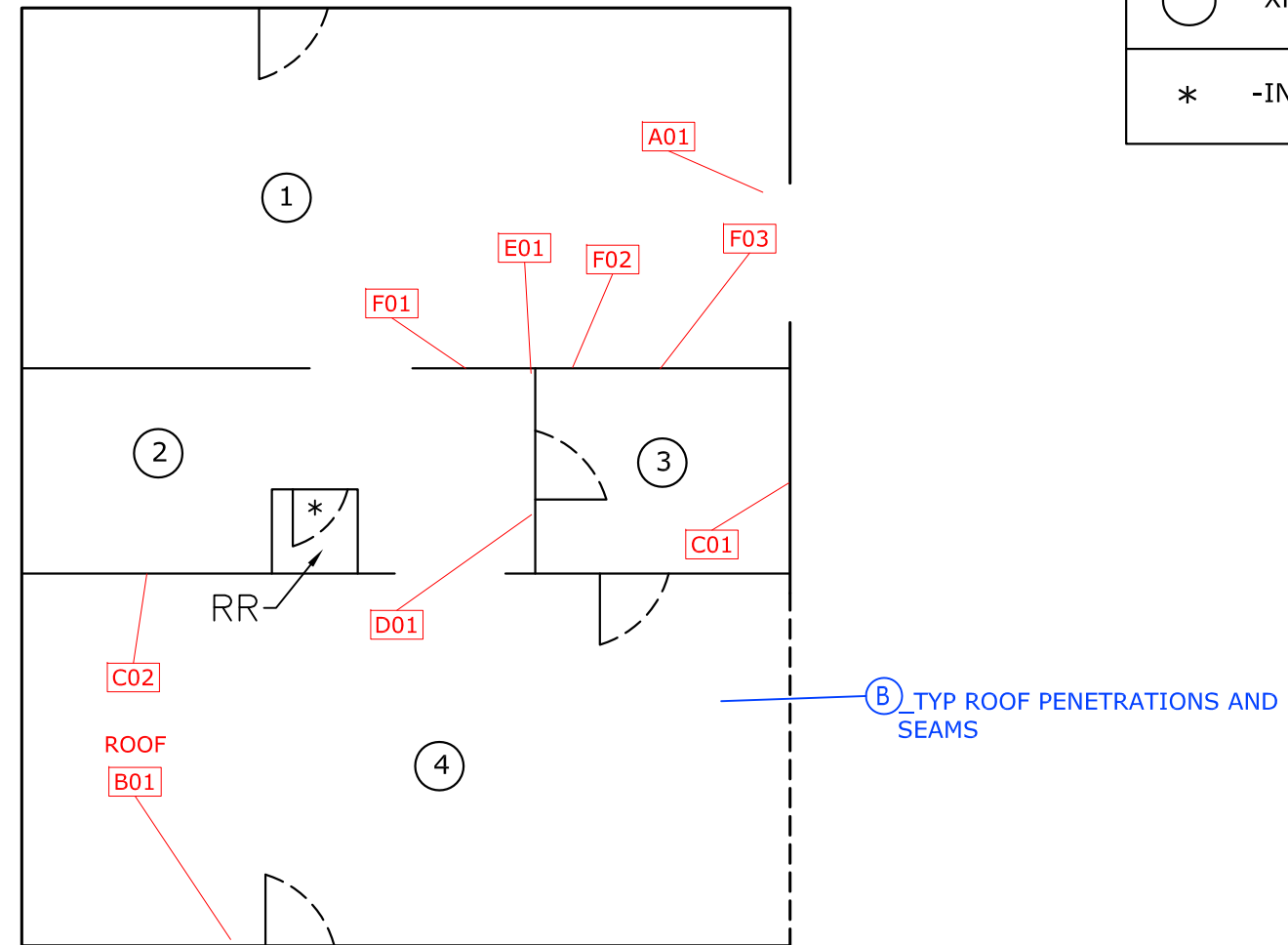
Shaded and Bolded sample results are considered a Federal RCRA Hazardous Waste.

Tested metals not listed were below the reporting limit, which represents the lowest amount of analyte that the laboratory can confidently detect in the sample.

**BUILDING 4954
ASBESTOS SAMPLING INVENTORY**

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Concrete	Gray, Foundation	1
B	Sealant	White, Exterior Penetrations & Seams	1
C	Paint/Concrete Masonry Unit	Beige/Gray/Gray	2
D	Wallboard/joint Compound	White/White	1
E	Vinyl Floor Tile/Mastic	12" White/Black, on Wall	1
F	Texture Coat	Green, Small, on Concrete Masonry Unit	3

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-ASBESTOS MATERIAL LOCATION
	-XRF ROOM NUMBERS
*	-INACCESSIBLE



BUILDING 4954
PHOTO DOCUMENTATION





Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B236887
Date Received: 03/28/17
Date Analyzed: 03/29/17
Date Printed: 03/30/17
First Reported: 03/30/17

Job ID/Site: 17191001 - FORA, Stockdale Bldg. #4954

FALI Job ID: L1161
Total Samples Submitted: 9
Total Samples Analyzed: 9

Date(s) Collected: 03/27/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4954-A-01	11873098						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4954-B-01	11873099						
Layer: Grey Non-Fibrous Material		Chrysotile	5 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (5%)					
Cellulose (Trace)							
4954-C-01	11873100						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4954-C-02	11873101						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4954-D-01	11873102						
Layer: White Drywall			ND				
Layer: Paint			ND				
Layer: Off-White Joint Compound			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %) Fibrous Glass (10 %)							
4954-E-01	11873103						
Layer: White Tile			ND				
Layer: Black Mastic			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Vista Environmental Consultants

Report Number: B236887

Date Printed: 03/30/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4954-F-01	11873104						
Layer: Blue Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4954-F-02	11873105						
Layer: Blue Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4954-F-03	11873106						
Layer: Blue Plaster			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/27/17

LOCATION: Stockade Bldg# 4954

PROJECT NUMBER: 17191001

SAMPLED BY: CHRIS BURNS

CAC OR SST No: 92-0224

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4954	A	01	Concrete	Gray, Foundation		
4954	B	01	Sealant	White, Ext Penetrations & Seams		
4954	C	01	PAINT/CMU/GROUT	Beige/Gray/Gray		
4954	C	02	↓	↓	↓	
4954	D	01	NB/IC	White/white		
4954	E	01	VET/MAS	12" white/Black, ON WALL		
4954	F	01	Texture Coat	Green, Small, ON CMU		
4954	F	02	↓	↓	↓	
4954	F	03	↓	↓	↓	
9 Samples						

ANALYTICAL METHOD: PLM 200 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS:

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE Chris Elliott PRINTED NAME 3/28/17 1335 DATE/TIME

2. [Signature] TRANSFER SIGNATURE C Moreno PRINTED NAME 4pm d/s DATE/TIME

3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME



**FORA
4954
XRF Sequential Report**

Reading No	Building	Room	Side	Component	Substrate	Color	Condition	Results	PbC	Units
27	4954	1	EAST	BEAM	METAL	RED	INTACT	Negative	0	mg / cm ^2
28	4954	1	SOUTH	WALL	CONCRETE	GREEN	INTACT	Negative	0.01	mg / cm ^2
29	4954	1	SOUTH	WALL	WOOD	BEIGE	INTACT	Negative	0	mg / cm ^2
30	4954	1	SOUTH	DOOR	WOOD	BEIGE	INTACT	Negative	0	mg / cm ^2
31	4954	2	EAST	WALL	DRYWALL	BEIGE	INTACT	Negative	0	mg / cm ^2
32	4954	3	SOUTH	WALL	CONCRETE	WHITE	INTACT	Negative	0.5	mg / cm ^2
33	4954	3	SOUTH	TRIM	WOOD	WHITE	INTACT	Negative	0	mg / cm ^2
34	4954	3	SOUTH	DOOR	WOOD	WHITE	INTACT	Negative	0	mg / cm ^2
35	4954	4	WEST	WALL	METAL	GREEN	INTACT	Negative	0.06	mg / cm ^2
36	4954	4	SOUTH	DOOR FRAME	METAL	BEIGE	DETERIORATED	Positive	1.4	mg / cm ^2
37	4954	2		FLOOR	CONCRETE	GREEN	INTACT	Negative	0.16	mg / cm ^2
38	4954	2		FLOOR	CONCRETE	RED	INTACT	Positive	1.1	mg / cm ^2
39	4954	OUTSIDE	NORTH	DOOR	METAL	GRAY	INTACT	Negative	0.03	mg / cm ^2
40	4954	OUTSIDE	SOUTH	FASCIA	METAL	WHITE	INTACT	Negative	0.05	mg / cm ^2
41				CALIBRATE				Positive	1	mg / cm ^2
42				CALIBRATE				Positive	1.1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

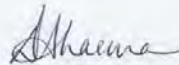
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79052-1
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/28/2017 1:18:18 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

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results through
TotalAccess

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www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Job ID: 720-79052-1

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79052-1**

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The following sample was diluted to bring the concentration of target analyte Pb within the calibration range: 4954-T22-01 (720-79052-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Client Sample ID: 4954-T22-01

Lab Sample ID: 720-79052-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	29		1.5		mg/Kg	4		6010B	Total/NA
Barium	150		1.5		mg/Kg	4		6010B	Total/NA
Chromium	110		1.5		mg/Kg	4		6010B	Total/NA
Cobalt	200		0.62		mg/Kg	4		6010B	Total/NA
Copper	20		4.6		mg/Kg	4		6010B	Total/NA
Lead	3600		1.5		mg/Kg	4		6010B	Total/NA
Nickel	4.7		1.5		mg/Kg	4		6010B	Total/NA
Vanadium	5.6		1.5		mg/Kg	4		6010B	Total/NA
Zinc	81		4.6		mg/Kg	4		6010B	Total/NA
Mercury	0.21		0.0083		mg/Kg	1		7471A	Total/NA

Client Sample ID: 4954-T22-02

Lab Sample ID: 720-79052-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	65		1.9		mg/Kg	4		6010B	Total/NA
Cadmium	0.65		0.48		mg/Kg	4		6010B	Total/NA
Chromium	140		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	15		0.77		mg/Kg	4		6010B	Total/NA
Copper	14		5.8		mg/Kg	4		6010B	Total/NA
Lead	650		1.9		mg/Kg	4		6010B	Total/NA
Nickel	3.7		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	8.0		1.9		mg/Kg	4		6010B	Total/NA
Zinc	640		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.38		0.0094		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Client Sample ID: 4954-T22-01

Lab Sample ID: 720-79052-1

Date Collected: 04/21/17 09:45

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	29		1.5		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Arsenic	ND		3.1		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Barium	150		1.5		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Beryllium	ND		0.31		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Cadmium	ND		0.38		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Chromium	110		1.5		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Cobalt	200		0.62		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Copper	20		4.6		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Lead	3600		1.5		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Molybdenum	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Nickel	4.7		1.5		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Selenium	ND		3.1		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Silver	ND		0.77		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Thallium	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Vanadium	5.6		1.5		mg/Kg		04/25/17 19:34	04/27/17 19:57	4
Zinc	81		4.6		mg/Kg		04/25/17 19:34	04/27/17 19:57	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.21		0.0083		mg/Kg		04/24/17 13:48	04/25/17 12:15	1

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Client Sample ID: 4954-T22-02

Lab Sample ID: 720-79052-2

Date Collected: 04/21/17 09:45

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Arsenic	ND		3.8		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Barium	65		1.9		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Beryllium	ND		0.38		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Cadmium	0.65		0.48		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Chromium	140		1.9		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Cobalt	15		0.77		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Copper	14		5.8		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Lead	650		1.9		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Molybdenum	ND		1.9		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Nickel	3.7		1.9		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Selenium	ND		3.8		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Silver	ND		0.96		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Thallium	ND		1.9		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Vanadium	8.0		1.9		mg/Kg		04/25/17 19:34	04/27/17 20:03	4
Zinc	640		5.8		mg/Kg		04/25/17 19:34	04/27/17 20:03	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.38		0.0094		mg/Kg		04/24/17 13:48	04/25/17 12:52	1

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-221833/1-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Arsenic	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Barium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Beryllium	ND		0.10		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cadmium	ND		0.13		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Chromium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cobalt	ND		0.20		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Copper	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Lead	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Molybdenum	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Nickel	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Selenium	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Silver	ND		0.25		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Thallium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Vanadium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Zinc	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1

Lab Sample ID: LCS 720-221833/2-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	48.3		mg/Kg		97	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	49.5		mg/Kg		99	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	50.1		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	24.4		mg/Kg		98	80 - 120
Thallium	50.0	50.0		mg/Kg		100	80 - 120
Vanadium	50.0	48.9		mg/Kg		98	80 - 120
Zinc	50.0	48.8		mg/Kg		98	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-221698/1-A
Matrix: Solid
Analysis Batch: 221844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/24/17 13:48	04/25/17 11:30	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-221698/2-A
Matrix: Solid
Analysis Batch: 221844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.719		mg/Kg		86	80 - 120

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QC Association Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Metals

Prep Batch: 221698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-1	4954-T22-01	Total/NA	Solid	7471A	
720-79052-2	4954-T22-02	Total/NA	Solid	7471A	
MB 720-221698/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-221698/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Prep Batch: 221833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-1	4954-T22-01	Total/NA	Solid	3050B	
720-79052-2	4954-T22-02	Total/NA	Solid	3050B	
MB 720-221833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 221844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-1	4954-T22-01	Total/NA	Solid	7471A	221698
720-79052-2	4954-T22-02	Total/NA	Solid	7471A	221698
MB 720-221698/1-A	Method Blank	Total/NA	Solid	7471A	221698
LCS 720-221698/2-A	Lab Control Sample	Total/NA	Solid	7471A	221698

Analysis Batch: 222056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-1	4954-T22-01	Total/NA	Solid	6010B	221833
720-79052-2	4954-T22-02	Total/NA	Solid	6010B	221833
MB 720-221833/1-A	Method Blank	Total/NA	Solid	6010B	221833
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	6010B	221833

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Client Sample ID: 4954-T22-01

Date Collected: 04/21/17 09:45

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79052-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		4	222056	04/27/17 19:57	CAM	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221844	04/25/17 12:15	OBI	TAL PLS

Client Sample ID: 4954-T22-02

Date Collected: 04/21/17 09:45

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79052-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		4	222056	04/27/17 20:03	CAM	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221844	04/25/17 12:52	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79052-1	4954-T22-01	Solid	04/21/17 09:45	04/21/17 12:35
720-79052-2	4954-T22-02	Solid	04/21/17 09:45	04/21/17 12:35

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TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566
phone 925 484 1919 fax 925 600 3002

720-79052

Chain of Custody Record

175464

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

4/28/2017

Regulatory Program: DW NPDES RCRA Other:

TestAmerica Laboratories, Inc.

Client Contact: Vista Environmental Consulting
2984 Teagarden Street
San Leandro, CA 94577
510-346-8860
888-296-0271
FORA - Stockade
Task 3 - 4954

Project Manager: Chris Burns
TAT if different from Below
 CALENDAR DAYS WORKING DAYS

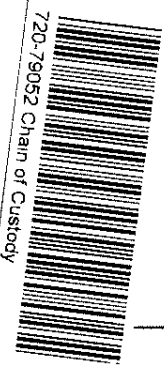
Analysis Turnaround Time
 2 weeks
 1 week
 2 days
 1 day

Site Contact: Lab Contact: Carrier: Date: COC No: 1 of 1 COCs

Sampler: For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDG No.:

Sample Specific Notes: Interior Paint
Paint/CMU, Painted Wood, and
Painted Drywall

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grav)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)
4954-T22-01	4/21/2017	945	C	Solid	1	X	X
4954-T22-02	4/21/2017	945	C	Solid	1	X	X



Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other 1

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments: Please email report to chrisburns@vista-env.com & mollie@vista-env.com

Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal by Lab Archive for _____ Months

Custody Seals Intact: Yes No
Cooler Temp (C): Obs'd: _____
Therm ID No.: _____

Requisitioned by: *Chris Burns* Company: VISTA Date/Time: 4/21/17 14:35
Received by: *Mollie* Company: VISTA Date/Time: 4/21/17 1235

Relinquished by: *Chris Burns* Company: VISTA Date/Time: 4/21/17 1235

Relinquished by: _____ Company: _____ Date/Time: _____

Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79052-1

Login Number: 79052
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79052-2
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
6/6/2017 10:04:47 AM
Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

Designee for
Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Job ID: 720-79052-2

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79052-2**

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Client Sample ID: 4954-T22-01

Lab Sample ID: 720-79052-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	25		0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4954-T22-02

Lab Sample ID: 720-79052-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.37		0.050		mg/L	1		6010B	STLC Citrate
Chromium	1.1		0.10		mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Client Sample ID: 4954-T22-01

Date Collected: 04/21/17 09:45

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79052-1

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	25		0.050		mg/L		05/25/17 10:30	05/26/17 10:02	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Client Sample ID: 4954-T22-02

Lab Sample ID: 720-79052-2

Date Collected: 04/21/17 09:45

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		06/02/17 08:54	06/05/17 12:01	1
Chromium	ND		0.10		mg/L		06/02/17 08:54	06/05/17 12:01	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.37		0.050		mg/L		05/31/17 14:53	05/31/17 18:11	1
Chromium	1.1		0.10		mg/L		05/31/17 14:53	05/31/17 18:11	1

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QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-223629/1-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/25/17 10:30	05/26/17 09:20	1

Lab Sample ID: LCS 720-223629/2-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.963		mg/L		96	80 - 120

Lab Sample ID: LB 720-224069/3-A
Matrix: Solid
Analysis Batch: 224204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224069

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		06/02/17 08:54	06/05/17 11:30	1
Chromium	ND		0.10		mg/L		06/02/17 08:54	06/05/17 11:30	1

Lab Sample ID: MB 720-224069/1-A
Matrix: Solid
Analysis Batch: 224204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224069

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		06/02/17 08:54	06/05/17 11:19	1
Chromium	ND		0.010		mg/L		06/02/17 08:54	06/05/17 11:19	1

Lab Sample ID: LCS 720-224069/2-A
Matrix: Solid
Analysis Batch: 224204

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224069

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.922		mg/L		92	80 - 120
Chromium	1.00	0.967		mg/L		97	80 - 120

Lab Sample ID: MB 720-223934/1-A
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 223934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/31/17 14:50	05/31/17 16:12	1
Chromium	ND		0.010		mg/L		05/31/17 14:50	05/31/17 16:12	1

Lab Sample ID: LCS 720-223934/2-A
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 223934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.982		mg/L		98	80 - 120
Chromium	1.00	0.972		mg/L		97	80 - 120

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LB 720-223507/1-B
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223629

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/25/17 10:30	05/26/17 09:31	1

Lab Sample ID: LB4 720-223784/1-C
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 223934

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/31/17 14:53	05/31/17 18:03	1
Chromium	ND		0.10		mg/L		05/31/17 14:53	05/31/17 18:03	1

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Metals

Leach Batch: 223507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-1	4954-T22-01	TCLP	Solid	1311	
LB 720-223507/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 223629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-1	4954-T22-01	TCLP	Solid	3010A	223507
LB 720-223507/1-B	Method Blank	TCLP	Solid	3010A	223507
MB 720-223629/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 223726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-1	4954-T22-01	TCLP	Solid	6010B	223629
LB 720-223507/1-B	Method Blank	TCLP	Solid	6010B	223629
MB 720-223629/1-A	Method Blank	Total/NA	Solid	6010B	223629
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	6010B	223629

Leach Batch: 223784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-2	4954-T22-02	STLC Citrate	Solid	CA WET Citrate	
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 223934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-2	4954-T22-02	STLC Citrate	Solid	3005A	223784
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	3005A	223784
MB 720-223934/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 720-223934/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	

Analysis Batch: 223960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-2	4954-T22-02	STLC Citrate	Solid	6010B	223934
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	6010B	223934
MB 720-223934/1-A	Method Blank	Total Recoverable	Solid	6010B	223934
LCS 720-223934/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	223934

Leach Batch: 223996

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-2	4954-T22-02	TCLP	Solid	1311	

Prep Batch: 224069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-2	4954-T22-02	TCLP	Solid	3010A	223996
LB 720-224069/3-A	Method Blank	Total/NA	Solid	3010A	
MB 720-224069/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-224069/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 224204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79052-2	4954-T22-02	TCLP	Solid	6010B	224069
LB 720-224069/3-A	Method Blank	Total/NA	Solid	6010B	224069

TestAmerica Pleasanton

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Metals (Continued)

Analysis Batch: 224204 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-224069/1-A	Method Blank	Total/NA	Solid	6010B	224069
LCS 720-224069/2-A	Lab Control Sample	Total/NA	Solid	6010B	224069

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Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Client Sample ID: 4954-T22-01

Date Collected: 04/21/17 09:45

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79052-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 10:02	BKR	TAL PLS

Client Sample ID: 4954-T22-02

Date Collected: 04/21/17 09:45

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79052-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			223784	05/29/17 12:08	JNG	TAL PLS
STLC Citrate	Prep	3005A			223934	05/31/17 14:53	JNG	TAL PLS
STLC Citrate	Analysis	6010B		1	223960	05/31/17 18:11	CAM	TAL PLS
TCLP	Leach	1311			223996	06/01/17 15:00	AMC	TAL PLS
TCLP	Prep	3010A			224069	06/02/17 08:54	JNG	TAL PLS
TCLP	Analysis	6010B		1	224204	06/05/17 12:01	BKR	TAL PLS

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
-----------------	-------------	--------	---------

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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
Crush & Grind	General Sub Contract Method	NONE	

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79052-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79052-1	4954-T22-01	Solid	04/21/17 09:45	04/21/17 12:35
720-79052-2	4954-T22-02	Solid	04/21/17 09:45	04/21/17 12:35

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720-79052-2

Sharma, Dimple

From: Chris Burns <chrisburns@vista-env.com>
Sent: Thursday, May 18, 2017 9:51 AM
To: Molli Rothman; Sharma, Dimple
Subject: Fwd: FORA
Attachments: TCLP and STLC Worksheet.xlsx; ATT00001.htm

Dimple,

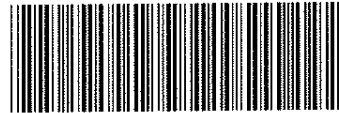
Please refer to the attached spreadsheet for the additional analysis we need run. Please let me know if you have any questions and confirm receipt of this request.

Thanks,
Christopher Burns
Vista Environmental Consulting
(925) 348-5361

Begin forwarded message:

From: "Molli Rothman" <molli@vista-env.com>
Date: May 18, 2017 at 9:35:25 AM PDT
To: <chrisburns@vista-env.com>
Subject: FORA

Molli Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
molli@vista-env.com



720-79052 Chain of Custody

Stockade Waste Profiles

BLDG	LAB REPORT	Sample No	Analyte	Analysis
4950	720-79057-1	4950-T22_01	Pb	TCLP
		4950-T22_02	Pb	TCLP
		4950-T22_03	Cr & Pb	TCLP
4951	720-79058-1	4951-T22_01	Pb & Hg	TCLP
		4951-T22_02	Pb	TCLP
		4951-T22_03	Pb	TCLP
4952	720-79056-1	4952-T22_01	Pb	TCLP
		4952-T22_02	Pb	TCLP
		4952-T22_03	Pb	TCLP
4953	720-79051-1	4953-T22_01	Pb	TCLP
		4953-T22_02	Pb	TCLP
		4953-T22_03	Nothing	Nothing
		4953-T22_04	Pb	TCLP & STLC
4954	720-79052-1	4954-T22_01	Pb	TCLP
		4954-T22_02	Cr & Pb	TCLP & STLC
4955	720-79053-1	4955-T22_01	Pb	TCLP & STLC
4956	720-79054-1	4956-T22_01	Pb	TCLP
		4956-T22_02	Cr & Pb	TCLP
4957	720-79055-1	4957-T22_01	Hg	TCLP
		4957-T22_02	Hg	TCLP & STLC



Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79052-2

Login Number: 79052
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



BUILDING 4955



The information contained in these appendices are not stand alone documents and should not be separated from this report. For specific regulatory requirements regarding these materials please refer to the information provided in the Main Report. Quantities and locations listed in the tables are order of magnitude estimates and are not to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, prior to bidding.

MBARD classifications are based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification. MBARD & Cal-OSHA classifications are based on the materials being >1% asbestos pending further analytical data that proves otherwise.

BUILDING 4955

HAZARDOUS MATERIALS SUMMARY

Asbestos

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
A	Sealant	White & Gray, Louver & Seam	Exterior and Roof	Class II	Category I - Non-Friable	5 SF (60 LF)
B	Gasket	Gray & Black, Round Pipe	Interior - Pipes	Class II	Category I - Non-Friable	2 SF (2 EA)
D	Gasket	Black, Square, Generator	Interior - Generator	Class II	Category I - Non-Friable	1 SF (2 EA)

Lead-Based Paint and Materials

Reading No	Room	Component	Substrate	Color	Condition	Pb	Units
26	Inside	Generator	Wood	Gray	Intact	2.1	mg/cm ²

All remaining tested materials had lead concentrations in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1.

Other Hazardous Materials

MATERIAL	CONTAMINANT	ESTIMATED QUANTITY
Diesel Tank	Waste Diesel	400 Gal
Generator	Waste Oil/Lubricants	1
Oils/Lubricants	Waste Oil/Lubricants	10 Gal

BUILDING 4955 HAZARDOUS MATERIALS SUMMARY

Waste Characterization Estimate

Other (Painted Wood)

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	STLC Lab Results (mg/l)	STLC Level (mg/l)	Exceed the Cal/Haz Level?	Need TCLP?	TCLP Lab Results (mg/l)	Exceed the RCRA Level?
Barium	19	mg/kg	19	10,000	No	No	NA	100	No	No	NA	NA
Cobalt	28	mg/kg	28	8,000	No	No	NA	80	No	NA	NA	NA
Lead	140	mg/kg	140	1,000	No	YES	0.97	5	No	No	0	No
Vanadium	2.4	mg/kg	2.4	2,400	No	No	NA	24	No	NA	NA	NA
Zinc	520	mg/kg	520	5,000	No	No	NA	250	No	NA	NA	NA

Shaded sample results were below the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCLab level. However, Soluble Threshold Limit Concentration (STLC) testing and analysis would be needed to see if it is a California Hazardous Waste, and Toxicity Characteristic Leaching Procedure (TCLP) testing and analysis would be needed to determine if it is a Federal RCRA Hazardous Waste.



Bolded sample results were above the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCLab and or STLC level and would be considered a California Hazardous Waste. TCLP testing and analysis may be needed to determine if it is a Federal RCRA Hazardous Waste.

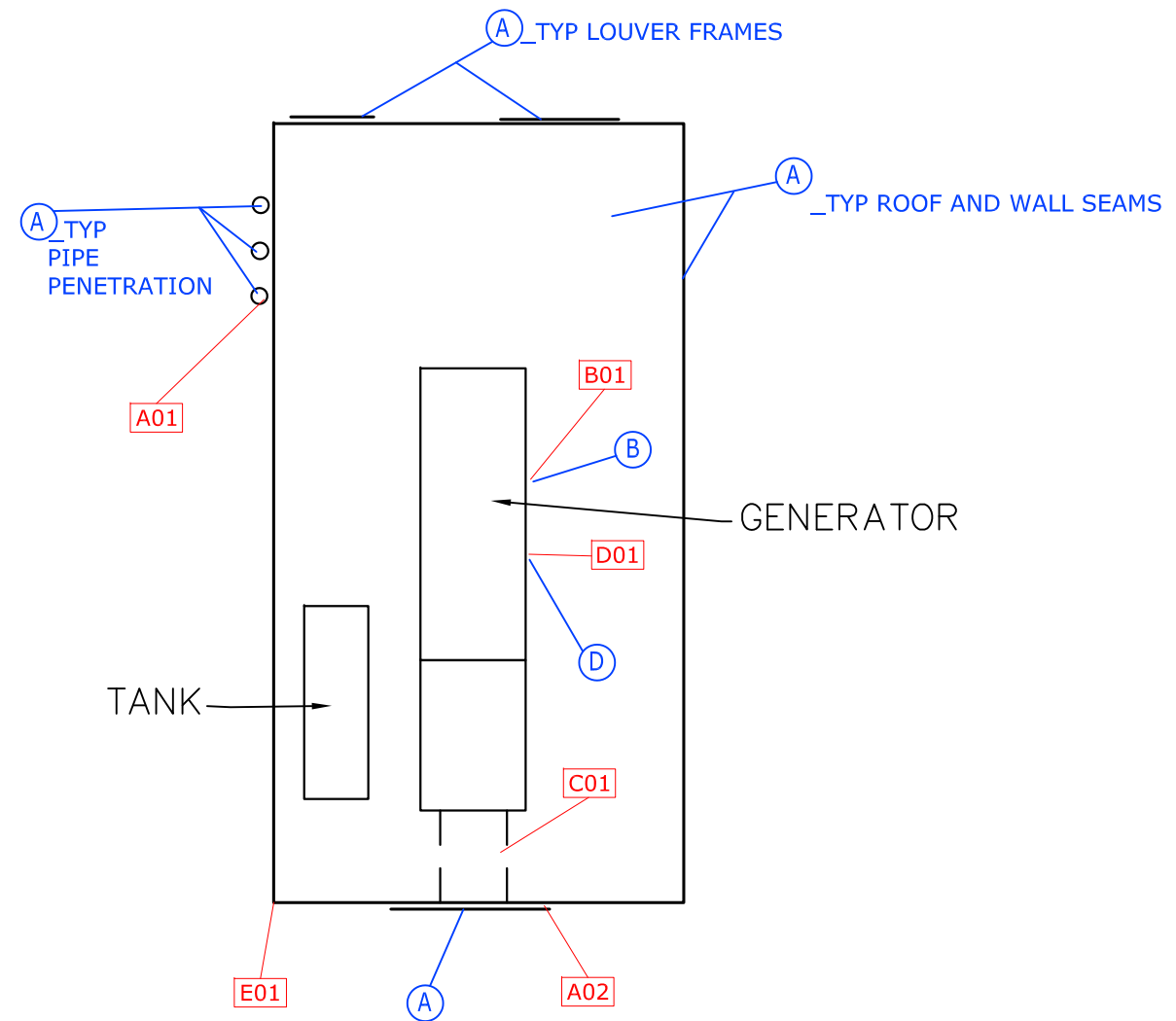
Shaded and Bolded sample results are considered a Federal RCRA Hazardous Waste.

Tested metals not listed were below the reporting limit, which represents the lowest amount of analyte that the laboratory can confidently detect in the sample.

BUILDING 4955
ASBESTOS SAMPLING INVENTORY

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Sealant	White & Gray, Louver & Seam	2
B	Gasket	Gray & Black, Round Pipe	1
C	Flex Connector	Black, Duct	1
D	Gasket	Black, Square, Generator	1
E	Concrete	Gray, Foundation	1

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-ASBESTOS MATERIAL LOCATION



VISTA ENVIRONMENTAL CONSULTING
 www.vista-env.com
 2984 TEAGARDEN STREET
 SAN LEANDRO, CA 94577
 510-346-8860

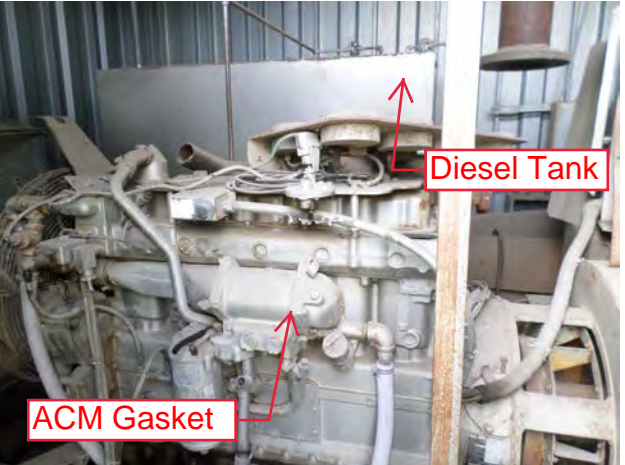
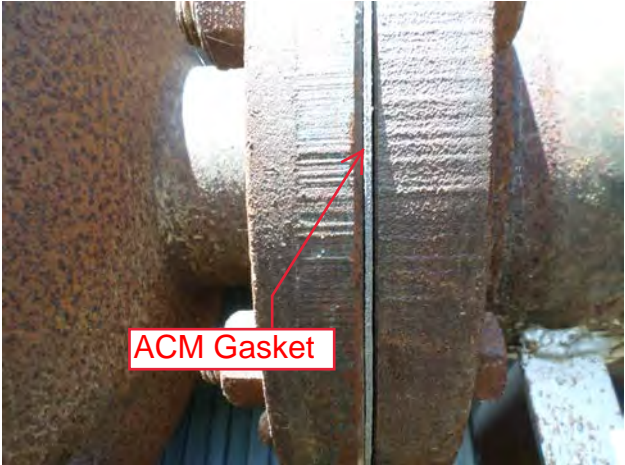
PROJECT TITLE
 FORA STOCKADE COMPLEX

SHEET TITLE
 4955
 ASBESTOS-CONTAINING MATERIALS AND SAMPLE LOCATIONS

SCALE:
 DRAWN BY: ADF
 CHECKED BY: CB
 PROJECT No.
 DATE: 05/01/17
 DRAWING No.

FIGURE
 1

BUILDING 4955
PHOTO DOCUMENTATION





Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B236885
Date Received: 03/28/17
Date Analyzed: 03/30/17
Date Printed: 03/30/17
First Reported: 03/30/17

Job ID/Site: 17191001 - FORA, Stockdale Bldg. #4955

FALI Job ID: L1161
Total Samples Submitted: 6
Total Samples Analyzed: 6

Date(s) Collected: 03/27/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4955-A-01	11873080						
Layer: White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4955-A-02	11873081						
Layer: Grey Semi-Fibrous Material		Chrysotile	2 %				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4955-B-01	11873082						
Layer: Black Fibrous Material		Chrysotile	60 %				
Total Composite Values of Fibrous Components:		Asbestos (60%)					
Cellulose (2 %)							
4955-C-01	11873083						
Layer: Paint			ND				
Layer: White Woven Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace) Fibrous Glass (95 %)							
4955-D-01	11873084						
Layer: Black Semi-Fibrous Material		Chrysotile	5 %				
Total Composite Values of Fibrous Components:		Asbestos (5%)					
Cellulose (Trace)							
4955-E-01	11873085						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/27/17

LOCATION: Stockade Bldg# 4955

PROJECT NUMBER: 17191001

SAMPLED BY: CB

CAC OR SST No: 92-0224

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4955	A	01	Sealant	White & Gray, Louver & Seam		
4955	A	02				
4955	B	01	Gasket	Gray & Black, Round, Pipe		
4955	C	01	Flex Connector	Black, DUCT		
4955	D	01	Gasket	Black, Square, Generator		
4955	E	01	Concrete	Gray, Foundation		
				6 samples		

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: _____

CHAIN OF CUSTODY:

1. [Signature] TRANSFER SIGNATURE Chris Elliott PRINTED NAME 3/28/17 1336 DATE/TIME

2. [Signature] TRANSFER SIGNATURE C Moreno PRINTED NAME [Signature] DATE/TIME

3. _____ TRANSFER SIGNATURE _____ PRINTED NAME _____ DATE/TIME



**FORA
4955
XRF Sequential Report**

Reading No	Building	Room	Component	Substrate	Color	Condition	Results	PbC	Units
22	4955	OUTSIDE	FASCIA	METAL	WHITE	INTACT	Negative	0.01	mg / cm ^2
23	4955	OUTSIDE	LOUVER	METAL	WHITE	INTACT	Negative	0.04	mg / cm ^2
24	4955	OUTSIDE	WALL	METAL	GRAY	INTACT	Negative	0.01	mg / cm ^2
25	4955	OUTSIDE	DOOR	WOOD	WHITE	INTACT	Negative	0	mg / cm ^2
26	4955	INSIDE	GENERATOR	WOOD	GRAY	INTACT	Positive	2.1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

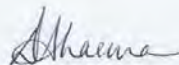
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79053-1
Client Project/Site: FORA-Stockage

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/28/2017 5:19:34 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Job ID: 720-79053-1

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79053-1**

Comments

No additional comments.

Receipt

The sample was received on 4/21/2017 12:35 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Client Sample ID: 4955-T22-01

Lab Sample ID: 720-79053-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	19		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	28		0.76		mg/Kg	4		6010B	Total/NA
Lead	140		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	2.4		1.9		mg/Kg	4		6010B	Total/NA
Zinc	520		5.7		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton



Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Client Sample ID: 4955-T22-01

Lab Sample ID: 720-79053-1

Date Collected: 04/21/17 07:15

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Arsenic	ND		3.8		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Barium	19		1.9		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Beryllium	ND		0.38		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Cadmium	ND		0.48		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Chromium	ND		1.9		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Cobalt	28		0.76		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Copper	ND		5.7		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Lead	140		1.9		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Molybdenum	ND		1.9		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Nickel	ND		1.9		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Selenium	ND		3.8		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Silver	ND		0.95		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Thallium	ND		1.9		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Vanadium	2.4		1.9		mg/Kg		04/25/17 19:34	04/28/17 14:40	4
Zinc	520		5.7		mg/Kg		04/25/17 19:34	04/28/17 14:40	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0091		mg/Kg		04/24/17 13:48	04/25/17 12:54	1

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-221833/1-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Arsenic	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Barium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Beryllium	ND		0.10		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cadmium	ND		0.13		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Chromium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cobalt	ND		0.20		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Copper	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Lead	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Molybdenum	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Nickel	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Selenium	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Silver	ND		0.25		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Thallium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Vanadium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Zinc	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1

Lab Sample ID: LCS 720-221833/2-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	48.3		mg/Kg		97	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	49.5		mg/Kg		99	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	50.1		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	24.4		mg/Kg		98	80 - 120
Thallium	50.0	50.0		mg/Kg		100	80 - 120
Vanadium	50.0	48.9		mg/Kg		98	80 - 120
Zinc	50.0	48.8		mg/Kg		98	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-221698/1-A
Matrix: Solid
Analysis Batch: 221844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/24/17 13:48	04/25/17 11:30	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-221698/2-A
Matrix: Solid
Analysis Batch: 221844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.719		mg/Kg		86	80 - 120

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QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Metals

Prep Batch: 221698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	Total/NA	Solid	7471A	
MB 720-221698/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-221698/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Prep Batch: 221833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	Total/NA	Solid	3050B	
MB 720-221833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 221844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	Total/NA	Solid	7471A	221698
MB 720-221698/1-A	Method Blank	Total/NA	Solid	7471A	221698
LCS 720-221698/2-A	Lab Control Sample	Total/NA	Solid	7471A	221698

Analysis Batch: 222056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-221833/1-A	Method Blank	Total/NA	Solid	6010B	221833
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	6010B	221833

Analysis Batch: 222091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	Total/NA	Solid	6010B	221833

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Client Sample ID: 4955-T22-01

Date Collected: 04/21/17 07:15

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79053-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		4	222091	04/28/17 14:40	ASB	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221844	04/25/17 12:54	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79053-1	4955-T22-01	Solid	04/21/17 07:15	04/21/17 12:35

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TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

175/165



TestAmerica Laboratories, Inc

Regulatory Program: DW NPDES RCRA Other:

Project Manager: Chris Burns

Tel/Fax:

Analysis Turnaround Time
 CALENDAR DAYS WORKING DAYS

TAT if different from Below

2 weeks

1 week

2 days

1 day

Site Contact:

Lab Contact:

Carrier:

COC No:

1 of 1 COCs

Sampler

For Lab Use Only:

Walk-in Client

Lab Sampling

Job / SDG No.:

Sample Specific Notes:

Painted Wood

Date:

Carrier:

Filtered Sample (Y / N)

Perform MS / MSD (Y / N)

CAM17 (6010B)

Mercury (7471A)

Sample Date	Sample Time	Sample Type (C=Comp, G=Grnd)	Matrix	# of Cont.
4/21/2017	715	C	Solid	1



720-79053 Chain of Custody

Sample Date	Sample Time	Sample Type (C=Comp, G=Grnd)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Carrier	Date
4/21/2017	715	C	Solid	1	X	X		

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6=Other 1

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments: Please email report to chrisburns@vista-env.com & mollie@vista-env.com

Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal by Lab Archive for _____ Months

17.4 °C

Custody Seals Intact: Yes No

Custody Seal No.:

Cooler Temp. (°C): Obs'd _____

Corrd: _____

Therm ID No.:

Relinquished by: *Christy Tocher*

Company: VISTA

Date/Time: 4/21/17 12:35

Received by: *[Signature]*

Company: LA

Date/Time: 4/21/17 12:35

Relinquished by: *[Signature]*

Company:

Date/Time:

Received in Laboratory by:

Company:

Date/Time:

Relinquished by:

Company:

Date/Time:

Received in Laboratory by:

Company:

Date/Time:

Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79053-1

Login Number: 79053
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79053-2
Client Project/Site: FORA-Stockage

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
6/12/2017 2:48:33 PM

Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Job ID: 720-79053-2

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79053-2**

Comments

No additional comments.

Receipt

The sample was received on 4/21/2017 12:35 PM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Client Sample ID: 4955-T22-01

Lab Sample ID: 720-79053-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.97		0.050		mg/L	1		6010B	STLC Citrate

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This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Client Sample ID: 4955-T22-01

Date Collected: 04/21/17 07:15

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79053-1

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		06/01/17 09:08	06/05/17 17:50	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.97		0.050		mg/L		05/31/17 14:54	05/31/17 18:15	1

- 1
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QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-223988/1-A
Matrix: Solid
Analysis Batch: 224207

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223988

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		06/01/17 09:08	06/05/17 17:15	1

Lab Sample ID: LCS 720-223988/2-A
Matrix: Solid
Analysis Batch: 224207

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223988

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.980		mg/L		98	80 - 120

Lab Sample ID: MB 720-223934/1-A
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 223934

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/31/17 14:50	05/31/17 16:12	1

Lab Sample ID: LCS 720-223934/2-A
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 223934

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.982		mg/L		98	80 - 120

Lab Sample ID: LB 720-223844/1-B
Matrix: Solid
Analysis Batch: 224207

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223988

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		06/01/17 09:08	06/05/17 17:19	1

Lab Sample ID: LB4 720-223784/1-C
Matrix: Solid
Analysis Batch: 223960

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 223934

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/31/17 14:53	05/31/17 18:03	1

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Metals

Leach Batch: 223784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	STLC Citrate	Solid	CA WET Citrate	
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 223844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	TCLP	Solid	1311	
LB 720-223844/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 223934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	STLC Citrate	Solid	3005A	223784
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	3005A	223784
MB 720-223934/1-A	Method Blank	Total Recoverable	Solid	3005A	
LCS 720-223934/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	

Analysis Batch: 223960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	STLC Citrate	Solid	6010B	223934
LB4 720-223784/1-C	Method Blank	STLC Citrate	Solid	6010B	223934
MB 720-223934/1-A	Method Blank	Total Recoverable	Solid	6010B	223934
LCS 720-223934/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	223934

Prep Batch: 223988

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	TCLP	Solid	3010A	223844
LB 720-223844/1-B	Method Blank	TCLP	Solid	3010A	223844
MB 720-223988/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223988/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 224207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79053-1	4955-T22-01	TCLP	Solid	6010B	223988
LB 720-223844/1-B	Method Blank	TCLP	Solid	6010B	223988
MB 720-223988/1-A	Method Blank	Total/NA	Solid	6010B	223988
LCS 720-223988/2-A	Lab Control Sample	Total/NA	Solid	6010B	223988

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Client Sample ID: 4955-T22-01

Date Collected: 04/21/17 07:15

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79053-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			223784	05/29/17 12:08	JNG	TAL PLS
STLC Citrate	Prep	3005A			223934	05/31/17 14:54	JNG	TAL PLS
STLC Citrate	Analysis	6010B		1	223960	05/31/17 18:15	CAM	TAL PLS
TCLP	Leach	1311			223844	05/31/17 14:10	JNG	TAL PLS
TCLP	Prep	3010A			223988	06/01/17 09:08	JNG	TAL PLS
TCLP	Analysis	6010B		1	224207	06/05/17 17:50	BKR	TAL PLS

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
Crush & Grind	General Sub Contract Method	NONE	

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockage

TestAmerica Job ID: 720-79053-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79053-1	4955-T22-01	Solid	04/21/17 07:15	04/21/17 12:35

- 1
- 2
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Sharma, Dimple

770-79053-2

From: Chris Burns <chrisburns@vista-env.com>
Sent: Thursday, May 18, 2017 9:51 AM
To: Mollie Rothman; Sharma, Dimple
Subject: Fwd: FORA
Attachments: TCLP and STLC Worksheet.xlsx; ATT00001.htm

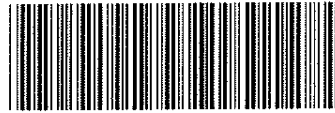
Dimple,

Please refer to the attached spreadsheet for the additional analysis we need run. Please let me know if you have any questions and confirm receipt of this request.

Thanks,
Christopher Burns
Vista Environmental Consulting
(925) 348-5361

Begin forwarded message:

From: "Mollie Rothman" <molli@vista-env.com>
Date: May 18, 2017 at 9:35:25 AM PDT
To: <chrisburns@vista-env.com>
Subject: FORA



720-79053 Chain of Custody

Mollie Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
molli@vista-env.com

Stockade Waste Profiles

BLDG	LAB REPORT	Sample No	Analyte	Analysis
4950	720-79057-1	4950-T22_01	Pb	TCLP
		4950-T22_02	Pb	TCLP
		4950-T22_03	Cr & Pb	TCLP
4951	720-79058-1	4951-T22_01	Pb & Hg	TCLP
		4951-T22_02	Pb	TCLP
		4951-T22_03	Pb	TCLP
4952	720-79056-1	4952-T22_01	Pb	TCLP
		4952-T22_02	Pb	TCLP
4953	720-79051-1	4953-T22_01	Pb	TCLP
		4953-T22_02	Pb	TCLP
		4953-T22_03	Nothing	Nothing
4954	720-79052-1	4953-T22_04	Pb	TCLP & STLC
		4954-T22_01	Pb	TCLP
		4954-T22_02	Cr & Pb	TCLP & STLC
		4955-T22_01	Pb	TCLP & STLC
4955	720-79053-1	4955-T22_01	Pb	TCLP & STLC
		4956-T22_01	Pb	TCLP
4956	720-79054-1	4956-T22_01	Pb	TCLP
		4956-T22_02	Cr & Pb	TCLP
		4957-T22_01	Hg	TCLP
4957	720-79055-1	4957-T22_01	Hg	TCLP
		4957-T22_02	Hg	TCLP & STLC



Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79053-2

Login Number: 79053
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



BUILDING 4956



The information contained in these appendices are not stand alone documents and should not be separated from this report. For specific regulatory requirements regarding these materials please refer to the information provided in the Main Report. Quantities and locations listed in the tables are order of magnitude estimates and are not to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, prior to bidding.

MBARD classifications are based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification. MBARD & Cal-OSHA classifications are based on the materials being >1% asbestos pending further analytical data that proves otherwise.

BUILDING 4956

HAZARDOUS MATERIALS SUMMARY

Asbestos

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
A	Cement Panel	Gray, Interior & Exterior	Interior and Exterior	Class II	Category II-Non-Friable	300 SF
B	Mastic	Gray & Black, Roof	Roof	Class II	Category I - Non-Friable	5 SF
E	Sealant	Gray, Louver, Window Frame, Hard	Louver and Window Frames	Class II	Category I - Non-Friable	12 SF (144 LF)
H	Gasket	Red & White, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
I	Insulation	White, Wire, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
L	Heat Shield	White, Spotlight	Spotlight	Class II	Friable (RACM when Removed)	1 SF
M	Insulator	White & Black, Spotlight	Spotlight	Class II	Category II-Non-Friable	1 SF

Lead-Based Paint and Materials

Reading No	Room	Component	Substrate	Color	Condition	Pb	Units
25	Outside	Fascia	Metal	Green	Deteriorated	12.1	mg/cm ²
26	Outside	Hand Rail	Metal	Green	Deteriorated	3	mg/cm ²
27	Outside	Wall	Metal	Beige	Deteriorated	8.6	mg/cm ²
28	Outside	Wall	Concrete	Beige	Deteriorated	6.5	mg/cm ²
29	Outside	Window Sill	Metal	Beige	Deteriorated	11.4	mg/cm ²
30	Outside	Column	Metal	Beige	Deteriorated	21.8	mg/cm ²
31	Outside	Window	Metal	Beige	Deteriorated	11.1	mg/cm ²
32	Outside	Door Frame	Metal	Beige	Deteriorated	4.9	mg/cm ²
33	Outside	Door	Metal	Beige	Deteriorated	4.5	mg/cm ²
35	Inside	Ceiling	Concrete	Beige	Deteriorated	6.8	mg/cm ²

All remaining tested materials had lead concentrations in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1.

Other Hazardous Materials

- No other hazardous materials were identified in this building.

BUILDING 4956
HAZARDOUS MATERIALS SUMMARY

Waste Characterization Estimate

Interior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	1100	mg/kg	1100	500	YES	No	NA	NA
Arsenic	36	mg/kg	36	500	No	No	NA	NA
Barium	180	mg/kg	180	10,000	No	No	NA	NA
Cadmium	25	mg/kg	25	100	No	YES	NA	NA
Chromium	1600	mg/kg	1600	2,500	No	YES	NA	NA
Cobalt	160	mg/kg	160	8,000	No	No	NA	NA
Copper	62	mg/kg	62	2,500	No	No	NA	NA
Lead	23000	mg/kg	23000	1,000	YES	No	11	YES
Nickel	15	mg/kg	15	2,000	No	No	NA	NA
Vanadium	9.2	mg/kg	9.2	2,400	No	No	NA	NA
Zinc	20000	mg/kg	20000	5,000	YES	No	NA	NA
Mercury	0.18	mg/kg	0.18	20	No	No	NA	NA

Exterior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Antimony	200	mg/kg	200	500	No	YES	NA	NA
Arsenic	66	mg/kg	66	500	No	YES	NA	NA
Barium	160	mg/kg	160	10,000	No	No	NA	NA
Cadmium	37	mg/kg	37	100	No	YES	NA	NA
Chromium	2600	mg/kg	2600	2,500	YES	No	NA	NA
Cobalt	100	mg/kg	100	8,000	No	No	NA	NA
Copper	47	mg/kg	47	2,500	No	No	NA	NA
Lead	32000	mg/kg	32000	1,000	YES	No	100	YES
Nickel	11	mg/kg	11	2,000	No	No	NA	NA
Vanadium	9	mg/kg	9	2,400	No	No	NA	NA
Zinc	23000	mg/kg	23000	5,000	YES	No	NA	NA
Mercury	0.19	mg/kg	0.19	20	No	No	NA	NA

BUILDING 4956 HAZARDOUS MATERIALS SUMMARY

Shaded sample results were below the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLC level. However, Soluble Threshold Limit Concentration (STLC) testing and analysis would be needed to see if it is a California Hazardous Waste, and Toxicity Characteristic Leaching Procedure (TCLP) testing and analysis would be needed to determine if it is a Federal RCRA Hazardous Waste.



Bolded sample results were above the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLC and or STLC level and would be considered a California Hazardous Waste. TCLP testing and analysis may be needed to determine if it is a Federal RCRA Hazardous Waste.

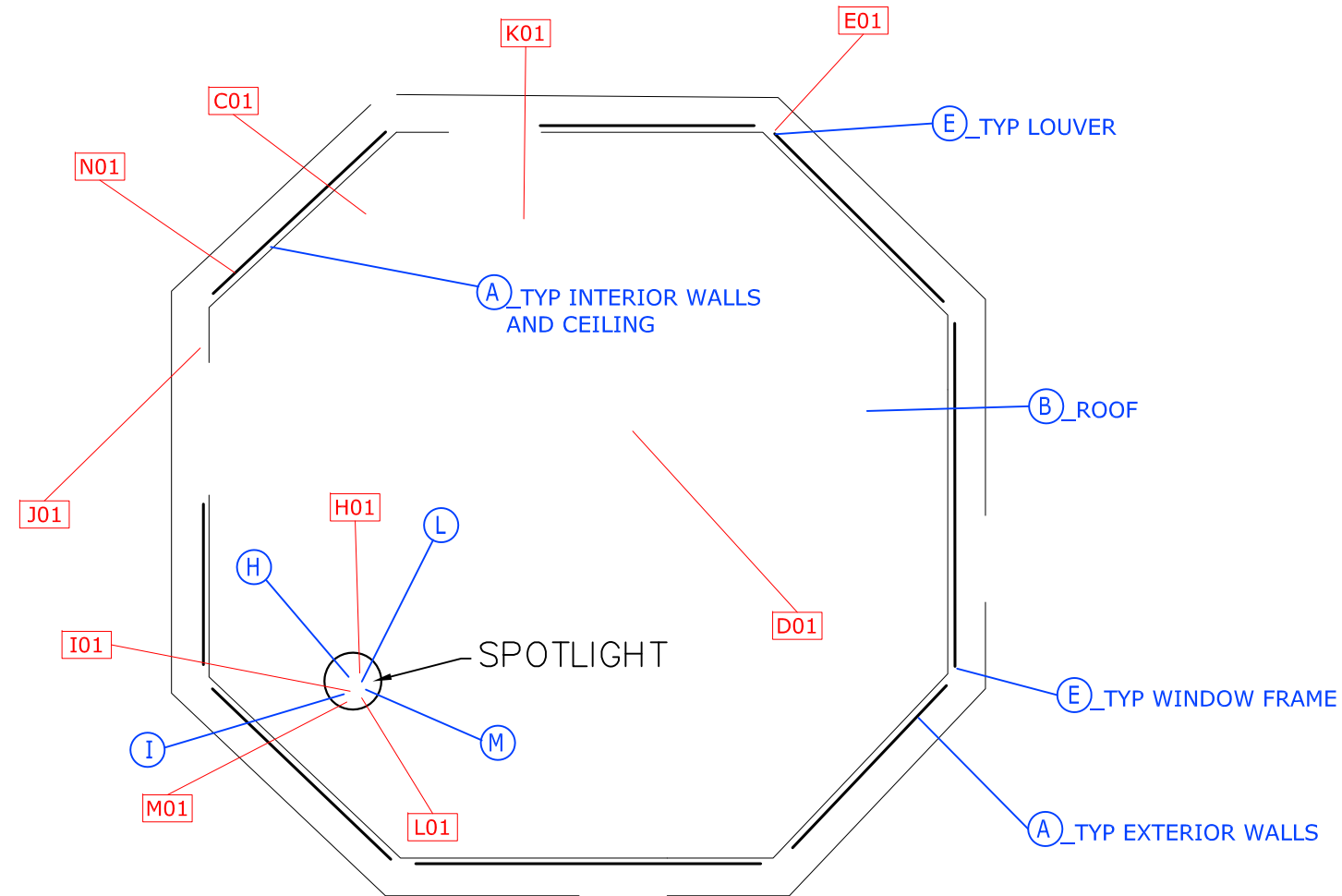
Shaded and Bolded sample results are considered a Federal RCRA Hazardous Waste.

Tested metals not listed were below the reporting limit, which represents the lowest amount of analyte that the laboratory can confidently detect in the sample.

**BUILDING 4956
ASBESTOS SAMPLING INVENTORY**

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Cement Panel	Gray, Interior & Exterior	Positive
B	Mastic	Gray & Black, Roof	Positive
C	Concrete	Gray	1
D	Roofing	Black, Tar & Gravel	1
E	Sealant	Gray, Louver, Window Frame, Hard	1
F	Not Used		
G	Not Used		
H	Gasket	Red & White, Spotlight	1
I	Insulation	White, Wire, Spotlight	1
J	Paint	Red, Floor	1
K	Paint	Beige & Gray, Metal Components	1
L	Heat Shield	White, Spotlight	1
M	Insulator	White & Black, Spotlight	1
N	Glazing	White, Window	1

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-ASBESTOS MATERIAL LOCATION



VISTA ENVIRONMENTAL CONSULTING
 www.vista-env.com
 2984 TEAGARDEN STREET
 SAN LEANDRO, CA 94577
 510-346-8860

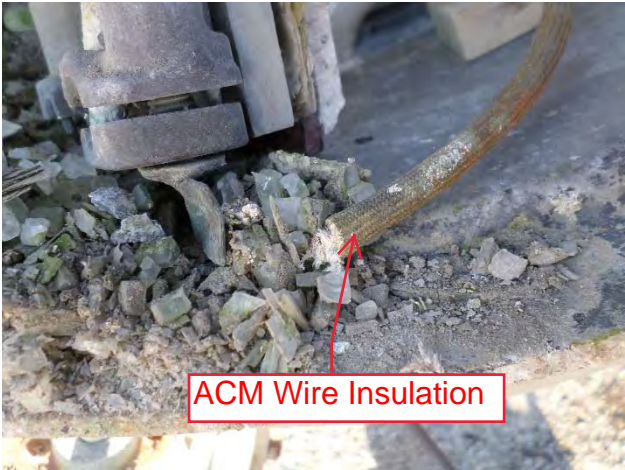
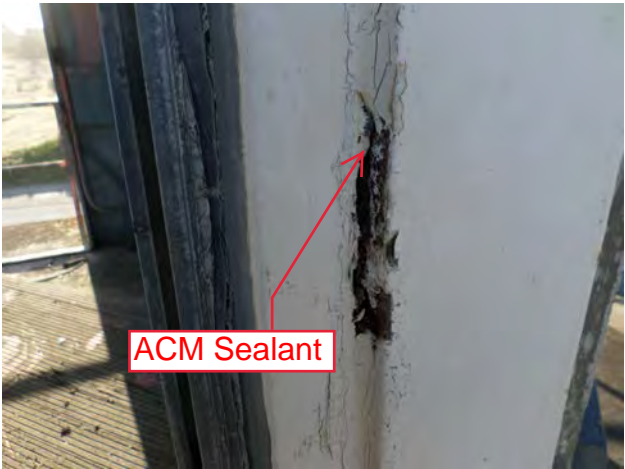
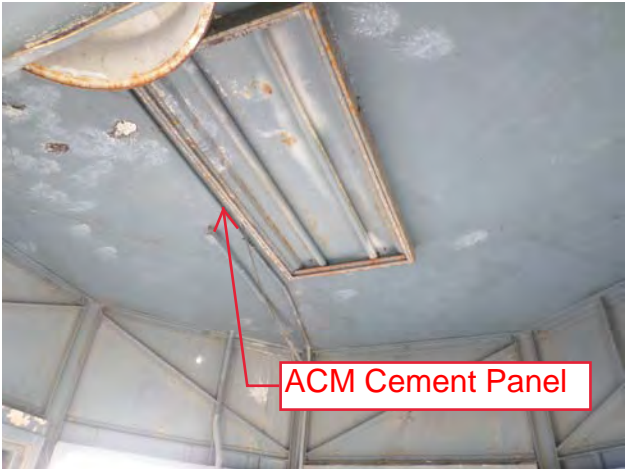
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 FORA STOCKADE COMPLEX

SHEET TITLE
 4956
 ASBESTOS-CONTAINING MATERIALS AND SAMPLE LOCATIONS

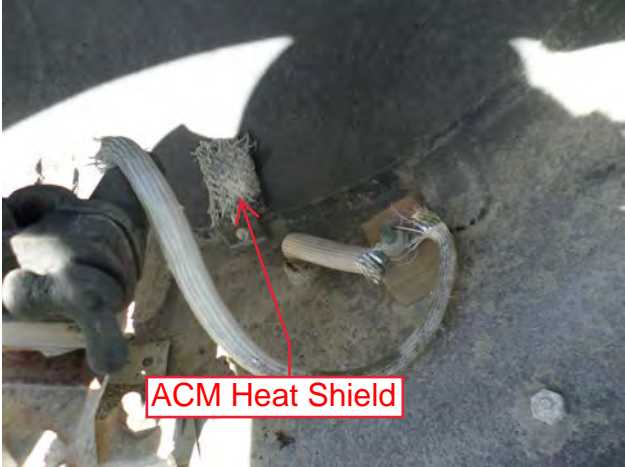
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 CHECKED BY: CB
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 DATE: 05/01/17
 DRAWING No.

FIGURE
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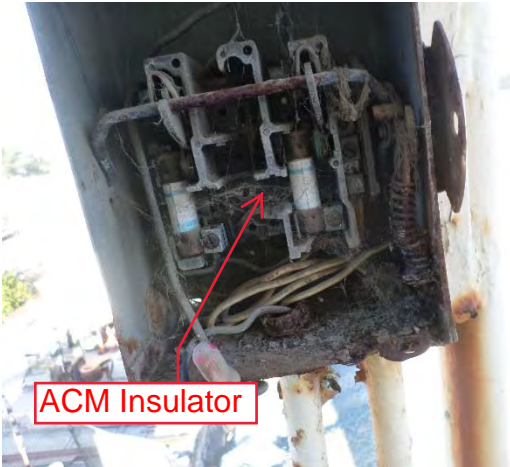
BUILDING 4956
PHOTO DOCUMENTATION



BUILDING 4956
PHOTO DOCUMENTATION



ACM Heat Shield



ACM Insulator



Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B237147
Date Received: 04/03/17
Date Analyzed: 04/05/17
Date Printed: 04/05/17
First Reported: 04/05/17

Job ID/Site: 17191001 - FORA, Stockade Bldg.# 4956

FALI Job ID: L1161
Total Samples Submitted: 10
Total Samples Analyzed: 10

Date(s) Collected: 03/29/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4956-C01	11875254						
Layer: Grey Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4956-D01	11875255						
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Layer: Black Tar			ND				
Layer: Black Felt			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (55 %)							
4956-E01	11875256						
Layer: Off-White Non-Fibrous Material		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4956-H01	11875257						
Layer: Red/White Fibrous Material		Chrysotile	85 %				
Total Composite Values of Fibrous Components:		Asbestos (85%)					
Cellulose (5 %)							
4956-I01	11875258						
Layer: White Fibrous Material		Chrysotile	60 %				
Total Composite Values of Fibrous Components:		Asbestos (60%)					
Cellulose (5 %) Fibrous Glass (20 %)							
4956-J01	11875259						
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					

Client Name: Vista Environmental Consultants

Report Number: B237147

Date Printed: 04/05/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4956-K01	11875260						
Layer: Multi-Layer Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
4956-L01	11875261						
Layer: Off-White Woven Material		Chrysotile	40 %				
Total Composite Values of Fibrous Components:		Asbestos (40%)					
Cellulose (55 %)							
4956-M01	11875262						
Layer: Grey Semi-Fibrous Material		Chrysotile	15 %				
Layer: Beige Fibrous Material		Chrysotile	75 %				
Total Composite Values of Fibrous Components:		Asbestos (27%)					
Cellulose (Trace)							
4956-N01	11875263						
Layer: Off-White Non-Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/29/17

LOCATION: Stockade Bldg# 4956

PROJECT NUMBER: 17191001

SAMPLED BY: CB

CAC OR SST No: 12-0024

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4956	C	01	Concrete	Gray		
4956	D	01	Roofing	Black, T&G		
4956	E	01	Sealant	Gray, Louver, Window Frame (Hard)		
4956	H	01	Gasket	Red & white, Spotlight		
4956	I	01	INSULATION	White, wire, Spotlight		
4956	J	01	PAINT	Red, Floor		
4956	K	01	PAINT	Beige & Gray, Metal		
4956	L	01	Heatshield	white, Spotlight		
4956	M	01	INSULATOR	white & Black, Spotlight		
4956	N	01	Glazing	white, window		

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48 HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS: _____

CHAIN OF CUSTODY:

1. [Signature]
TRANSFER SIGNATURE

2. [Signature]
TRANSFER SIGNATURE

3. _____
TRANSFER SIGNATURE

Luis J Rocha
PRINTED NAME

S. Hollister
PRINTED NAME

PRINTED NAME



**FORA
4956
XRF Sequential Report**

Reading No	Building	Room	Component	Substrate	Color	Condition	Results	PbC	Units
25	4956	OUTSIDE	FASCIA	METAL	GREEN	DETERIORATED	Positive	12.1	mg / cm ^2
26	4956	OUTSIDE	HAND RAIL	METAL	GREEN	DETERIORATED	Positive	3	mg / cm ^2
27	4956	OUTSIDE	WALL	METAL	BEIGE	DETERIORATED	Positive	8.6	mg / cm ^2
28	4956	OUTSIDE	WALL	CONCRETE	BEIGE	DETERIORATED	Positive	6.5	mg / cm ^2
29	4956	OUTSIDE	WINDOW SILL	METAL	BEIGE	DETERIORATED	Positive	11.4	mg / cm ^2
30	4956	OUTSIDE	COLUMN	METAL	BEIGE	DETERIORATED	Positive	21.8	mg / cm ^2
31	4956	OUTSIDE	WINDOW	METAL	BEIGE	DETERIORATED	Positive	11.1	mg / cm ^2
32	4956	OUTSIDE	DOOR FRAME	METAL	BEIGE	DETERIORATED	Positive	4.9	mg / cm ^2
33	4956	OUTSIDE	DOOR	METAL	BEIGE	DETERIORATED	Positive	4.5	mg / cm ^2
34	4956	INSIDE	FLOOR	CONCRETE	RED	DETERIORATED	Negative	0.25	mg / cm ^2
35	4956	INSIDE	CEILING	CONCRETE	BEIGE	DETERIORATED	Positive	6.8	mg / cm ^2
36			CALIBRATE				Positive	1.1	mg / cm ^2
37			CALIBRATE				Positive	1.1	mg / cm ^2
38			CALIBRATE				Positive	1.1	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

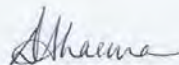
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79054-1
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/28/2017 5:22:47 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

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Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Job ID: 720-79054-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-79054-1

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The following sample was diluted to bring the concentration of target analytes Pb, Zn within the calibration range: 4956-T22-01 (720-79054-1) and 4956-T22-02 (720-79054-2). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Client Sample ID: 4956-T22-01

Lab Sample ID: 720-79054-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1100		8.2		mg/Kg	20		6010B	Total/NA
Arsenic	36		16		mg/Kg	20		6010B	Total/NA
Barium	180		8.2		mg/Kg	20		6010B	Total/NA
Cadmium	25		2.0		mg/Kg	20		6010B	Total/NA
Chromium	1600		8.2		mg/Kg	20		6010B	Total/NA
Cobalt	160		3.3		mg/Kg	20		6010B	Total/NA
Copper	62		25		mg/Kg	20		6010B	Total/NA
Lead	23000		8.2		mg/Kg	20		6010B	Total/NA
Nickel	15		8.2		mg/Kg	20		6010B	Total/NA
Vanadium	9.2		8.2		mg/Kg	20		6010B	Total/NA
Zinc	20000		25		mg/Kg	20		6010B	Total/NA
Mercury	0.18		0.0090		mg/Kg	1		7471A	Total/NA

Client Sample ID: 4956-T22-02

Lab Sample ID: 720-79054-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	200		9.0		mg/Kg	20		6010B	Total/NA
Arsenic	66		18		mg/Kg	20		6010B	Total/NA
Barium	160		9.0		mg/Kg	20		6010B	Total/NA
Cadmium	37		2.3		mg/Kg	20		6010B	Total/NA
Chromium	2600		9.0		mg/Kg	20		6010B	Total/NA
Cobalt	100		3.6		mg/Kg	20		6010B	Total/NA
Copper	47		27		mg/Kg	20		6010B	Total/NA
Lead	32000		9.0		mg/Kg	20		6010B	Total/NA
Nickel	11		9.0		mg/Kg	20		6010B	Total/NA
Vanadium	9.0		9.0		mg/Kg	20		6010B	Total/NA
Zinc	23000		27		mg/Kg	20		6010B	Total/NA
Mercury	0.19		0.0090		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Client Sample ID: 4956-T22-01

Lab Sample ID: 720-79054-1

Date Collected: 04/21/17 09:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	1100		8.2		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Arsenic	36		16		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Barium	180		8.2		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Beryllium	ND		1.6		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Cadmium	25		2.0		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Chromium	1600		8.2		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Cobalt	160		3.3		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Copper	62		25		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Lead	23000		8.2		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Molybdenum	ND		8.2		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Nickel	15		8.2		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Selenium	ND		16		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Silver	ND		4.1		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Thallium	ND		8.2		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Vanadium	9.2		8.2		mg/Kg		04/25/17 19:34	04/28/17 14:45	20
Zinc	20000		25		mg/Kg		04/25/17 19:34	04/28/17 14:45	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.18		0.0090		mg/Kg		04/24/17 13:48	04/25/17 12:56	1

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Client Sample ID: 4956-T22-02

Lab Sample ID: 720-79054-2

Date Collected: 04/21/17 09:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	200		9.0		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Arsenic	66		18		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Barium	160		9.0		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Beryllium	ND		1.8		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Cadmium	37		2.3		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Chromium	2600		9.0		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Cobalt	100		3.6		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Copper	47		27		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Lead	32000		9.0		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Molybdenum	ND		9.0		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Nickel	11		9.0		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Selenium	ND		18		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Silver	ND		4.5		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Thallium	ND		9.0		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Vanadium	9.0		9.0		mg/Kg		04/25/17 19:34	04/28/17 14:51	20
Zinc	23000		27		mg/Kg		04/25/17 19:34	04/28/17 14:51	20

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.0090		mg/Kg		04/24/17 13:48	04/25/17 12:58	1

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-221833/1-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Arsenic	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Barium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Beryllium	ND		0.10		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cadmium	ND		0.13		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Chromium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cobalt	ND		0.20		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Copper	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Lead	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Molybdenum	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Nickel	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Selenium	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Silver	ND		0.25		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Thallium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Vanadium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Zinc	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1

Lab Sample ID: LCS 720-221833/2-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	48.3		mg/Kg		97	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	49.5		mg/Kg		99	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	50.1		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	24.4		mg/Kg		98	80 - 120
Thallium	50.0	50.0		mg/Kg		100	80 - 120
Vanadium	50.0	48.9		mg/Kg		98	80 - 120
Zinc	50.0	48.8		mg/Kg		98	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-221698/1-A
Matrix: Solid
Analysis Batch: 221844

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221698

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/24/17 13:48	04/25/17 11:30	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-221698/2-A
Matrix: Solid
Analysis Batch: 221844

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221698

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.719		mg/Kg		86	80 - 120

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QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Metals

Prep Batch: 221698

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79054-1	4956-T22-01	Total/NA	Solid	7471A	
720-79054-2	4956-T22-02	Total/NA	Solid	7471A	
MB 720-221698/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-221698/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Prep Batch: 221833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79054-1	4956-T22-01	Total/NA	Solid	3050B	
720-79054-2	4956-T22-02	Total/NA	Solid	3050B	
MB 720-221833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 221844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79054-1	4956-T22-01	Total/NA	Solid	7471A	221698
720-79054-2	4956-T22-02	Total/NA	Solid	7471A	221698
MB 720-221698/1-A	Method Blank	Total/NA	Solid	7471A	221698
LCS 720-221698/2-A	Lab Control Sample	Total/NA	Solid	7471A	221698

Analysis Batch: 222056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-221833/1-A	Method Blank	Total/NA	Solid	6010B	221833
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	6010B	221833

Analysis Batch: 222091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79054-1	4956-T22-01	Total/NA	Solid	6010B	221833
720-79054-2	4956-T22-02	Total/NA	Solid	6010B	221833

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Client Sample ID: 4956-T22-01

Date Collected: 04/21/17 09:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79054-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		20	222091	04/28/17 14:45	ASB	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221844	04/25/17 12:56	OBI	TAL PLS

Client Sample ID: 4956-T22-02

Date Collected: 04/21/17 09:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79054-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		20	222091	04/28/17 14:51	ASB	TAL PLS
Total/NA	Prep	7471A			221698	04/24/17 13:48	JNG	TAL PLS
Total/NA	Analysis	7471A		1	221844	04/25/17 12:58	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79054-1	4956-T22-01	Solid	04/21/17 09:00	04/21/17 12:35
720-79054-2	4956-T22-02	Solid	04/21/17 09:00	04/21/17 12:35

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Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79054-1

Login Number: 79054
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

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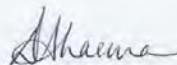
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79054-2
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
5/30/2017 2:55:14 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Qualifiers

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Job ID: 720-79054-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative 720-79054-2

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 12:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method 6010B: The continuing calibration blank (CCB) for analytical batch 720-223726 contained Pb above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Client Sample ID: 4956-T22-01

Lab Sample ID: 720-79054-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	11		0.050		mg/L	1		6010B	TCLP

Client Sample ID: 4956-T22-02

Lab Sample ID: 720-79054-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	100	^	0.050		mg/L	1		6010B	TCLP

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Client Sample ID: 4956-T22-01

Date Collected: 04/21/17 09:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79054-1

Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	11		0.050		mg/L		05/25/17 10:30	05/26/17 10:08	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Client Sample ID: 4956-T22-02

Lab Sample ID: 720-79054-2

Date Collected: 04/21/17 09:00

Matrix: Solid

Date Received: 04/21/17 12:35

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	100	^	0.050		mg/L		05/25/17 10:30	05/26/17 10:24	1
Chromium	ND		0.10		mg/L		05/25/17 10:30	05/26/17 10:24	1

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QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-223629/1-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223629

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		05/25/17 10:30	05/26/17 09:20	1
Chromium	ND		0.010		mg/L		05/25/17 10:30	05/26/17 09:20	1

Lab Sample ID: LCS 720-223629/2-A
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223629

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Lead	1.00	0.963		mg/L		96	80 - 120
Chromium	1.00	0.979		mg/L		98	80 - 120

Lab Sample ID: LB 720-223507/1-B
Matrix: Solid
Analysis Batch: 223726

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223629

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		05/25/17 10:30	05/26/17 09:31	1
Chromium	ND		0.10		mg/L		05/25/17 10:30	05/26/17 09:31	1

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Metals

Leach Batch: 223507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79054-1	4956-T22-01	TCLP	Solid	1311	
720-79054-2	4956-T22-02	TCLP	Solid	1311	
LB 720-223507/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 223629

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79054-1	4956-T22-01	TCLP	Solid	3010A	223507
720-79054-2	4956-T22-02	TCLP	Solid	3010A	223507
LB 720-223507/1-B	Method Blank	TCLP	Solid	3010A	223507
MB 720-223629/1-A	Method Blank	Total/NA	Solid	3010A	
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	3010A	

Analysis Batch: 223726

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79054-1	4956-T22-01	TCLP	Solid	6010B	223629
720-79054-2	4956-T22-02	TCLP	Solid	6010B	223629
LB 720-223507/1-B	Method Blank	TCLP	Solid	6010B	223629
MB 720-223629/1-A	Method Blank	Total/NA	Solid	6010B	223629
LCS 720-223629/2-A	Lab Control Sample	Total/NA	Solid	6010B	223629

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Client Sample ID: 4956-T22-01

Date Collected: 04/21/17 09:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79054-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 10:08	BKR	TAL PLS

Client Sample ID: 4956-T22-02

Date Collected: 04/21/17 09:00

Date Received: 04/21/17 12:35

Lab Sample ID: 720-79054-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	3010A			223629	05/25/17 10:30	JNG	TAL PLS
TCLP	Analysis	6010B		1	223726	05/26/17 10:24	BKR	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

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Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79054-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79054-1	4956-T22-01	Solid	04/21/17 09:00	04/21/17 12:35
720-79054-2	4956-T22-02	Solid	04/21/17 09:00	04/21/17 12:35

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720-79054-2

Sharma, Dimple

From: Chris Burns <chrisburns@vista-env.com>
Sent: Thursday, May 18, 2017 9:51 AM
To: Molli Rothman; Sharma, Dimple
Subject: Fwd: FORA
Attachments: TCLP and STLC Worksheet.xlsx; ATT00001.htm

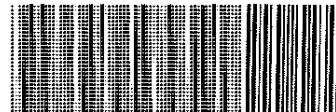
Dimple,

Please refer to the attached spreadsheet for the additional analysis we need run. Please let me know if you have any questions and confirm receipt of this request.

Thanks,
Christopher Burns
Vista Environmental Consulting
(925) 348-5361

Begin forwarded message:

From: "Molli Rothman" <molli@vista-env.com>
Date: May 18, 2017 at 9:35:25 AM PDT
To: <chrisburns@vista-env.com>
Subject: FORA



720-79054 Chain of Custody

Molli Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
molli@vista-env.com

Stockade Waste Profiles

BLDG	LAB REPORT	Sample No	Analyte	Analysis
4950	720-79057-1	4950-T22_01	Pb	TCLP
		4950-T22_02	Pb	TCLP
		4950-T22_03	Cr & Pb	TCLP
4951	720-79058-1	4951-T22_01	Pb & Hg	TCLP
		4951-T22_02	Pb	TCLP
		4951-T22_03	Pb	TCLP
4952	720-79056-1	4952-T22_01	Pb	TCLP
		4952-T22_02	Pb	TCLP
4953	720-79051-1	4953-T22_01	Pb	TCLP
		4953-T22_02	Pb	TCLP
		4953-T22_03	Nothing	Nothing
		4953-T22_04	Pb	TCLP & STLC
4954	720-79052-1	4954-T22_01	Pb	TCLP
		4954-T22_02	Cr & Pb	TCLP & STLC
4955	720-79053-1	4955-T22_01	Pb	TCLP & STLC
4956	720-79054-1	4956-T22_01	Pb	TCLP
		4956-T22_02	Cr & Pb	TCLP
4957	720-79055-1	4957-T22_01	Hg	TCLP
		4957-T22_02	Hg	TCLP & STLC



Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79054-2

Login Number: 79054
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



BUILDING 4957



The information contained in these appendices are not stand alone documents and should not be separated from this report. For specific regulatory requirements regarding these materials please refer to the information provided in the Main Report. Quantities and locations listed in the tables are order of magnitude estimates and are not to be used for bidding purposes. It is the sole responsibility of the contractor to verify quantities and locations of hazardous materials in the path of construction through site visits and contractual bid set documents, including, but not limited to all specifications, drawings, and addenda. Any discrepancies between the contractual bid set documentation and site visits must be submitted in writing to the Owner or Owner's representative, prior to bidding.

MBARD classifications are based upon the material's condition at the time of the survey or as rendered as a result of standard manual removal/demolition techniques. The use of "mechanical means", non-standard or other aggressive removal/demolition techniques may result in a different classification. MBARD & Cal-OSHA classifications are based on the materials being >1% asbestos pending further analytical data that proves otherwise.

BUILDING 4957

HAZARDOUS MATERIALS SUMMARY

Asbestos

HOMO. ID	MATERIAL	DESCRIPTION	LOCATION	CAL/OSHA CLASS	MBUAPCD CATEGORY	ESTIMATED QUANTITY
B	Sealant	Tan & Gray, Louver	Louvers	Class II	Category I - Non-Friable	3 SF (36 LF)
D	Putty	White, Window	Windows	Class II	Category II - Non-Friable	72 SF (Windows)

Lead-Based Paint and Materials

Reading No	Room	Component	Substrate	Color	Condition	Pb	Units
10	Outside	Louver	Metal	Beige	Deteriorated	2.3	mg/cm ²

All remaining tested materials had lead concentrations in excess of the level for compliance with trigger activities, as defined in 8 CCR 1532.1.

Other Hazardous Materials

MATERIAL	CONTAMINANT	ESTIMATED QUANTITY
Non-Incandescent Lamps	Universal Waste	1

BUILDING 4957
HAZARDOUS MATERIALS SUMMARY

Waste Characterization Estimate

Exterior Paint

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Barium	1800	mg/kg	1800	10,000	No	YES	NA	NA
Chromium	9.9	mg/kg	9.9	2,500	No	No	NA	NA
Cobalt	8.4	mg/kg	8.4	8,000	No	No	NA	NA
Copper	20	mg/kg	20	2,500	No	No	NA	NA
Lead	200	mg/kg	200	1,000	No	YES	NA	NA
Nickel	6.3	mg/kg	6.3	2,000	No	No	NA	NA
Vanadium	13	mg/kg	13	2,400	No	No	NA	NA
Zinc	260	mg/kg	260	5,000	No	No	NA	NA
Mercury	270	mg/kg	270	20	YES	No	0	No

Other (Painted CMU, Painted Wood, and Roofing)

Analyte	TTLCLab Result	Units	Conversion to mg/kg	TTLCLab Cal/Haz Level (mg/kg)	Exceed the Cal/Haz Level?	Need STLC?	STLC Lab Results (mg/l)	STLC Level (mg/l)	Exceed the Cal/Haz Level?	Need TCLP?	TCLPLab Results (mg/l)	Exceed the RCRA Level?
Barium	210	mg/kg	210	10,000	No	No	NA	100	No	NA	NA	NA
Cadmium	0.38	mg/kg	0.38	100	No	No	NA	1	No	NA	NA	NA
Chromium	5.3	mg/kg	5.3	2,500	No	No	NA	5	No	NA	NA	NA
Cobalt	1.5	mg/kg	1.5	8,000	No	No	NA	80	No	NA	NA	NA
Copper	20	mg/kg	20	2,500	No	No	NA	25	No	NA	NA	NA
Lead	30	mg/kg	30	1,000	No	No	NA	5	No	NA	NA	NA
Molybdenum	1.5	mg/kg	1.5	3,500	No	NA	NA	350	No	NA	NA	NA
Nickel	19	mg/kg	19	2,000	No	No	NA	20	No	NA	NA	NA
Vanadium	21	mg/kg	21	2,400	No	No	NA	24	No	NA	NA	NA
Zinc	150	mg/kg	150	5,000	No	No	NA	250	No	NA	NA	NA
Mercury	12	mg/kg	12	20	No	YES	0	0.2	No	YES	0	No

Shaded sample results were below the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCLab level. However, Soluble Threshold Limit Concentration (STLC) testing and analysis would be needed to see if it is a California Hazardous Waste, and Toxicity Characteristic Leaching Procedure (TCLP) testing and analysis would be needed to determine if it is a Federal RCRA Hazardous Waste.

Bolded sample results were above the Title 22 CCR Division 4.5, Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes TTLCLab and or STLC level and would be considered a California Hazardous Waste. TCLP testing and analysis may be needed to determine if it is a Federal RCRA Hazardous Waste.



BUILDING 4957 HAZARDOUS MATERIALS SUMMARY

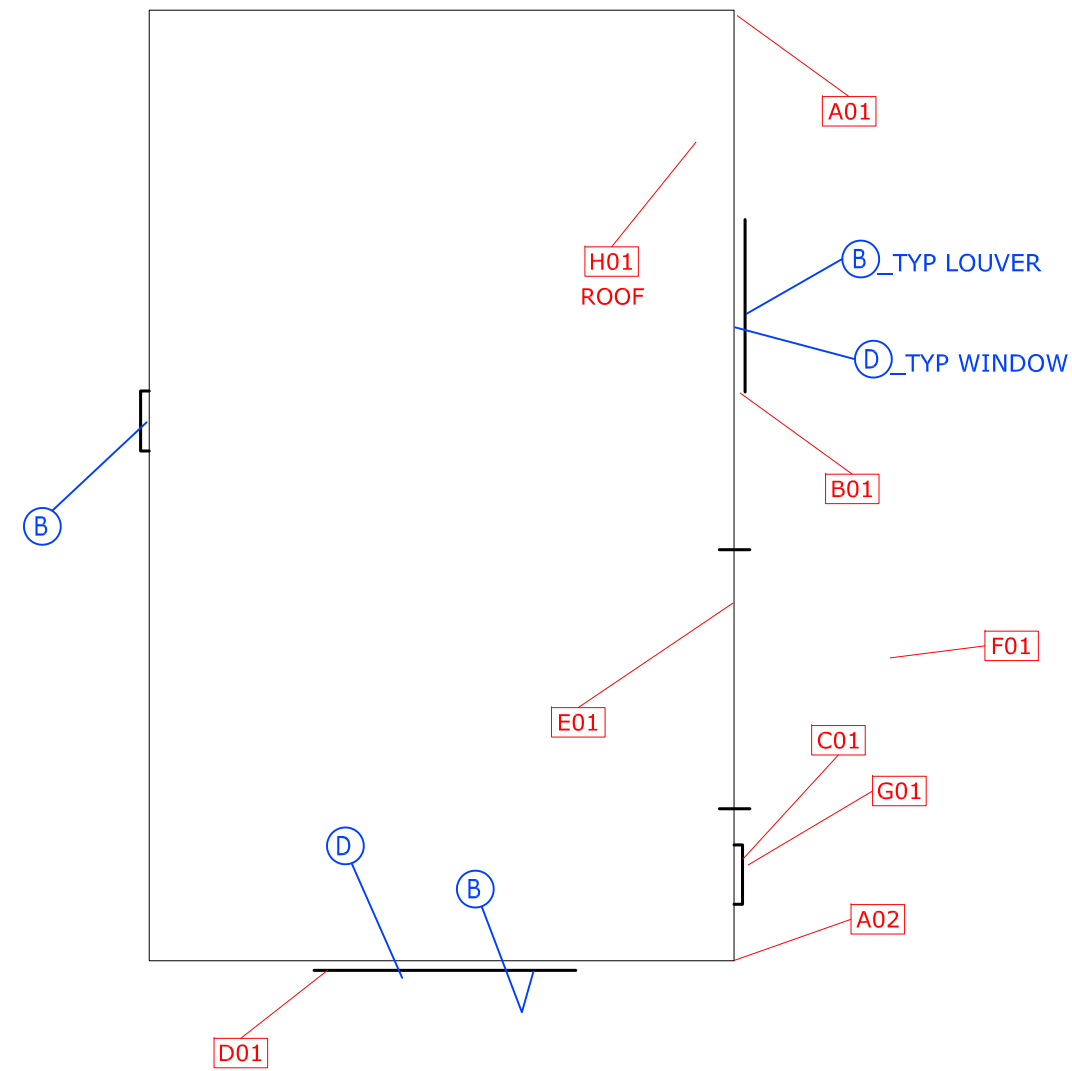
Shaded and Bolded sample results are considered a Federal RCRA Hazardous Waste.

Tested metals not listed were below the reporting limit, which represents the lowest amount of analyte that the laboratory can confidently detect in the sample.

BUILDING 4957
ASBESTOS SAMPLING INVENTORY

HOMOGENEOUS ID	MATERIAL	DESCRIPTION	# OF SAMPLES
A	Paint/Concrete Masonry Unit/Mortar	Beige/Gray/Gray	2
B	Sealant	Tan & Gray, Louver	1
C	Insulator Paper	White, Electrical Box	1
D	Putty	White, Window	1
E	Concrete	Gray, Foundation	1
F	Asphalt	Black	1
G	Tar	Black, Electrical Box	1
H	Roofing	Black, Tar & Gravel	1

LEGEND	
	-ASBESTOS SAMPLE LOCATION
	-ASBESTOS MATERIAL LOCATION



www.vista-env.com
 2984 TEAGARDEN STREET
 SAN LEANDRO, CA 94577
 510-346-8860

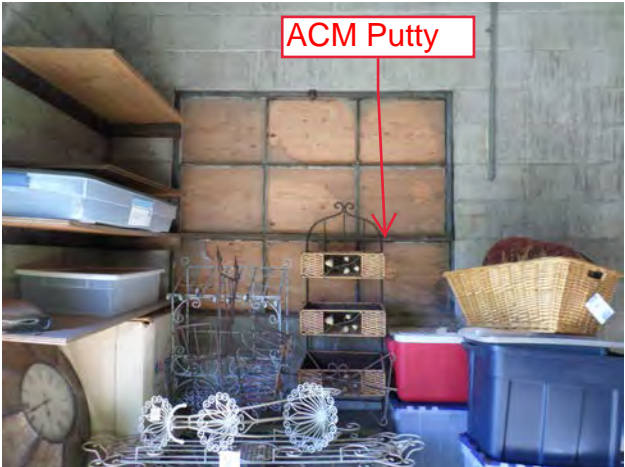
PROJECT TITLE
 FORA
 STOCKADE COMPLEX

SHEET TITLE
 4957
 ASBESTOS-CONTAINING MATERIALS
 AND SAMPLE LOCATIONS

SCALE:
 DRAWN BY: ADF
 CHECKED BY: CB
 PROJECT No.
 DATE: 05/01/17
 DRAWING No.

FIGURE
 1

BUILDING 4957
PHOTO DOCUMENTATION





Bulk Asbestos Analysis

(EPA Method 600/R-93-116, Visual Area Estimation)

Vista Environmental Consultants
Project Manager
2984 Teagarden St.

San Leandro, CA 94577

Client ID: L1161
Report Number: B236884
Date Received: 03/28/17
Date Analyzed: 03/29/17
Date Printed: 03/30/17
First Reported: 03/30/17

Job ID/Site: 17191001 - FORA, Stockdale Bldg. #4957

FALI Job ID: L1161
Total Samples Submitted: 9
Total Samples Analyzed: 9

Date(s) Collected: 03/27/2017

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4957-A-01	11873071						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4957-A-02	11873072						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4957-B-01	11873073						
Layer: Grey Non-Fibrous Material		Chrysotile	5 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (5%)					
Cellulose (Trace)							
4957-C-01	11873074						
Layer: White Fibrous Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (99 %)							
4957-D-01	11873075						
Layer: Grey Non-Fibrous Material		Chrysotile	2 %				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (2%)					
Cellulose (Trace)							
4957-E-01	11873076						
Layer: Grey Cementitious Material			ND				
Layer: Paint			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4957-F-01	11873077						
Layer: Black Cementitious Material			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							

Client Name: Vista Environmental Consultants

Report Number: B236884

Date Printed: 03/30/17

Sample ID	Lab Number	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer	Asbestos Type	Percent in Layer
4957-G-01	11873078						
Layer: Black Tar			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (Trace)							
4957-H-01	11873079						
Layer: Black Semi-Fibrous Tar			ND				
Total Composite Values of Fibrous Components:		Asbestos (ND)					
Cellulose (20 %)							



Tad Thrower, Laboratory Supervisor, Hayward Laboratory

Note: Limit of Quantification ('LOQ') = 1%. 'Trace' denotes the presence of asbestos below the LOQ. 'ND' = 'None Detected'.

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VISTA ENVIRONMENTAL
CONSULTING

ASBESTOS BULK SAMPLE LOG

2984 TEAGARDEN STREET
SAN LEANDRO, CA 94577

OFFICE 510.346.8860
FAX 888.653.8889

CLIENT: FORA

DATE: 3/27/17

LOCATION: Stockade Bldg# 4957

PROJECT NUMBER: 17191001

SAMPLED BY: OB

CAC OR SST No: 92-0224

BUILDING	HOMO AREA ID	NUMBER	MATERIAL	DESCRIPTION	LOCATION	QUANTITY (SF/LF/EA)
4957	A	01	PAINT/CONCRETE MORTAR	Beige/GRAY/GRAY		
4957	A	02	↓	↓		
4957	B	01	SEALANT	TAN & GRAY, COVER		
4957	C	01	INSULATOR PAPER	White, Elec Box		
4957	D	01	Petty	White, WINDOW		
4957	E	01	Concrete	GRAY, Foundation		
4957	F	01	Asphalt	Black		
4957	G	01	TAR	Black, Elec Box		
4957	H	01	Roofing	Black, Tar & Gravel		
9 samples						

ANALYTICAL METHOD: PLM 400 PT COUNT TURNAROUND TIME: SAME DAY 24HR 48HR 3 DAY

DATA SENT TO: CHRISTOPHER BURNS VIA E-MAIL: CHRISBURNS@VISTA-ENV.COM
QUESTIONS CALL: 510.658.8860

SPECIAL INSTRUCTIONS:

CHAIN OF CUSTODY:

1. [Signature] Chris Elliott 3/28/17 1338
TRANSFER SIGNATURE PRINTED NAME DATE/TIME

2. _____ Cym Ypm d/o
TRANSFER SIGNATURE PRINTED NAME DATE/TIME

3. _____ _____
TRANSFER SIGNATURE PRINTED NAME DATE/TIME



**FORA
4957
XRF Sequential Report**

Reading No	Building	Room	Component	Substrate	Color	Condition	Results	PbC	Units
1			SHUTTER_CAL					4.57	cps
2			CALIBRATE				Positive	1	mg / cm ^2
3			CALIBRATE				Positive	1.1	mg / cm ^2
4			CALIBRATE				Positive	1.1	mg / cm ^2
5	4957	OUTSIDE	FASCIA	WOOD	BEIGE	DETERIORATED	Negative	0.5	mg / cm ^2
6	4957	OUTSIDE	FASCIA	METAL	BEIGE	DETERIORATED	Negative	0.26	mg / cm ^2
7	4957	OUTSIDE	WALL	CONCRETE	BEIGE	DETERIORATED	Negative	0.01	mg / cm ^2
8	4957	OUTSIDE	WALL	CONCRETE	BEIGE	DETERIORATED	Negative	0.02	mg / cm ^2
9	4957	OUTSIDE	WINDOW SILL	CONCRETE	BEIGE	DETERIORATED	Negative	0.26	mg / cm ^2
10	4957	OUTSIDE	LOUVER	METAL	BEIGE	DETERIORATED	Positive	2.3	mg / cm ^2
11	4957	OUTSIDE	DOOR, ROLLING	METAL	BEIGE	DETERIORATED	Negative	0.06	mg / cm ^2

This data is a screening of lead levels and provides results that are generally representative of typical conditions, but are not inclusive of all painted/coated surfaces at the Project Site.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

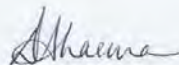
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79055-1
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
4/28/2017 5:24:04 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

LINKS

Review your project
results through
TotalAccess

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Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Job ID: 720-79055-1

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79055-1**

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 1:03 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Client Sample ID: 4957-T22-01

Lab Sample ID: 720-79055-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	1800		1.7		mg/Kg	4		6010B	Total/NA
Chromium	9.9		1.7		mg/Kg	4		6010B	Total/NA
Cobalt	8.4		0.67		mg/Kg	4		6010B	Total/NA
Copper	20		5.0		mg/Kg	4		6010B	Total/NA
Lead	200		1.7		mg/Kg	4		6010B	Total/NA
Nickel	6.3		1.7		mg/Kg	4		6010B	Total/NA
Vanadium	13		1.7		mg/Kg	4		6010B	Total/NA
Zinc	260		5.0		mg/Kg	4		6010B	Total/NA
Mercury	270		10		mg/Kg	1000		7471A	Total/NA

Client Sample ID: 4957-T22-02

Lab Sample ID: 720-79055-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	210		1.4		mg/Kg	4		6010B	Total/NA
Cadmium	0.38		0.36		mg/Kg	4		6010B	Total/NA
Chromium	5.3		1.4		mg/Kg	4		6010B	Total/NA
Cobalt	1.5		0.57		mg/Kg	4		6010B	Total/NA
Copper	20		4.3		mg/Kg	4		6010B	Total/NA
Lead	30		1.4		mg/Kg	4		6010B	Total/NA
Molybdenum	1.5		1.4		mg/Kg	4		6010B	Total/NA
Nickel	19		1.4		mg/Kg	4		6010B	Total/NA
Vanadium	21		1.4		mg/Kg	4		6010B	Total/NA
Zinc	150		4.3		mg/Kg	4		6010B	Total/NA
Mercury	12		0.095		mg/Kg	10		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Client Sample ID: 4957-T22-01

Lab Sample ID: 720-79055-1

Date Collected: 04/21/17 07:30

Matrix: Solid

Date Received: 04/21/17 13:03

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.7		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Arsenic	ND		3.3		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Barium	1800		1.7		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Beryllium	ND		0.33		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Cadmium	ND		0.42		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Chromium	9.9		1.7		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Cobalt	8.4		0.67		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Copper	20		5.0		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Lead	200		1.7		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Molybdenum	ND		1.7		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Nickel	6.3		1.7		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Selenium	ND		3.3		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Silver	ND		0.83		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Thallium	ND		1.7		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Vanadium	13		1.7		mg/Kg		04/25/17 19:34	04/28/17 14:56	4
Zinc	260		5.0		mg/Kg		04/25/17 19:34	04/28/17 14:56	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	270		10		mg/Kg		04/25/17 09:41	04/25/17 16:28	1000

Client Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Client Sample ID: 4957-T22-02

Lab Sample ID: 720-79055-2

Date Collected: 04/21/17 07:31

Matrix: Solid

Date Received: 04/21/17 13:03

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.4		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Arsenic	ND		2.9		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Barium	210		1.4		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Beryllium	ND		0.29		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Cadmium	0.38		0.36		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Chromium	5.3		1.4		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Cobalt	1.5		0.57		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Copper	20		4.3		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Lead	30		1.4		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Molybdenum	1.5		1.4		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Nickel	19		1.4		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Selenium	ND		2.9		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Silver	ND		0.71		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Thallium	ND		1.4		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Vanadium	21		1.4		mg/Kg		04/25/17 19:34	04/27/17 20:31	4
Zinc	150		4.3		mg/Kg		04/25/17 19:34	04/27/17 20:31	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	12		0.095		mg/Kg		04/25/17 09:41	04/25/17 15:10	10

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-221833/1-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Arsenic	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Barium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Beryllium	ND		0.10		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cadmium	ND		0.13		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Chromium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Cobalt	ND		0.20		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Copper	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Lead	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Molybdenum	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Nickel	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Selenium	ND		1.0		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Silver	ND		0.25		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Thallium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Vanadium	ND		0.50		mg/Kg		04/25/17 19:34	04/27/17 18:39	1
Zinc	ND		1.5		mg/Kg		04/25/17 19:34	04/27/17 18:39	1

Lab Sample ID: LCS 720-221833/2-A
Matrix: Solid
Analysis Batch: 222056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Antimony	50.0	48.3		mg/Kg		97	80 - 120
Arsenic	50.0	48.4		mg/Kg		97	80 - 120
Barium	50.0	49.5		mg/Kg		99	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	48.6		mg/Kg		97	80 - 120
Chromium	50.0	50.1		mg/Kg		100	80 - 120
Cobalt	50.0	49.5		mg/Kg		99	80 - 120
Copper	50.0	50.1		mg/Kg		100	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	49.1		mg/Kg		98	80 - 120
Nickel	50.0	49.2		mg/Kg		98	80 - 120
Selenium	50.0	47.3		mg/Kg		95	80 - 120
Silver	25.0	24.4		mg/Kg		98	80 - 120
Thallium	50.0	50.0		mg/Kg		100	80 - 120
Vanadium	50.0	48.9		mg/Kg		98	80 - 120
Zinc	50.0	48.8		mg/Kg		98	80 - 120

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-221815/1-A
Matrix: Solid
Analysis Batch: 221861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 221815

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/25/17 09:41	04/25/17 13:41	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-221815/2-A
Matrix: Solid
Analysis Batch: 221861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 221815

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.833	0.795		mg/Kg		95	80 - 120

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QC Association Summary

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Metals

Prep Batch: 221815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-1	4957-T22-01	Total/NA	Solid	7471A	
720-79055-2	4957-T22-02	Total/NA	Solid	7471A	
MB 720-221815/1-A	Method Blank	Total/NA	Solid	7471A	
LCS 720-221815/2-A	Lab Control Sample	Total/NA	Solid	7471A	

Prep Batch: 221833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-1	4957-T22-01	Total/NA	Solid	3050B	
720-79055-2	4957-T22-02	Total/NA	Solid	3050B	
MB 720-221833/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 221861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-1	4957-T22-01	Total/NA	Solid	7471A	221815
720-79055-2	4957-T22-02	Total/NA	Solid	7471A	221815
MB 720-221815/1-A	Method Blank	Total/NA	Solid	7471A	221815
LCS 720-221815/2-A	Lab Control Sample	Total/NA	Solid	7471A	221815

Analysis Batch: 222056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-2	4957-T22-02	Total/NA	Solid	6010B	221833
MB 720-221833/1-A	Method Blank	Total/NA	Solid	6010B	221833
LCS 720-221833/2-A	Lab Control Sample	Total/NA	Solid	6010B	221833

Analysis Batch: 222091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-1	4957-T22-01	Total/NA	Solid	6010B	221833

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Client Sample ID: 4957-T22-01

Date Collected: 04/21/17 07:30

Date Received: 04/21/17 13:03

Lab Sample ID: 720-79055-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		4	222091	04/28/17 14:56	ASB	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		1000	221861	04/25/17 16:28	OBI	TAL PLS

Client Sample ID: 4957-T22-02

Date Collected: 04/21/17 07:31

Date Received: 04/21/17 13:03

Lab Sample ID: 720-79055-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			221833	04/25/17 19:34	MJD	TAL PLS
Total/NA	Analysis	6010B		4	222056	04/27/17 20:31	CAM	TAL PLS
Total/NA	Prep	7471A			221815	04/25/17 09:41	JNG	TAL PLS
Total/NA	Analysis	7471A		10	221861	04/25/17 15:10	OBI	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79055-1	4957-T22-01	Solid	04/21/17 07:30	04/21/17 13:03
720-79055-2	4957-T22-02	Solid	04/21/17 07:31	04/21/17 13:03

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TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
phone 925.484.1919 fax 925.600.3002

Chain of Custody Record

720-79055

175467

Regulatory Program: DW NPDES RCRA Other:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTS
TestAmerica Laboratories, Inc.

Client Contact: Vista Environmental Consulting
2984 Teagarden Street
San Leandro, CA 94577
510-346-8860
888-296-0271
FORA - Stockade
Task 3 - 4957

Project Manager: Chris Burns
TAT if different from Below: CALENDAR DAYS WORKING DAYS
Analysis Turnaround Time: 2 weeks 1 week 2 days 1 day

Site Contact: _____
Lab Contact: _____
Date: _____
Carrier: _____
COC No: 1 of 1 COCs

Sample Identification

Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.
4/21/2017	730	C	Solid	1
4/22/2017	731	C	Solid	1/2

Filtered Sample (Y/N) _____
Perform MS / MSD (Y/N) _____
CAM17 (6010B) _____
Mercury (7471A) _____



720-79055 Chain of Custody

Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other _____ 1 _____

Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments: Please email report to chrisburns@vista-env.com & mollie@vista-env.com

Non-Hazard Flammable Skin Irritant Poison B Unknown Return to Client Disposal by Lab Archive for _____ Months

Custody Seals Intact: Yes No
Cooler Temp. (°C): Obs'd: _____
Therm ID No: _____

Relinquished by: _____
Date/Time: _____
Company: _____

Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79055-1

Login Number: 79055
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-79055-2
Client Project/Site: FORA-Stockade

For:
Vista Environmental Consulting, Inc
2984 Teagarden Street
San Leandro, California 94577

Attn: Chris Burns



Authorized for release by:
6/12/2017 2:52:11 PM

Micah Smith, Project Manager II
(916)374-4302
micah.smith@testamericainc.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:
www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Definitions/Glossary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Qualifiers

Metals

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
▫	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Job ID: 720-79055-2

Laboratory: TestAmerica Pleasanton

Narrative

**Job Narrative
720-79055-2**

Comments

No additional comments.

Receipt

The samples were received on 4/21/2017 1:03 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 17.4° C.

Metals

Method(s) 7470A: The following samples were analyzed outside of analytical holding time upon client request: 4957-T22-01 (720-79055-1) and 4957-T22-02 (720-79055-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Client Sample ID: 4957-T22-01

Lab Sample ID: 720-79055-1

No Detections.

Client Sample ID: 4957-T22-02

Lab Sample ID: 720-79055-2

No Detections.

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This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Client Sample ID: 4957-T22-01

Date Collected: 04/21/17 07:30

Date Received: 04/21/17 13:03

Lab Sample ID: 720-79055-1

Matrix: Solid

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.0020		mg/L		05/26/17 08:43	05/26/17 14:36	1

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Client Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Client Sample ID: 4957-T22-02

Date Collected: 04/21/17 07:31

Date Received: 04/21/17 13:03

Lab Sample ID: 720-79055-2

Matrix: Solid

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.0020		mg/L		06/01/17 11:20	06/02/17 10:44	1

Method: 7470A - Mercury (CVAA) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.0050		mg/L		05/31/17 18:16	05/31/17 21:23	1

- 1
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QC Sample Results

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 720-223677/1-A
Matrix: Solid
Analysis Batch: 223754

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223677

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		05/26/17 08:43	05/26/17 14:04	1

Lab Sample ID: LCS 720-223677/2-A
Matrix: Solid
Analysis Batch: 223754

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223677

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.0100	0.00976		mg/L		98	80 - 120

Lab Sample ID: MB 720-223958/1-A
Matrix: Solid
Analysis Batch: 223983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223958

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00025		mg/L		05/31/17 18:16	05/31/17 21:13	1

Lab Sample ID: LCS 720-223958/2-A
Matrix: Solid
Analysis Batch: 223983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223958

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.0125	0.0115		mg/L		92	85 - 115

Lab Sample ID: MB 720-224006/1-A
Matrix: Solid
Analysis Batch: 224078

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224006

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		06/01/17 11:20	06/02/17 10:05	1

Lab Sample ID: LCS 720-224006/2-A
Matrix: Solid
Analysis Batch: 224078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224006

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Mercury	0.0100	0.00986		mg/L		99	80 - 120

Lab Sample ID: LB 720-223507/1-C
Matrix: Solid
Analysis Batch: 223754

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 223677

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		05/26/17 08:43	05/26/17 14:22	1

Lab Sample ID: LB 720-223844/1-C
Matrix: Solid
Analysis Batch: 224078

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 224006

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0020		mg/L		06/01/17 11:20	06/02/17 10:42	1

TestAmerica Pleasanton

QC Sample Results

Client: Vista Environmental Consulting, Inc
 Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Lab Sample ID: LB4 720-223784/1-E
Matrix: Solid
Analysis Batch: 223983

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 223958

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0050		mg/L		05/31/17 18:16	05/31/17 21:17	1

Lab Sample ID: 720-79055-2 MS
Matrix: Solid
Analysis Batch: 223983

Client Sample ID: 4957-T22-02
Prep Type: STLC Citrate
Prep Batch: 223958

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Mercury	ND	H	0.250	0.210		mg/L		84	75 - 125

Lab Sample ID: 720-79055-2 MSD
Matrix: Solid
Analysis Batch: 223983

Client Sample ID: 4957-T22-02
Prep Type: STLC Citrate
Prep Batch: 223958

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	RPD Limit
Mercury	ND	H	0.250	0.203		mg/L		81	75 - 125	4	20

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Metals

Leach Batch: 223507

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-1	4957-T22-01	TCLP	Solid	1311	
LB 720-223507/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 223677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-1	4957-T22-01	TCLP	Solid	7470A	223507
LB 720-223507/1-C	Method Blank	TCLP	Solid	7470A	223507
MB 720-223677/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 720-223677/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 223754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-1	4957-T22-01	TCLP	Solid	7470A	223677
LB 720-223507/1-C	Method Blank	TCLP	Solid	7470A	223677
MB 720-223677/1-A	Method Blank	Total/NA	Solid	7470A	223677
LCS 720-223677/2-A	Lab Control Sample	Total/NA	Solid	7470A	223677

Leach Batch: 223784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-2	4957-T22-02	STLC Citrate	Solid	CA WET Citrate	
LB4 720-223784/1-E	Method Blank	STLC Citrate	Solid	CA WET Citrate	
720-79055-2 MS	4957-T22-02	STLC Citrate	Solid	CA WET Citrate	
720-79055-2 MSD	4957-T22-02	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 223844

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-2	4957-T22-02	TCLP	Solid	1311	
LB 720-223844/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 223958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-2	4957-T22-02	STLC Citrate	Solid	7470A	223784
LB4 720-223784/1-E	Method Blank	STLC Citrate	Solid	7470A	223784
MB 720-223958/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 720-223958/2-A	Lab Control Sample	Total/NA	Solid	7470A	
720-79055-2 MS	4957-T22-02	STLC Citrate	Solid	7470A	223784
720-79055-2 MSD	4957-T22-02	STLC Citrate	Solid	7470A	223784

Analysis Batch: 223983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-2	4957-T22-02	STLC Citrate	Solid	7470A	223958
LB4 720-223784/1-E	Method Blank	STLC Citrate	Solid	7470A	223958
MB 720-223958/1-A	Method Blank	Total/NA	Solid	7470A	223958
LCS 720-223958/2-A	Lab Control Sample	Total/NA	Solid	7470A	223958
720-79055-2 MS	4957-T22-02	STLC Citrate	Solid	7470A	223958
720-79055-2 MSD	4957-T22-02	STLC Citrate	Solid	7470A	223958

Prep Batch: 224006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-2	4957-T22-02	TCLP	Solid	7470A	223844
LB 720-223844/1-C	Method Blank	TCLP	Solid	7470A	223844

TestAmerica Pleasanton

QC Association Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Metals (Continued)

Prep Batch: 224006 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-224006/1-A	Method Blank	Total/NA	Solid	7470A	
LCS 720-224006/2-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 224078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-79055-2	4957-T22-02	TCLP	Solid	7470A	224006
LB 720-223844/1-C	Method Blank	TCLP	Solid	7470A	224006
MB 720-224006/1-A	Method Blank	Total/NA	Solid	7470A	224006
LCS 720-224006/2-A	Lab Control Sample	Total/NA	Solid	7470A	224006

Lab Chronicle

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Client Sample ID: 4957-T22-01

Date Collected: 04/21/17 07:30

Date Received: 04/21/17 13:03

Lab Sample ID: 720-79055-1

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			223507	05/24/17 14:20	JNG	TAL PLS
TCLP	Prep	7470A			223677	05/26/17 08:43	JNG	TAL PLS
TCLP	Analysis	7470A		1	223754	05/26/17 14:36	OBI	TAL PLS

Client Sample ID: 4957-T22-02

Date Collected: 04/21/17 07:31

Date Received: 04/21/17 13:03

Lab Sample ID: 720-79055-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			223784	05/29/17 12:08	JNG	TAL PLS
STLC Citrate	Prep	7470A			223958	05/31/17 18:16	OBI	TAL PLS
STLC Citrate	Analysis	7470A		1	223983	05/31/17 21:23	OBI	TAL PLS
TCLP	Leach	1311			223844	05/31/17 14:10	JNG	TAL PLS
TCLP	Prep	7470A			224006	06/01/17 11:20	JNG	TAL PLS
TCLP	Analysis	7470A		1	224078	06/02/17 10:44	OBI	TAL PLS

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Accreditation/Certification Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	State Program	9	2496	01-31-18

Analysis Method	Prep Method	Matrix	Analyte
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Method Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Method	Method Description	Protocol	Laboratory
7470A	Mercury (CVAA)	SW846	TAL PLS
Crush & Grind	General Sub Contract Method	NONE	

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919



Sample Summary

Client: Vista Environmental Consulting, Inc
Project/Site: FORA-Stockade

TestAmerica Job ID: 720-79055-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-79055-1	4957-T22-01	Solid	04/21/17 07:30	04/21/17 13:03
720-79055-2	4957-T22-02	Solid	04/21/17 07:31	04/21/17 13:03

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720-79055-2

Sharma, Dimple

From: Chris Burns <chrisburns@vista-env.com>
Sent: Thursday, May 18, 2017 9:51 AM
To: Molli Rothman; Sharma, Dimple
Subject: Fwd: FORA
Attachments: TCLP and STLC Worksheet.xlsx; ATT00001.htm

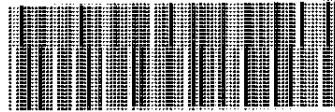
Dimple,

Please refer to the attached spreadsheet for the additional analysis we need run. Please let me know if you have any questions and confirm receipt of this request.

Thanks,
Christopher Burns
Vista Environmental Consulting
(925) 348-5361

Begin forwarded message:

From: "Molli Rothman" <molli@vista-env.com>
Date: May 18, 2017 at 9:35:25 AM PDT
To: <chrisburns@vista-env.com>
Subject: FORA



720-79055 Chain of Custody

Molli Rothman
VISTA ENVIRONMENTAL CONSULTING, INC.
2984 Teagarden Street
San Leandro, CA 94577
(510) 346-8860
(888) 296-0271 fax
molli@vista-env.com

Stockade Waste Profiles

720-79055-2

BLDG	LAB REPORT	Sample No	Analyte	Analysis
4950	720-79057-1	4950-T22_01	Pb	TCLP
		4950-T22_02	Pb	TCLP
		4950-T22_03	Cr & Pb	TCLP
4951	720-79058-1	4951-T22_01	Pb & Hg	TCLP
		4951-T22_02	Pb	TCLP
		4951-T22_03	Pb	TCLP
4952	720-79056-1	4952-T22_01	Pb	TCLP
		4952-T22_02	Pb	TCLP
		4953-T22_01	Pb	TCLP
4953	720-79051-1	4953-T22_02	Pb	TCLP
		4953-T22_03	Nothing	Nothing
		4953-T22_04	Pb	TCLP & STLC
		4954-T22_01	Pb	TCLP
4954	720-79052-1	4954-T22_02	Cr & Pb	TCLP & STLC
		4955-T22_01	Pb	TCLP & STLC
4955	720-79053-1	4955-T22_01	Pb	TCLP
4956	720-79054-1	4956-T22_01	Pb	TCLP
		4956-T22_02	Cr & Pb	TCLP
4957	720-79055-1	4957-T22_01	Hg	TCLP
		4957-T22_02	Hg	TCLP & STLC

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Login Sample Receipt Checklist

Client: Vista Environmental Consulting, Inc

Job Number: 720-79055-2

Login Number: 79055
List Number: 1
Creator: Arauz, Dennis

List Source: TestAmerica Pleasanton

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

