

ENVIRONMENTAL CONSULTING SERVICES UC-ANR INTERMOUNTAIN RESEARCH AND EXTENSION CENTER TULELAKE, CA 96134

08/24/2021

Millennium Project No.: 21015.2001

Submitted to: Luzanne Martin UC-ANR Facilities Planning & Management 2801 Second Street Davis, CA 95618

Submitted by: Millennium Consulting Associates 4683 Chabot Dr., Ste. 380 Pleasanton, CA 94588





Table of Contents

EXECUTIVE SUMMARY	1
Introduction	4
2.1 Scope of Work	4
2.2 Sampling Methods, Procedures, and Personnel	4
2.2.1 Review of Procedures: Asbestos Inspection, Bulk Sampling, and Laboratory Infor	rmation 5
2.2.2 Review of Procedures: Lead Inspection and Regulations, Bulk Sampling, and laboration	•
2.2.3 Review of Procedures: PCB Inspection, Bulk Sampling, and Laboratory Information	ion7
2.2.4 Review of Procedures: Soil Inspection, Grab Sampling for TPH/pesticides, and Laboratory Information	8
SITE HISTORY AND BUILDING SUMMARY	9
Asbestos, Lead, and PCB Survey Results	10
DATA RESULTS	10
Building 101	11
Building 202	13
Buildings 203	14
Building 204	16
Building 206	19
Building 207	21
Building 208	22
Building 211	23
Building 212	24
Building 213	25
Building 214	26
Building 216	27
Building 217	28
Building 304	29
Buildings 305, 306 & 307	31



Building 308	32
Building 401	34
Building 404	35
4.1 TPH and Pestcide Soil Survey Results	36
Data Results	36
Location Summaries	36
Building 205	37
Building 214	37
Building 212	37
Building 401	37
4.1.1 Soil Sample Results Summary	37
5.0 Recommendations	38
5.1 Asbestos	38
5.2 Lead Containing Materials – Safe Work Practices	38
5.3 Lead Containing Materials - Lead Waste Profiling	39
5.4 PCBs in Bulk Building Materials	40
5.5 Other Regulated Materials (ORMs)	40
5.6 Hazardous Materials Specifications and Drawings	
5.7 TPH and Pesticide in Soil	40
6.0 Limiting Conditions	41
Tables	
Table 1.1. Survey Summary of Building Materials with Asbestos	1
Table 1.2. Survey Summary of Positive Lead Results	
Table 4.1. Summary of materials identified as containing asbestos in Building 101	
Table 4.2. Summary of materials identified as lead based paint (LBP) and lead containing paint	, 1 1
	12
(LCP) at Building 202 Table 4.3. Summary of materials identified as containing asbestos in Building 203	
	14
Table 4.4. Summary of materials identified as lead based paint (LBP) and lead containing paint (LCP) in Building 203	4.4
[LAJE] III DUIJOING 200	14



Table 4.5. Summary of materials identified as lead based paint (LBP) and lead containing paint	
(LCP) at Building 204	16
Table 4.6. Summary of materials identified as containing asbestos in Building 205	18
Table 4.7. Summary of materials identified as lead based paint (LBP) and lead-containing paint	
(LCP) in Building 205	18
Table 4.8. Summary of materials identified as containing asbestos in Building 206	19
Table 4.9. Summary of materials identified as containing asbestos in Building 211	23
Table 4.10. Summary of materials identified as containing asbestos in Building 213	25
Table 4.11. Summary of materials identified as lead based paint (LBP) and lead-containing paint	
(LCP) in Building 213	25
Table 4.12. Summary of materials identified as containing asbestos in Building 214	26
Table 4.13. Summary of materials identified as lead based paint (LBP) and lead-containing paint	
(LCP) in Building 214	26
Table 4.14. Summary of materials identified as containing asbestos in Building 304	29
Table 4.15. Summary of materials identified as lead based paint (LBP) and lead-containing paint	
(LCP) in Building 304	30
Table 4.16. Summary of materials identified as containing asbestos in Building 308	32
Table 4.17. Summary of materials identified as lead based paint (LBP) and lead-containing paint	
(LCP) in Building 308	33
Table 4.18. Summary of materials identified as containing asbestos in Building 401	34
Table 4.19. Summary of materials identified as lead based paint (LBP) and lead-containing paint	
(LCP) in Building 404	35
Table 4.20. Soil Sampling Program	36
Appendices	
Data Table Results by Building	хА
Asbestos Laboratory Data, Chain of Custodies and Laboratory CertificationsAppendi	хВ
Lead Laboratory Data, Chain of Custodies and Laboratory CertificationsAppendi	хС
PCB Laboratory Data, Chain of Custodies and Laboratory CertificationsAppendix	x D



Soil Laboratory Data, Chain of Custodies and Laboratory Certifications	Appendıx E
Site Sampling Maps (Asbestos, Lead & PCBs)	Appendix F
Site Sampling Maps (Soil)	Appendix G
Inspector Certification Log	Appendix H



1.0 EXECUTIVE SUMMARY

Millennium Consulting Associates (Millennium) performed a campus-wide hazardous materials (hazmat) survey at Sierra Foothill Research Center for the University of California Agriculture & Natural Resources (UC ANR) in accordance with the scope of work determined by UC ANR to include the investigation, assessment and testing of materials in facilities that are known to have asbestos and lead paint, as well as other aged facilities that may have residual hazardous materials. The project is being conducted to determine the existence of Asbestos Containing Materials (ACM) in specified buildings. The lead, polychlorinated biphenyl (PCB) and soil component of the survey are for hazardous communication notification, waste profiling, and disposal purposes for contractors and subcontractors as need for planned future projeccts. Millennium collected soil samples from select areas to survey for petroleum hydrocarbons and/or pesticides. The results of the asbestos, lead, PCBs and soil survey are incorporated into this report, providing a means for the UC ANR to more efficiently plan for repairs and renovation projects.

The following buildings were included in the scope of the hazmat materials survey: 101, 202, 203, 205, 206, 207, 208, 211, 212, 213, 214, 216, 217, 304, 308, 401, and 404.

The following buildings were included in the scope of the soil sampling survey: 205, 214, 217, and 401.

Table 1.1 summarizes the positive survey results for the buildings (>1% ACM and >0.1% ACCM).

Table 1.1. Survey Summary of Building Materials with Asbestos

Building	Summary of Positive Results
101	 Black 12"x12" Vinyl Floor Tile & Black Mastic – Copy Room (CAT I) White 12"x12" Vinyl Floor Tile Sheet & Black Mastic (Sublayer) – Corridor (CAT I) Brown Speckled Vinyl Floor Sheet – Janitors Closet (RACM) Drywall System – Throughout (ACCM)
203	• Drywall System – Throughout (ACCM)
205	 Acoustic "Popcorn" Ceiling Texture – Breakroom (RACM) Drywall System – Throughout (ACCM) Tan 12"x12" Vinyl Floor Tile & Black Mastic – Breakroom & Office (CAT I) Brown Cove Base Mastic & Associated Cove Base – Breakroom (CAT I)
214	Drywall System – Throughout (ACCM)
304	 Drywall System – Throughout (ACCM) White 12"x12" Vinyl Floor Tile Sheet (Under Carpet) – Corridor (ACCM)



Building	Summary of Positive Results
308	Drywall System – Throughout (ACCM)
401	 White Window Caulking – Exterior Windows (CAT II) Black Mastic @ Penetrations – Roof (CAT I) Silver Paint – Roof, Throughout (CAT I)

Note: Please refer to the drawings in Appendix F for the ACM and ACCM homogenous area (HA#) locations.

Table 1.2 summarizes the positive lead survey results for the buildings (>5,000 ppm lead based paint, and \leq 5,000 ppm lead containing paint).

Table 1.2. Survey Summary of Positive Lead Results

Building	Summary of Results
202	 Red paint on Wood – Exterior Primary (LBP) White (on Green) paint on Wood – Exterior Trim (LCP)
203	 Orange paint on Wood – Main Room, Door (LCP) White paint on Wood – Main Room, Wall (LCP) Beige paint on Wood – Restroom (LCP)
204	Red paint on Metal – Metal Pole (LBP)
205	 Beige paint on Metal – Exterior Metal Siding (LBP) White paint on Drywall – Interior Primary (LCP)
213	White paint on Wood – Interior Wood Panel (LBP)
214	Red paint on Metal – Metal Pole (LCP)
304	Brown paint on Wood – Exerior Wood Panel (LBP)
308	Yellow paint on Metal – Exterior Metal Siding (LCP)
404	Red paint on Wood – Exterior Primary (LCP)

Note: Please refer to the drawings in appendix F for the sample locations.



Survey Summary of PCB Results

A total of thirteen (13) suspect PCB samples were collected for analysis from all surveyed structures.

• No PCBs above the regulatory threshold were identified during this survey.

Please refer to the drawings in appendix C for the sample locations.

Survey Summary of Soil Results

Table 3 summarizes the positive survey results for total petroleum hydrocarbons (TPH) as diesel (TPHd) and as motor oil (TPHmo) around selected buildings. Results are compared to relevant San Francisco Bay Regional Water Quality Control Board (SF-RWQCB) Soil Environmental Screening Levels (ESLs). No soil sample exceeds theselected ESLs criteria.

Survey Summary of Pesticide Results

No pesticides or herbicides were identified during this Survey.



2.0 Introduction

Millennium conducted a hazmat survey for the UC ANR from June 28 through July 1, 2021. This survey included sampling of suspect asbestos, lead, and PCB building materials for hazardous communication notification purposes for contractors and subcontractors, as well as a quantification of other regulated materials. The Sierra Foothill Research & Extension Center campus is located at 8279 Scott Forbes Road, Browns Valley, CA 95918. The survey included multiple buildings throughout the campus. The buildings included the scope of the asbestos survey are: 101, 202, 203, 205, 206, 207, 208, 211, 212, 213, 214, 216, 217, 304, 308, 401, and 404. Areas in and around buildings 205, 214, 212, and 401 were included in the scope for soil sampling for TPH and pesticides.

The results of the survey will provide a means for the UC ANR to more efficiently plan for repairs, and renovation projects. The results are intended to be used for renovation scope of work development and complicance determiniations with agencies such as Feather River Air Quality Management District (FRAQMD), Cal/OSHA, DTSC and others.

2.1 SCOPE OF WORK

The scope of work for the project included the submission of two (2) deliverable items. The required submittals and their approval dates included:

- 1. Survey Report
- 2. Sample Location Drawings

The hazmat survey tasks included reviews of historical records and data, site visits, collection of representative samples, assessment of the condition of the materials, and quantification of the asbestos-containing materials throughout the specified buildings. In accordance with the project requirements, samples were not taken if it rendered the material unstable, had the potential to cause leaking or other deterioration of the base material or if the sampling posed a hazard to those working in and around the building. Soil samples were collected exclusively in areas identified by University of California Agriculture and Natural Resources (UCANR) with possible historical TPH or pesticide sources.

The reporting requirements also include sample location maps in pdf format, indexed schedule of samples, and a narrative on the methodology of the survey.

2.2 SAMPLING METHODS, PROCEDURES, AND PERSONNEL

A detailed sampling and analysis plan was prepared for the site survey. The asbestos survey was performed using general procedures and protocols defined in EPA 40 CFR, part 763.86.

The asbestos analyses were performed at an independent 3rd party accredited laboratory using the EPA 600/R-93/116 method. Additional confirmation analyses were performed, when necessary (e.g., point counting). All locations within the scope of work were physically inspected and categorized (i.e., NESHAP categories), homogeneous area-by homogeneous area, to determine the presence of ACM.



Millennium personnel held valid Cal/OSHA licenses for the respective type of work they performed. These asbestos specific licenses included: Certified Asbestos Consultants (CAC) and Certified Site-Surveillance Technicians (CSST). The lead specific certifications include: CDPH Certified Lead Inspector/Assessor, and CDPH Certified Lead Sampling Technician. The field staff and their respective certifications that performed site assessment activities are:

- 1. Cornelius Harris (CSST No. 18-6394)
- 2. Kristy Efe (EPA Asbestos Inspector 48025 IR, CDPH Lead Sampling Technician #LRC-07023)

The field staff was working under the direct supervision of the following senior staff:

- 3. Alain Grissette (CAC No. 07-4300, CDPH Inspector/Assessor No. 18206)
- 4. Jeremy Malson (CDPH Inspector/Assessor #LRC-0581)

Soil sampling was performed under the supervision of a California licensed professional (PG)

2.2.1 Review of Procedures: Asbestos Inspection, Bulk Sampling, and Laboratory Information

The asbestos inspection and bulk sampling procedures were based on the guidelines established by the U.S. EPA in the *Guidance for Controlling Asbestos Containing Materials in Buildings*, Office of Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763.86, Asbestos Hazard Emergency Response Act (AHERA). Field information is organized according to the AHERA concept of Homogeneous Areas (HA). A HA is defined as a suspect material of similar age, appearance, function, and texture. Each material will be grouped together as a specific HA, sampled, and then assessed for disposal and worker protection criteria. The AHERA guidelines represent an industry standard sampling protocol and as such was utilized during the inspection and sampling. For the purposes of inspections, suspect ACM is placed in three (3) material categories: Thermal Systems Insulation (TSI); Surfacing Materials; or Miscellaneous Materials. After the AHERA-related sampling and receipt of results, ACM is further categorized into their respective NESHAP categories for waste management. The NESHAP categories are: Regulated ACM; Category I Non-Friable ACM; or Category II Non-Friable ACM.

The locations within the buildings are physically inspected on a functional space-by-space and homogeneous area-by-homogeneous area basis, to determine the presence of ACM. Core samples of friable and non-friable suspect materials are collected by penetration of the suspect material to its substrate. The bulk samples collected are placed in individual sealed containers and labeled with unique sample identification numbers. Representative samples of each sampling area are then submitted to the laboratory to be analyzed for asbestos content.

The inspection will report the following:

1. Visual determination as to the extent of visible and accessible suspect materials and conditions of the material.



- 2. Results of the collection and analyses of suspect building materials for asbestos content.
- 3. Quantification of the amount of suspect friable and non-friable materials along with their location.
- 4. Identification of all suspect materials sampled on the appropriate building floor plan diagram with the sample number; and
- 5. Preparation of a Chain-of-Custody form that accompanied the samples to the laboratory.

Chain-of-Custody procedures and records provide a means of tracing each sample from the time of collection through the shipment and final analyses. Proper Chain-of-Custody procedures also provide a written record of all persons handling the samples. The information necessary to relate sample locations for reporting purposes is documented with each sample. This information is essential to proper completion of a sample results report and typically includes client and facility information; unique sample identification number; date and time sampled; sampler name and signature; sample location including the room/area; and field sketches of sample locations.

All asbestos, lead and PCB analyses were performed by EMSL Analytical Inc., San Leandro, CA and Cinnaminson, NJ, both are certified by the State of California Environmental Laboratory Accreditation Program (CA ELAP No. 2689 and 1877), the American Industrial Hygiene Association's Laboratory Accreditation Program (AIHA-LAP No. 101650 and 100194) and is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP No. 102104-0 and 101048-0) for bulk asbestos analyses. The laboratory typically retains the samples for sixty (60) days in the event re-analyses of samples are required. All disposal of samples by the laboratory will be compliant with established Federal, state, and local regulations.

2.2.2 Review of Procedures: Lead Inspection and Regulations, Bulk Sampling, and laboratory Information

For this survey, the inspector collected paint-chip samples for analysis. The samples are analyzed by a laboratory recognized under the EPA's National Lead Laboratory Accreditation Program (NLLAP) for analysis of lead in paint and collected in accordance with the HUD guidelines and/or ASTM E1729, Standard Practice for Field Collection of Dried Paint Samples for Subsequent Lead Determination, or equivalent bulk sampling methods. Paint-chip samples contain all layers of paint (not just peeled layers) and includes the bottom layer. Paint from approximately 4-square inches provide enough quantity for laboratory analysis. Smaller surface areas may be used, but only if the laboratory indicates that a smaller sample is acceptable. The lead coating inspection and bulk sampling procedures are based on the guidelines established by the U.S. EPA Housing and Urban Development's (HUD) in its most current version of the Guidelines for the Evaluation and Control of Lead-based Paint in Hazards in Housing.

The lead survey for this project is limited in scope and does not constitute a surface-by-surface investigation as defined in HUDs Guidance document or the CA Department of Public Health's Title 17 Accreditation, Certification, and Work Practices for Lead-Based Paint Hazards §35038. The purpose of this lead inspection is to identify coatings that require lead-safe work practices, handling, and/or disposal during the modernization of the campus. While the HUD Guidelines and Title 17 define "lead-based paint" and provide work practice standards, Cal/OSHA's Lead in Construction Standard 8 CCR 1532.1 regulates any occupational exposure to lead. It is important to understand that Cal/OSHA does not give a regulatory definition of a "lead-containing material." Cal/OSHA and Federal



OSHA are concerned with "an employee occupationally exposed to lead." This is understood to mean material disturbed during construction work containing lead in any amount (i.e., lead-containing paint and lead-based paint) is covered under the lead in construction standard. Additionally, Federal OSHA has determined that the uses of XRF data and/or bulk sampling data (e.g., paint chips) are not acceptable for predicting employee exposures to lead. This fact means that contractors cannot use XRF data, paint chip data, or bulk sample data as a surrogate for employee exposures during construction work (or the bidding process) as defined in 8 CCR 1532.1(a).

Current California and Federal regulations do mandate generators determine if a waste is hazardous or non-hazardous by testing representative samples of the waste. The total lead by Total Threshold Limit Concentration (TTLC), California WET-method Soluble Threshold Limit Concentration (STLC), and Toxicity Characteristic Leaching Procedure (TCLP) analyses should be performed to characterize each waste stream as Federal RCRA hazardous waste, California hazardous waste, or as construction debris.

The waste stream must be handled as RCRA environmentally hazardous waste if TCLP lead levels exceed 5.0 milligrams per liter (mg/l), or as California hazardous waste if TTLC lead exceeds 1,000 milligrams per kilogram (mg/kg), and/or STLC lead exceeds 5.0 mg/l, respectively. By calculation, if a sample analyzed for lead by TTLC is found to contain less than 50 mg/kg, then the waste stream represented by the sample result is non-hazardous by definition (a completely soluble waste at this concentration would produce a TCLP lead concentration of less than 5.0 mg/l). Similarly, total lead less than 50 mg/kg will generally produce an STLC lead concentration of less than 5.0 mg/l.

2.2.3 Review of Procedures: PCB Inspection, Bulk Sampling, and Laboratory Information

In addition to lead paint and asbestos, buildings can contain other regulated materials that are considered hazardous. Polychlorinated Biphenyl's (PCB) were used in a variety of commercial products. These products can be broadly placed into one of three categories: closed applications (e.g., transformers or capacitors); partially closed applications (e.g., hydraulic fluids); and other uses (e.g., adhesives, pesticides, paints, caulks/sealants).

The purpose of this survey was to determine if PCBs are present in caulking and sealants within the buildings in the scope of work. Currently, there are no federal requirements for a building owner to conduct bulk sampling prior to renovations. However, the Toxic Substances Control Act (TSCA) does require materials to be characterized prior to their disposal if PCB wastes are generated. If PCB materials are identified, then, specific actions may be required including classification of PCB materials as either Bulk Product Waste, PCB Remediation Waste, or an Excluded Product. The classification of the material (e.g., bulk product waste for a demolition vs. remediation waste for a renovation) will define the scope of work and whether Federal or state agencies require approval or notification prior to the PCB disturbance activities.

There are no recognized PCB inspector certifications. However, it is reasonable given the scope of work for renovation surveys to include the PCB sampling and analysis of suspect building materials. Similar to the AHERA asbestos sampling methodology, PCB caulking and sealants were sampled based on the homogeneity, of the material as seen during the visual assessment. Additional assessments may be warranted and depend upon the initial sampling analysis. If the PCB-containing materials were installed on a porous system (e.g., concrete), then sampling to determine if PCBs migrated into the concrete will be required for a full and complete characterization.



2.2.4 Review of Procedures: Soil Inspection, Grab Sampling for TPH/pesticides, and Laboratory Information

The soil survey targeted locations with previous or existing above or underground fuel/waste oil storage containers or tanks, truck and machinery parking garages, pesticide or chemical facility storage and mixing facilities. UCANR identified these historical conditions and selected the areas to include in the soil survey.

Millennium conducted a walk through the site to inspect the potentially impacted soil in the buildings and vicinity. Representative sampling locations were selected in areas with visually identifiable impacts, or using a grid pattern where impacts were not observed. Grab soil samples were collected from a depth of 0 to 3" below ground surface using hand tools to break up the surface soil and place in individual laboratory provided jars. The jars were labeled, placed on ice in an insulated cooler, and transported under chain of custody protocol to Pace National Laboratory a state-certified analytical laboratory.

All soil analyses were performed by Pace Analytical, Mount Juliet, Tennessee, a laboratory which is certified by the State of California Environmental Laboratory Accreditation Program (CA ELAP No. 2932), and the American Industrial Hygiene Association's Laboratory Accreditation Program (EMLAP No. 101789). All disposal of samples by the laboratory will be compliant with established Federal, state, and local regulations.



3.0 SITE HISTORY AND BUILDING SUMMARY

The Sierra Foothill Research and Extension Center (SFREC) was established in the 1960's to provide land, labor and infrastructure to support research on critical rangeland issues and provides key site resource to support education and outreach efforts that explore these themes. The center was formed following acquisition of several large parcels in the 1960's and has supported research, education and outreach in the sierra foothills for well over half a century. Located on the Yuba River and spanning river, grassland, oak woodland and riparian habitat types the center supports programs on beef cattle production, nutrition and health, rangeland water quality management, oak woodland restoration, native plant conservation and invasive plant management as well as monitoring and management of sensitive fish and wildlife species. Currently there are a total of 24 free standing buildings used as offices, greenhouses, single-family residences, laboratories, warehouses, storage facilities, sheds and barns.

While 100% design drawings have not been reviewed by Millennium, the buildings and the anticipated work for the buildings include:

Building Name	Proposed Work
Bldg. 101	Modernization
Bldg. 202	Modernization
Bldg. 203	Modernization
Bldg. 204	Modernization
Bldg. 205	Modernization
Bldg. 206	Modernization
Bldg. 207	Modernization
Bldg. 208	Modernization
Bldg. 211	Modernization
Bldg. 212	Modernization
Bldg. 213	Modernization
Bldg. 214	Modernization
Bldg. 215	Modernization
Bldg. 216	Modernization
Bldg. 217	Modernization
Bldg. 304	Modernization
Bldg. 305	Modernization
Bldg. 306	Modernization
Bldg. 307	Modernization
Bldg. 308	Modernization
Bldg. 401	Modernization
Bldg. 404	Modernization
Bldg. 406	Modernization



4.0 ASBESTOS, LEAD, AND PCB SURVEY RESULTS

The objective of this campus-wide hazardous materials survey is to (1) Identify, document and sample suspect ACM, lead, and PCBs; and (2) Report, assess, and quantify all ACM, lead and PCBs discovered during the survey.

DATA RESULTS

A total of one hundred eighty-three (183) bulk samples were collected with three hundred one (301) individual layers using polarized light microscopy (PLM), with an additional fifty-one (51) 400-point count reanalyses conducted on postitive samples with trace concentrations of asbestos.

A total of twenty-three (23) suspect lead samples were collected and analyzed using Flame AA method.

A total of thirteen (13) suspect PCB samples were collected and analyzed using EPA Method 3540C/8082.

The following sections lists the positive building materials identified, sampled, and analyzed during this investigation. The EPA Category and Quantification of each ACM is given in the first table for each building. The lead results are given in the second table for each building, and the PCB results are given in the third table for each building.

Please refer to the laboratory data in Appendix A and B for the complete analytical details. Also refer to Section 5.0 for recommendations. Every reasonable effort was made to access all areas within the scope of work.





Building 101 is referenced as the office & laboratory building and is located in the center of the Sierra Foothill Research & Extension Center (SFREC) campus. It is an office building that occupies approximately 2,168 gross square feet. The building consists of a laboratory space, break room, storage and mostly office spaces for administrative activities. The flooring consists of a mix of vinyl flooring and laminate flooring throughout. The walls consist of drywall systems within the building along with acoustical ceiling tiles. The exterior walls are comprised of metal siding on a cement foundation, and a pitched metal roof. There is also a propane tank nearby on a cement pad.

According to the SFREC Asbestos Inventory updated in January 2020 and confirmed by the onsite representative, Building 101 has ACM flooring residing under newly installed laminate flooring, and should be considered present throughout the structure. The materials sampled in this building include:

- Drywall System
- Various 4" Cove Base & Mastic
- White 12" x 12" Vinyl Floor Tile & Mastic
- Brown Vinyl Floor Sheet
- Carpet Mastic

- Roofing Shingles & Felts
- Roofing Penetration Mastic
- Acoustic Ceiling Tiles (1" x 1" w/ wormholes)
- Propane Cement Pad
- White Paint

Table 4.1. Summary of materials identified as containing asbestos in Building 101

Sample No.	Lab Report No.	Sample Location	Material Description	Asbestos Content	EPA Category	OSHA Class	Estimated Quantity
SF101-A1 & A2	092110039	Through- out	Drywall System (Joint Compound)	0.25-0.50%*	N/A (ACCM)	Unclassified	NQ (Throughout)
SF101- A15/A16 & A21/A22	092110039	Copy Room & Corridor	White 12"x12" Vinyl Floor Tile & Black Mastic	Tile: <1% Mastic: 2-3%	I	II	~2,000 sq. ft.
SF101- A23/A24	092110039	Janitors Closet	Brown Speckled Vinyl Floor Sheet	20%	RACM	II	~20 sq. ft.

[•] Point count analysis was performed on these samples. The point count analysis can be referenced in appendix B.



No LCPs/LBPs were identified above the regulatory threshold from the building 101 during this survey.

No PCBs were identified above the regulatory threshold from the building 101 during this survey.

No ORMs were observed within building 101. According to documentation provided by the site representative, many buildings including building 101 had their lights replaced with non-PCB lights and ballasts in 2006 as part of an Energy Fitness Program. However, the documentation stating that "old ballasts were disconnected and abandoned in place by contractor" during the upgrades; these old ballasts should be assumed to still reside within building 101.





Building 202 is referenced as the cow barn and is located in the center of the Sierra Foothills Research & Extension Center campus, and totals 1,277 square feet. The structure has concrete walking areas within the greenhouse while the potting shed consists of metal siding and a pitched metal roof. The materials sampled in this building include:

• Cement Pad

Various Paints

No asbestos was identified in the materials sampled in building 202 during this survey.

Table 4.2. Summary of materials identified as lead based paint (LBP) and lead containing paint (LCP) at Building 202

Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
SF202-Pb1	Barn Trim	Red	Wood	15,000	LBP
SF202-Pb2	Barn Trim	White on Green	Wood	1,400	LCP

No PCBs were identified in the materials sampled in building 202 during this survey.

No ORMs were observed within building 202.





Building 203 is referenced as the feed warehouse, and totals approximately 2,320 gross square feet. The building materials consist of metal roofing and siding, with drywall system and cement floor. The materials sampled in this building include:

- Cement Pads
- Drywall System

- Textured Surfacing
- Various Paints

Table 4.3. Summary of materials identified as containing asbestos in Building 203

Sample	Lab Report	Sample	Material	Asbestos	EPA	OSHA	Estimated
No.	No.	Location	Description	Content	Category	Class	Quantity
SF203-A1, A2 & A3	092110039	Through- out	Drywall System (Joint Compound & Skim Coat)	0.25-0.50%*	N/A (ACCM)	Unclassified	NQ (Throughout)
SF203-A4, A5 & A6	092110039	Through- out	Textured Surfacing	0.25-0.50%*	N/A (ACCM)	Unclassified	NQ (Throughout)

[•] Point count analysis was performed on these samples. The point count analysis can be referenced in appendix B.

Table 4.4. Summary of materials identified as lead based paint (LBP) and lead containing paint (LCP) in Building 203

Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
SF203-Pb1	Door Trim	Orange	Wood	1,400	LCP
SF203-Pb2	Wall, Primary	White	Wood	1,300	LCP
SF203-Pb3	Restroom Wall	Beige	Wood	920	LCP

No PCBs were identified in the materials sampled in building 203 during this survey.

ORMs observed within building 203 were limited to ten (10) fluorescent light tubes and five (5) light ballasts.



According to documentation provided by the site representative, many buildings including building 203 had their lights replaced with non-PCB lights and ballasts in 2006 as part of an Energy Fitness Program. However, the documentation states that "old ballasts were disconnected and abandoned in place by contractor" during the upgrades; these old ballasts should be assumed to still reside within building 203.







Building 204 is referenced as the horse barn and totals 2,115 square feet. The building consists of the metal siding and a pitched metal roof. The materials sampled in this building include:

• Cement Pad

Various Paints

No asbestos was identified in the materials sampled in building 204 during this survey.

Table 4.5. Summary of materials identified as lead based paint (LBP) and lead containing paint (LCP) at Building 204

Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
SF204-Pb1	Metal Pole	Red	Metal	14,000	LBP

No PCBs were identified in the materials sampled in building 204 during this survey.

No ORMs were observed within building 204. However, according to documentation provided by the site representative, many buildings including building 204 had their lights replaced with non-PCB lights and ballasts in 2006 as part of an Energy Fitness Program. However, the site representative did provide a document detailing that "old ballasts were disconnected and abandoned in place by contractor" during the upgrades; these old ballasts should be assumed to still reside within building 204.





Building 205 is referenced as the repair shop and machinery storage and is located in the center of the Sierra Foothill Research & Extension Center campus and totals 6,400 square feet. The building consists of the metal roof and siding, interior wood construction and a cement pad.

According to the SFREC Asbestos Inventory updated in January 2020, Building 205 has an asbestos-containing clutch plate/muffle oven located in the upper storage. This oven was not observed by the inspectors, but may still be present onsite. The materials sampled in this building include:

- Drywall System
- Acoustic "Popcorn" Ceiling Texture
- Tan 12" x 12" Vinyl Floor Tile & Mastic
- Brown 4" Cove Base & Mastic
- Fireproofing
- Cement Pad
- Various Paints



Table 4.6. Summary of materials identified as containing asbestos in Building 205

Sample No.	Lab Report No.	Sample Location	Material Description	Asbestos Content	EPA Category	OSHA Class	Estimated Quantity
SF205-A1 thru A5	092110039	Through- out	Drywall System (Joint Compound & Skim Coat)	<0.25- 0.50%*	N/A (ACCM)	Unclassified	NQ (Throughout)
SF205-A6 & A7	092110039	Break Room	Acoustic "Popcorn" Ceiling Texture	4%	RACM	I	~1,000 sq. ft
SF205-A8 & A9	092110039	Break Room & Office	Tan 12"x12" Vinyl Floor Tile & Black Mastic	Tile: 2% Mastic: 3-5%	I	II	~1,800 sq. ft.
SF205- A10 & A11	092110039	Break Room	Brown Cove Base Mastic & Associated Vinyl Cove Base	2%	I	II	~200 sq. ft.
Not Sampled	SFREC Asbestos Inventory 1/2020	Upper Storage	Clutch Plate/Muffle Oven	N/A	I	II	NQ

[•] Point count analysis was performed on these samples. The point count analysis can be referenced in appendix B.

Table 4.7. Summary of materials identified as lead based paint (LBP) and lead-containing paint (LCP) in Building 205

Sample No.	Sample Location	Coating Color			LCP/LBP
SF205-Pb1	Exterior Primary	Beige	Metal	29,000	LBP
SF205-Pb3	Interior Primary	White	Drywall	320	LCP

No PCBs were identified in the materials sampled in building 205 during this survey.

ORMs observed within building 205 were limited to one hundred twenty (120) fluorescent light tubes and sixty (60) light ballasts. However, according to documentation provided by the site representative, many buildings including building 205 had their lights replaced with non-PCB lights and ballasts in 2006 as part of an Energy Fitness Program. However, the site representative did provide a document detailing that "old ballasts were disconnected and abandoned in place by contractor" during the upgrades; these old ballasts should be assumed to still reside within building 205.





Building 206 is referenced as a storage facility and totals 3,947 square feet. The building consists of metal siding with a metal roof and a cement pad.

According to the SFREC Asbestos Inventory updated in January 2020, Building 206 has an asbestos-containing fume hood oven located in the lab storage, and was observed by the inspectors to be intact with no damage. The materials sampled in this building include:

- Drywall System
- Ceiling Texture
- Beige 12" x 12" Vinyl Floor Tile & Mastic
- Cement Pad
- Various Paints

Table 4.8. Summary of materials identified as containing asbestos in Building 206

Sample No.	Lab Report No.	Sample Location	Material Description	Asbestos Content	EPA Category	OSHA Class	Estimated Quantity
SF206-A1 thru A5	092110039	Through- out	Drywall System (Joint Compound & Skim Coat)	<0.25- 0.50%*	N/A (ACCM)	Unclassified	NQ (Throughout)
Not Sampled	SFREC Asbestos Inventory 1/2020	Laboratoy	Fume Hood	N/A	II	II	~12 sq. ft.

No LCPs/LBPs were identified in the materials sampled from building 206 during this survey.

No PCBs were identified in the materials sampled from building 206 during this survey.



ORMs observed within building 206 were limited to fourteen (14) fluorescent light tubes and seven (7) light ballasts.

However, according to documentation provided by the site representative, many buildings including building 206 had their lights replaced with non-PCB lights and ballasts in 2006 as part of an Energy Fitness Program. However, the document states that "old ballasts were disconnected and abandoned in place by contractor" during the upgrades; these old ballasts should be assumed to still reside within building 206. The document also states for building 206 that "Large room all existing lighting fixtures removed 2019 per contract".





Building 207 is referenced as the scale shed and totals approximately 840 square feet. It is a small open-air structure and consists of wood beams and a metal roof, with concrete flooring. There is also a CMU brick and mortar wall that runs between buildings 207 and 216.

The materials sampled in this building include:

Cement Pads

• CMU Brick & Mortar

No asbestos was identified in the materials sampled in building 207 during this survey.

No LCPs/LBPs were identified in the materials sampled in building 207 during this survey.

No PCBs were identified in the materials sampled from Building 207 during this survey.

No ORMs were observed within building 207 during this survey.





Building 208 is referenced as the bull feeder and totals approximately 320 square feet. The building consists of wood beams and metal roof. The materials sampled in this building include:

• Cement Footing

No asbestos was identified in the materials sampled in building 208 during this survey.

No LCPs/LBPs were identified in the materials sampled in building 208 during this survey.

No PCBs were identified in the materials sampled from Building 208 during this survey.

No ORMs were observed within building 208 during this survey.





Building 211 is referenced as the cold storage facility and totals approximately 1,200 gross square feet. The building consists of wood beams and metal siding, with a pitched roof with a mix of metal and plastic roof panels.

According to the SFREC Asbestos Inventory updated in January 2020, Building 211 has asbestos-containing cement "transite" wall panels located in the screened area, and was observed by the inspectors to be intact with no damage. The materials sampled in this building include:

- Cement Vault Cover
- Cement Pad

Table 4.9. Summary of materials identified as containing asbestos in Building 211

Sample	Lab Report	Sample	Material	Asbestos	EPA	OSHA	Estimated Quantity
No.	No.	Location	Description	Content	Category	Class	
Not Sampled	SFREC Asbestos Inventory 1/2020	Screened Area	Cement "Transite" Panels	N/A	II	II	~120 sq. ft.

No LCPs/LBPs identified in the materials sampled in building 211 during this survey.

No PCBs identified in the materials sampled in building 211 during this survey.

No ORMs were observed within building 211 during this survey.





Building 212 is referenced as equipment shed and totals approximately 4,800 gross square feet. The building consists of a free standing metal structure with metal roofing. The materials sampled in this building include:

Cement Pad

No asbestos was identified in the materials sampled in building 212 during this survey.

No LCPs/LBPs identified in the materials sampled in building 212 during this survey.

No PCBs were identified in the materials sampled in building 212 during this survey.

No ORMs were observed within building 212 during this survey.





Building 213 is referenced as the pumphouse @ Forbes Headquarters and totals approximately 48 gross square feet. The building consists of a free standing wood structure with metal roofing.

According to the SFREC Asbestos Inventory updated in January 2020, Building 213 has an asbestos-containing cement "transite" pipe located inside the buildling, and was observed by the inspectors to be intact with no damage. The materials sampled in this building include:

Cement Pad

Various Paints

Table 4.10. Summary of materials identified as containing asbestos in Building 213

Sample No.	Lab Report No.	Sample Location	Material Description	Asbestos Content	EPA Category	OSHA Class	Estimated Quantity
Not Sampled	SFREC Asbestos Inventory 1/2020	Interior	Cement "Transite" Pipe	N/A	II	II	~10 sq. ft.

Table 4.11. Summary of materials identified as lead based paint (LBP) and lead-containing paint (LCP) in Building 213

Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
SF213-Pb1	Exterior Primary	White	Wood	13,000	LBP

No PCBs were identified in the materials sampled in building 213 during this survey.

No ORMs were observed within building 213 during this survey.





Building 214 is referenced as the pesticide facility and totals approximately 480 gross square feet. The building consists of metal structure with metal roofing. The materials sampled in this building include:

- Drywall System
- Pipe Wrap & Insulation

- White Door Caulking
- Cement Pad

Table 4.12. Summary of materials identified as containing asbestos in Building 214

Sample No.	Lab Report No.	Sample Location	Material Description	Asbestos Content	EPA Category	OSHA Class	Estimated Quantity
SF214-A1 thru A4	092110039	Through- out	Drywall System (Joint Compound & Skim Coat)	0.50%*	N/A (ACCM)	Unclassified	NQ (Throughout)

Table 4.13. Summary of materials identified as lead based paint (LBP) and lead-containing paint (LCP) in Building 214

Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
SF214-Pb3	Exterior Metal Pole	Red	Metal	620	LCP

No PCBs were identified in the materials sampled in building 214 during this survey.

No ORMs were observed within building 214 during this survey. However, according to documentation provided by the site representative, many buildings including building 214 had their lights replaced with non-PCB lights and ballasts in 2006 as part of an Energy Fitness Program. However, the document states that "old ballasts were disconnected and abandoned in place by contractor" during the upgrades; these old ballasts should be assumed to still reside within building 214.





Building 216 is referenced as the bulk feed storage and totals approximately 5,754 gross square feet. The building consists of an open-air metal structure with wood beams and metal roofing. The materials sampled in this building include:

• Exterior CMU Brick & Mortar

Cement Pad

• Pipe Wrap & Insulation

No asbestos was identified in the materials sampled in building 216 during this survey.

No LCPs/LBPs were identified in the materials sampled in building 216 during this survey.

No PCBs were identified in the materials sampled in building 216 during this survey.

ORMs observed within building 216 were limited to twenty-four (24) fluorescent light tubes and twelve (12) light ballasts. However, according to documentation provided by the site representative, many buildings including building 216 had their lights replaced with non-PCB lights and ballasts in 2006 as part of an Energy Fitness Program. However, the document states that "old ballasts were disconnected and abandoned in place by contractor" during the upgrades; these old ballasts should be assumed to still reside within building 216.





Building 217 is referenced as the calving facility and is the replacement for building 405, artificial insemination building. The building consists of a metal structure with wood beams and metal roofing. The materials sampled in this building include:

• Cement Footing

• Cement Pad

No asbestos was identified in the materials sampled in building 217 during this survey.

No LCPs/LBPs were identified in the materials sampled in building 217 during this survey.

No PCBs were identified in the materials sampled in building 217 during this survey.

ORMs observed within building 217 were limited to twenty-four (24) fluorescent light tubes and twelve (12) light ballasts.





Building 304 is a single-family residence located on the southeast side of the Sierra Foothill Research & Extension Center campus, totaling 1,433 square feet. There are drywall systems within the building, along with multiple vinyl flooring systems. The exterior walls are comprised of wood panels with a shingle and felt roof.

According to the SFREC Asbestos Inventory updated in January 2020 and confirmed by the onsite representative, Building 304 has ACM flooring residing under newly installed laminate flooring, and should be considered present throughout the structure. The materials sampled in this building include:

- Drywall System
- Various Vinyl Floor Sheet
- White 12" x 12" Vinyl Floor Tile & Mastic
- Cement Pads

- Various Caulking
- Various Grout
- Black Roof Penetration Mastic
- Various Paints

Table 4.14. Summary of materials identified as containing asbestos in Building 304

Sample No.	Lab Report No.	Sample Location	Material Description	Asbestos Content	EPA Category	OSHA Class	Estimated Quantity
SF304-A1, A2, A3 & A4	092110039	Throughout	Drywall System (Joint Compound & Skim Coat)	<0.25- 0.75%*	N/A (ACCM)	Unclassified	NQ (Throughout)
SF304-A5 & A6	092110039	Bedrooms (Under Carpet)	White 12"x12" Vinyl Floor Tile	<1%	N/A (ACCM)	II	NQ
Not Sampled	SFREC Asbestos Inventory 1/2020	Interior	ACM Floor Tile	N/A	I	II	Assumed Throughout

[•] Point count analysis was performed on these samples. The point count analysis can be referenced in appendix B.



Table 4.15. Summary of materials identified as lead based paint (LBP) and lead-containing paint (LCP) in Building 304

Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
SF304-Pb1	Exterior Primary	Brown	Wood	8,500	LBP

No PCBs were identified in the materials sampled in building 304 during this survey.

No ORMs were observed within building 304 during this survey.



Buildings 305, 306 & 307

Buildings 305, 306 & 307 are all single-family residences located on the southeast side of the Sierra Foothill Research & Extension Center campus, each totaling 1,433 square feet. Site access to these properties was not approved and the buildings were not surveyed. The site representative stated these buildings have the same footprint and construction date of building 304; however, sampling of suspect materials within buildings 305, 306 and 307 should be conducted prior to any renovation/demolition activities that may disturb them.

According to the SFREC Asbestos Inventory updated in January 2020 and confirmed by the onsite representative, buildings 305, 306 and 307 have ACM flooring residing under newly installed laminate flooring, and should be considered present throughout each structure.



Building 308



Building 308 is a residential structure referenced as the dormitory located on the east side of the Sierra Foothill Research & Extension Center campus, totaling 1,536 square feet. There are drywall systems within the building, along with multiple vinyl flooring systems. The exterior walls are comprised of wood panels with a shingle and felt roof.

According to the SFREC Asbestos Inventory updated in January 2020 and confirmed by the onsite representative, Building 308 has ACM flooring residing under newly installed laminate and sheet flooring, and should be considered present throughout the structure. The materials sampled in this building include:

- Drywall System
- Various Vinyl Floor Sheet
- Tan 12" x 12" Vinyl Floor Tile & Mastic
- Cement Pad
- Brown 4" Cove Base & Mastic

- CMU Brick & Mortar
- Roofing Shingles & Felt
- Black Roof Penetration Mastic
- White Window Caulking
- Various Paints

Table 4.16. Summary of materials identified as containing asbestos in Building 308

Sample No.	Lab Report No.	Sample Location	Material Description	Asbestos Content	EPA Category	OSHA Class	Estimated Quantity
SF308-A1, A2, A3 & A4	1 HUZIIIII I I I hequadout I		Drywall System (Joint Compound & Skim Coat)	<0.25- 0.75%*	N/A (ACCM)	II	NQ (Throughout)
Not Sampled	SFREC Asbestos Inventory 1/2020	Interior	ACM Floor Tile	N/A	I	II	Assumed Throughout

[•] Point count analysis was performed on these samples. The point count analysis can be referenced in appendix B.



Table 4.17. Summary of materials identified as lead based paint (LBP) and lead-containing paint (LCP) in Building 308

Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
SF308-Pb1	Exterior Primary	Yellow	Metal	120	LCP

No PCBs were identified in the materials sampled in building 308 during this survey.

ORMs observed within building 308 were limited to ten (10) fluorescent light tubes and five (5) light ballasts.



Building 401



Building 401 is referenced as the paint storage shed and is a portable metal locker located in the center of the Sierra Foothill Research & Extension Center campus, totaling 128 square feet. The materials sampled in this building include:

- Black Roof Mastic
- White Window Caulking
- Silver Paint

Table 4.18. Summary of materials identified as containing asbestos in Building 401

Sample No.	Lab Report No.	Sample Location	Material Description	Asbestos Content	EPA Category	OSHA Class	Estimated Quantity
SF401-A1 & A2	092110039	Window	White Window Caulking	3%	II	II	~5 sq. ft.
SF401-A3 & A4	092110039	Roof	Black Mastic	3-4%	I	II	~12 sq. ft.
SF401-A3	092110039	Exterior	Silver Paint	2%	I	II	~350 sq. ft.

No LCPs/LBPs were identified in the materials sampled in building 401 during this survey.

No PCBs were identified in the materials sampled in building 401 during this survey.

No ORMs were observed within building 401 during this survey.



Building 404



Building 404 is referenced as the group scale shed and is an open-air steel and metal-siding structure located on the west side of the Sierra Foothill Research & Extension Center campus, totaling 315 square feet. The materials sampled in this building include:

- Cement Pad
- Propane Cement Pad
- Red Paint

No asbestos was identified in the materials sampled in building 404 during this survey.

Table 4.19. Summary of materials identified as lead based paint (LBP) and lead-containing paint (LCP) in Building 404

Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
SF404-Pb1	Exterior Wood Panels	Red	Wood	1,400	LCP

No PCBs were identified in the materials sampled in building 404 during this survey.

No ORMs were observed within building 404 during this survey.



4.1 TPH and Pestcide Soil Survey Results

The objective of this soil survey is to (1) Identify, document and sample suspect TPH and pesticide impacts in soil; and (2) Report, assess, and quantify TPH and pesticides discovered during the survey.

Data Results

On June 30, 2021, a total of four (4) grab samples were collected from surface soil around the chosen buildings. Select samples were analyzed by the analytical laboratory to provide representative data from a larger area. A total of four (4) samples were analyzed for TPH quantified as gasoline (TPHg), TPHd, and TPHmo by EPA Method 8015M, pesticides by EPA Methods 8081, 8141, and 8151. Details of the soil sampling program are shown in Table 4.20 below.

Table 4.20. Soil Sampling Program

Location	Soil Sample ID (0-3 inches)	Depth	Composite /Grab	Analyses and EPA Method
214 Pesticide Facility, North	S-01	0-3	X	TDII. 1 (0015)
212 Equipment Shed, North	S-02	0-3	X	TPHg,d,mo (8015) Organochlorine Pesticides
401 Paint Storage, North	S-03	0-3	X	(8081), Organophosphorus Pesticides (8141), and Herbicides (8151)
205 Repair Shop/Storage, South	S-04	0-3	X	Tierbieides (0131)

None of the soil samples exceeded ESLs criteria. The results for all soil analyses are presented in Appendix E and compared to the latest relevant SF-RWQCB ESLs for the protection of human health for various land use scenarios:

- A. California SF-RWQCB Direct Exposure Human Health Risk; Construction Worker: Any Land Use/Any Depth Soil Exposure; Final ESL Jan 2019
- B. California SF-RWQCB Direct Exposure Human Health Risk; Commercial/Industrial: Shallow Soil Exposure: Final ESL Jan 2019
- C. California SF-RWQCB Direct Exposure Human Health Risk; Residential: Shallow Soil Exposure: Final ESL Jan 2019
- D. California SF-RWQCB Leaching to Groundwater Levels, Drinking Water ESL Jan 2019
- E. California SF-RWQCB Gross Contamination Levels ESL Jan 2019

The gross contamination soil ESLs are based on the theoretical saturation level of a chemical in soil. Therefore, above these concentrations, contaminants are present as non-aqueous phase liquid (NAPL) or pure phase solids (for liquids and solids respectively) which are generally more likely to migrate.

Location Summaries

The following sections list the positive soil results from the areas identified, sampled, and analyzed during this investigation, if there is any. Section 5.0 presents recommendations based on the data obtained during this survey. Laboratory analytical data are presented in Appendix E. Every reasonable effort was made to access all areas within the scope of work.



Building 205

No TPHgdmo, pesticides or herbicides were identified in the soil sampled around building 205 during this survey.

Building 214

No TPHgdmo, pesticides or herbicides were identified in the soil sampled around building 214 during this survey.

Building 212

No TPHgdmo, pesticides or herbicides were identified in the soil sampled around building 212 during this survey.

Building 401

No TPHgdmo, pesticides or herbicides were identified in the soil sampled around building 401 during this survey.

4.1.1 Soil Sample Results Summary

Survey Summary of Petroleum Results

No petroleum hydrocarbon compunds were identified during this Survey.

Survey Summary of Pesticide Results

No pesticides or herbicides were identified during this Survey.



5.0 RECOMMENDATIONS

Based on the findings and conclusions from the survey, Millennium presents the following recommendations:

5.1 Asbestos

- 1. It will be necessary to comply with all applicable provisions of local, EPA, OSHA, Cal/OSHA, and Feather River Air Quality Management District (FRAQMD) regulations during any removal or repair activities that may disturb the asbestos-containing materials and/or asbestos-containing construction materials.
- All Regulated Asbestos-containing Materials (RACM) that will be affected by the planned renovation activities shall be removed prior to renovation activities in compliance with the asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP), and Cal-OSHA Asbestos in the Construction Industry Standard, 8 CCR 1529.
- 3. All Category I and Category II non-friable asbestos-containing materials that will be affected by the planned renovation activities and that may become friable as a result of such activities shall be removed prior to or renovation of the subject buildings in compliance with the asbestos National Emissions Standards for Hazardous Air Pollutants (NESHAP), and Cal-OSHA Asbestos in the Construction Industry Standard, 8 CCR 1529.
- 4. Materials containing any detectable concentration of asbestos that will be affected by the planned renovation activities shall be handled in accordance with the Cal-OSHA Asbestos in the Construction Industry Standard, 8 CCR 1529.
- 5. All assumed asbestos-containing materials referenced herein, and homogeneous materials described above as "asbestos-containing materials" discovered in other areas of the building(s) not listed above that will be affected by the planned renovation activities shall be treated as asbestos-containing materials and handled accordingly, or shall be sampled and analyzed for asbestos prior to renovation activities.

5.2 Lead Containing Materials – Safe Work Practices

Due to the presence of lead containing building materials, compliance with Cal-OSHA 8 CCR 1532.1, Lead in the Construction Industry Standard will be required for the general renovation contractor. Workers shall have, at a minimum, lead awareness training for any work that disturbs lead containing.

materials. Additionally, should any trigger task activity listed in section (d)(2)(A-D) of 8 CCR 1532.1, including, but not limited to, manual renovation, manual scraping, manual sanding, power tool cleaning with or without local exhaust ventilation, abrasive blasting, welding, and cutting where lead-



containing paints or components are present be performed, the contractor shall comply with the following requirements:

1. Provide a negative exposure assessment performed within the past 12 months for each anticipated trigger task.

OR

2. Provide workers with interim protections including, but not limited to, provision of a written lead compliance plan, medical surveillance, provision of PPE, a respiratory protection program, provision of hygiene facilities, and performance of exposure assessments in compliance with the Lead in Construction Standard.

Typical renovation tasks, such as manual renovation, manual paint scraping, or manual sanding of building components containing lead that might be required for this project fall under Trigger Task 1. Because performance of these tasks requires either a negative exposure assessment or performance of the above listed interim protections, it may be difficult for a general contractor to comply with the Cal-OSHA requirements. In that case, the alternative of using an experienced lead remediation contractor to perform limited lead related renovation prior to general renovation may be a good option.

5.3 Lead Containing Materials - Lead Waste Profiling

Lead may be present in building components above regulatory criteria for hazardous waste. Millennium recommends additional waste characterization be performed on any materials found to contain lead. Please note that results, except where noted otherwise, represent paint or single layer samples only. Waste characterization sampling should consist of full depth samples that represent the entire waste stream including substrate and any other inseparable or commingled building components.

Prior to developing a waste characterization plan, we recommended that the contractor contact their preferred landfill and request their acceptance criteria for lead wastes. Based on the landfill acceptance criteria a plan for waste characterization sampling should be developed. Depending on landfill criteria, it may also be possible to composite whole building debris, or groups of building components into single waste streams for waste profiling and disposal. This may result in reduced waste profiling, waste handling, and disposal costs should the waste profile be non-hazardous. However, there is a risk that the entire commingled waste stream could be profiled as hazardous if a very high lead component is present in the composite.

Building components <u>intended for re-use or recycling</u>, such as steel, concrete, etc. do not necessarily require additional waste profiling, however, any disturbance of lead containing materials does require compliance with the above referenced Cal-OSHA Lead Standard. Additionally, depending on final use of the subject material (e.g., crushed concrete re-used as aggregate base), additional profiling may be necessary for compliance with site specific use requirements.



5.4 PCBs in Bulk Building Materials

No further action is recommended at this time.

5.5 Other Regulated Materials (ORMs)

Other regulated materials (ORMs) that will be affected by the planned demolition and/or renovation activities shall be removed prior to the start of demolition and/or renovation activities. Removal shall be performed by appropriately trained and licensed contractors and subject materials shall be recycled or disposed of at appropriately licensed facilities.

The hazardous material concern with regard to fluorescent lighting fixtures is the potential presence of PCB containing ballasts incorporated into the fixtures. Typically, the ballast labeling inside the fixtures reads either "PCB-containing", "No PCBs", or no label indication at all. Only those ballasts clearly indicating "No PCBs" can be disposed of as a construction waste. Therefore, for purposes of this preliminary and non-intrusive survey, all ballasts will be assumed as having PCB's.

In general, there are two types of light fixture waste streams resulting from building renovations and demolitions¹:

- Waste Stream 1 Non-PCB Ballasts: Non-PCB ballasts manufactured between 1979 and 1985 may contain di-2-ethylhexylphthalate (DEHP). As a waste generator, the building owner must determine whether the non-PCB ballast wastes are hazardous or not, and dispose of them properly. DTSC recommends these wastes be shipped to a light ballast recycling facility.
- Waste Stream 2 Mercury-Containing Tubes: If tested, fluorescent tubes will likely exceed
 hazardous waste concentrations for mercury; these tests are also very costly (approximately
 \$100 per tube). Therefore, DTSC recommends that all fluorescent tubes that are not tested
 should be assumed to contain mercury and be handled as hazardous waste. These items are
 typically removed and segregated for recycling.

5.6 Hazardous Materials Specifications and Drawings

Hazardous materials removal specifications shall be prepared in order to ensure a more accurate bid process and to assist the contractor's compliance with applicable laws and regulations. Millennium is preparing the Hazardous Materials Specifications and Drawings for incorporation into the contract documents. These specifications and drawings will be written by Millennium's Certified Asbestos Consultants and Lead Project Monitors for compliance with applicable laws and regulations.

5.7 TPH and Pesticide in Soil

No further action is recommended at this time.

¹ Information from DTSC website.



6.0 LIMITING CONDITIONS

Millennium Consulting conducted the survey in June and July of 2021, in accordance with industry standards in existence at the time of the project. The conclusions and recommendations presented in this report are based on the applicable standards of our profession at the time this report was prepared. Copies of this report are furnished to provide factual data that were gathered and summarized in the report.

The analysis and recommendations submitted in this report are based in part on the reliance of data obtained from other entities. However, the nature and extent of variations between the sampling locations may not become evident until the planned asbestos survey commence. This report has been prepared for the exclusive use of the Client for specific application to the survey performed on the property. This report may not be copied (except by our client) without the written permission of the Client. No other representation, expressed or implied, is made.

Millennium appreciated having the opportunity to provide you with our asbestos-related services. Should you have any questions regarding this report or require assistance in the design, specification, management, and/or clearance testing for any future repairs and renovation projects, please do not hesitate to contact us.

hesitate to contact us.	_		
Respectfully Submitted,			
Prepared By:			
Alain Grissette Senior Project Manager			
Reviewed By:			
Karina Gillette, PG Senior Project Geologist			
Reviewed By:			



Jeremy Malson, CIH Certified Industrial Hygienist, CAC, CDPH ABIH Certification #: 9823 Chief Operating Officer



APPENDIX A

Data Table Results by Building

					Color	
Sample ID	Laboratory Report No.	Building	Sample Location	Material, Size, Composition	(Component1/Component2/	Asbestos Content / Type
SF101-A1-1-Drywall	92110039	101	CONFERENCE ROOM	SKIM COAT/ DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
SF101-A1-1-Joint Compound	92110039	101	CONFERENCE ROOM	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.25
SF101-A1-1-Skim Coat	92110039	101	CONFERENCE ROOM	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.50
SF101-A2-1-Drywall	92110039	101	OFFICE 2	SKIM COAT/ DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
SF101-A2-1-Joint Compound SF101-A2-1-Skim Coat	92110039	101	OFFICE 2	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.25
SF101-A2-1-Skim Coat SF101-A3-1-Drywall	92110039 92110039	101	OFFICE 2 OFFICE 1	SKIM COAT/ DRYWALL/JOINT COMPOUND SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE BROWN/WHITE	<1 ND
SF101-A3-1-Joint Compound	92110039	101	OFFICE 1	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF101-A3-1-Skim Coat	92110039	101	OFFICE 1	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF101-A4-1-Drywall	92110039	101	COPY ROOM	SKIM COAT/ DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
SF101-A4-1-Joint Compound	92110039	101	COPY ROOM	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF101-A4-1-Skim Coat	92110039	101	COPY ROOM	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF101-A5-1-Drywall	92110039	101	CLOSET	SKIM COAT/ DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
SF101-A5-1-Joint Compound	92110039	101	CLOSET	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.25
SF101-A5-1-Skim Coat	92110039	101	CLOSET	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF101-A6-2-Drywall	92110039	101	MECHANICAL ROOM - N	SKIM COAT/ DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
SF101-A6-2-Joint Compound	92110039	101	MECHANICAL ROOM - N	SKIM COAT/ DRYWALL/JOINT COMPOUND	-	Not Analyzed
SF101-A6-2-Skim Coat	92110039	101	MECHANICAL ROOM - N	SKIM COAT/ DRYWALL/JOINT COMPOUND	-	Not Analyzed
SF101-A7-2-Drywall	92110039	101	MECHANICAL ROOM - W	SKIM COAT/ DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
SF101-A7-2-Joint Compound	92110039	101	MECHANICAL ROOM - W	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.25
SF101-A7-2-Skim Coat	92110039	101	MECHANICAL ROOM - W	SKIM COAT/ DRYWALL/JOINT COMPOUND	-	Not Analyzed
SF101-A8-2-Drywall	92110039	101	MECHANICAL ROOM - E	SKIM COAT/ DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
SF101-A8-2-Joint Compound	92110039	101	MECHANICAL ROOM - E	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF101-A8-2-Skim Coat	92110039	101	MECHANICAL ROOM - E	SKIM COAT/ DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF101-A9-3	92110039	101	OFFICE 2	TEXTURING	WHITE	ND
SF101-A10-3-Texture	92110039	101	OFFICE 2	TEXTURING	WHITE	ND
SF101-A10-3-Mastic	92110039	101	OFFICE 2	TEXTURING	YELLOW	ND
SF101-A10-3-Mastic 2	92110039	101	OFFICE 2	TEXTURING	TAN	ND
SF101-A11-4	92110039	101	OFFICE 2 - WEST	1'X1' WORMHOLD ACT	WHITE	ND
SF101-A12-4	92110039	101	OFFICE 2 - WEST	1'X1' WORMHOLD ACT	WHITE	ND
SF101-A13-5-Cove Base	92110039	101	COPY ROOM	4" TAN CB + BROWN MASTIC	BROWN	ND
SF101-A13-5-Mastic	92110039	101	COPY ROOM	4" TAN CB + BROWN MASTIC	BROWN	ND
SF101-A14-5-Cove Base	92110039	101	COPY ROOM	4" TAN CB + BROWN MASTIC	BROWN	ND
SF101-A14-5-Mastic	92110039	101	COPY ROOM	4" TAN CB + BROWN MASTIC	BROWN	ND
SF101-A15-6-Floor Tile	92110039	101	COPY ROOM	12"X12" WHITE FT + BLACK MASTIC	TAN	<1
SF101-A15-6-Mastic	92110039	101	COPY ROOM	12"X12" WHITE FT + BLACK MASTIC	BLACK	2.0
SF101-A16-6-Floor Tile	92110039	101	COPY ROOM	12"X12" WHITE FT + BLACK MASTIC	TAN	<1
SF101-A16-6-Mastic	92110039	101	COPY ROOM	12"X12" WHITE FT + BLACK MASTIC	BLACK	2.0
SF101-A17-7-Cove Base	92110039	101	OFFICE 4	4" BLUE CB + TAN MASTIC	BLUE	ND
SF101-A17-7-Mastic	92110039	101	OFFICE 4	4" BLUE CB + TAN MASTIC	TAN	ND
SF101-A18-7-Cove Base	92110039	101	OFFICE 4	4" BLUE CB + TAN MASTIC	BLUE	ND
SF101-A18-7-Mastic	92110039	101	OFFICE 4	4" BLUE CB + TAN MASTIC	TAN	ND
SF101-A19-8	92110039	101	CONFERENCE ROOM - EAST	YELLOW CARPET MASTIC	YELLOW	ND
SF101-A20-8	92110039	101	CONFERENCE ROOM - EAST	YELLOW CARPET MASTIC	YELLOW	ND
SF101-A21-9-Linoleum	92110039	101	CORRIDOR	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	TAN	ND
SF101-A21-9-Mastic	92110039	101	CORRIDOR	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	CLEAR	ND
SF101-A21-9-Floor Tile	92110039	101	CORRIDOR	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	TAN	<1
SF101-A21-9-Mastic	92110039	101	CORRIDOR	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	BLACK	3.0
SF101-A22-9-Linoleum	92110039	101	CORRIDOR	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	WHITE	ND
SF101-A22-9-Mastic	92110039	101	CORRIDOR	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	CLEAR	ND
SF101-A22-9-Floor Tile	92110039	101	CORRIDOR	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	TAN	<1
SF101-A22-9-Mastic	92110039	101	CORRIDOR	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	BLACK	2.0
SF101-A23-10-Linoleum	92110039	101	JANITORS CLOSET	BROWN SPECKLED SHEET FLOORING + GROUT	GREY/TAN	20.0
SF101-A23-10-Mastic	92110039	101	JANITORS CLOSET	BROWN SPECKLED SHEET FLOORING + GROUT	TAN	ND
SF101-A24-10	92110039	101	JANITORS CLOSET	BROWN SPECKLED SHEET FLOORING + GROUT	TAN/WHITE	20.0
SF101-A25-11	92110039	101	EXTERIOR - N	CEMENT PAD	GREY	ND
SF101-A26-11	92110039	101	EXTERIOR - N	CEMENT PAD	GREY	ND
SF101-A27-12	92110039	101	ROOF	PENETRATION MASTIC	BLACK	ND
SF101-A28-12	92110039	101	ROOF	PENETRATION MASTIC	BLACK	ND
SF101-A29-13	92110039	101	ROOF	ASPHALTIC ROOFING SHINGLE	BLACK	ND
SF101-A30-13	92110039	101	ROOF	ASPHALTIC ROOFING SHINGLE	BLACK	ND
SF101-A31-13	92110039	101	ROOF	ASPHALTIC ROOFING SHINGLE	BLACK	ND
SF202-A1-14	92110039	202	NW NE	CEMENT PAD	GREY	ND
SF202-A2-14	92110039	202	NE OFFICE CHING	CEMENT PAD	GREY	ND
SF203-A1-15-Drywall	92110039	203	OFFICE - CEILING	SKIM COAT/DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
	92110039	203	OFFICE - CEILING	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF203-A1-15-Joint Compound	partont		OFFICE - CEILING	SKIM COAT/DRYWALL/JOINT COMPOUND	TAN	2.0 / 0.25
SF203-A1-15-Skim Coat	92110039		CHI TO	CONTROL AND DESCRIPTION OF THE PROPERTY OF THE	fin course from service	
SF203-A1-15-Skim Coat SF203-A2-15-Drywall	92110039	203	CELLING	SKIM COAT/DRYWALL/JOINT COMPOUND	BROWN/WHITE	ND
SF203-A1-15-Skim Coat SF203-A2-15-Drywall SF203-A2-15-Joint Compound	92110039 92110039	203 203	CEILING	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	2.0 / < 0.25
SF203-A2-15-Skim Coat SF203-A2-15-Joint Compound SF203-A2-15-Skim Coat	92110039 92110039 92110039	203 203 203	CEILING CEILING	SKIM COAT/DRYWAIL/JOINT COMPOUND SKIM COAT/DRYWAIL/JOINT COMPOUND	WHITE TAN	2.0 / <0.25
SF203-A1-15-Skim Coat SF203-A2-15-Drywall SF203-A2-15-Joint Compound	92110039 92110039	203 203	CEILING	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	2.0 / < 0.25

Project No. 21015.2000

	Laboratore				Nation/a	Ashastas Contant /
Sample ID	Report No.	Building	Sample Location	Material, Size, Composition	(Component1/Component2/	Type
SF203-A3-15-Skim Coat	92110039	203	WALL	SKIM COAT/DRYWALL/JOINT COMPOUND	TAN	2.0 / < 0.25
SF203-A4-16 SF203-A5-16	92110039 92110039	203	MAIN ROOM MAIN ROOM - S	SURFACING TEXTURE SURFACING TEXTURE	TAN	2.0 / 0.50
SF203-A6-16	92110039	203	MAIN ROOM - W	SURFACING TEXTURE	TAN	2.0 / 0.30
SF203-A7-17	92110039	203	EXTERIOR - S	CEMENT PAD	GREY	ND ND
SF203-A8-17	92110039	203	INTERIOR - CENTER	CEMENT PAD	GREY	ND
SF204-A1-18	92110039	204	EXTERIOR - NE	CEMENT PAD	GREY	ND
SF204-A2-18	92110039	204	EXTERIOR - NW	CEMENT PAD	GREY	ND
SF205-A1-19-Drywall	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF205-A1-19-Joint Compound	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	2.0 / < 0.25
SF205-A1-19-Skim Coat	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	TAN/WHITE	2.0 / < 0.25
SF205-A2-19-Drywall	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF205-A2-19-Joint Compound	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	2.0 / < 0.25
SF205-A2-19-Skim Coat	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	TAN/WHITE	2.0 / < 0.25
SF205-A3-19-Drywall	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF205-A3-19-Joint Compound	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	2.0 / < 0.25
SF205-A3-19-Skim Coat	92110039	205	BLDG 205	SKIM COAT/DRYWALL/JOINT COMPOUND	TAN/WHITE	2.0 / 0.25
SF205-A4-19-Drywall	92110039	205	BLDG 205	SKIM COAT/DRYWALL	WHITE	ND
SF205-A4-19-Joint Compound	92110039	205	BLDG 205	SKIM COAT/DRYWALL	WHITE	2.0 / 0.25
SF205-A4-19-Skim Coat	92110039	205	BLDG 205	SKIM COAT/DRYWALL	WHITE	2.0 / < 0.25
SF205-A5-19-Drywall	92110039	205	BLDG 205	SKIM COAT/DRYWALL	WHITE	ND
SF205-A5-19-Skim Coat	92110039	205	BLDG 205	SKIM COAT/DRYWALL	TAN/WHITE	2.0 / 0.50
SF205-A6-20-Drywall	92110039	205	BREAKROOM	POPCORN CEILING	WHITE	ND
SF205-A6-20-Popcorn Ceiling	92110039	205	BREAKROOM	POPCORN CEILING	TAN/WHITE	4.0
SF205-A7-20-Drywall	92110039	205	BREAKROOM	POPCORN CEILING	WHITE	ND
SF205-A7-20-Popcom Ceiling	92110039	205	BREAKROOM	POPCORN CEILING	WHITE	4.0
SF205-A8-21-Floor Tile	92110039	205	BREAKROOM	12"X12" TAN FT + BLACK MASTIC	TAN	2.0
SF205-A8-21-Mastic	92110039	205	BREAKROOM	12"X12" TAN FT + BLACK MASTIC	BLACK	3.0
SF205-A9-21-Floor Tile	92110039	205	BREAKROOM	12"X12" TAN FT + BLACK MASTIC	TAN	2.0
SF205-A9-21-Mastic	92110039	205	BREAKROOM	12"X12" TAN FT + BLACK MASTIC	BLACK	3.0
SF205-A10-22-Cove Base	92110039	205	BREAKROOM	4" DARK BROWN CB + BROWN MASTIC	BROWN	ND
SF205-A10-22-Mastic	92110039	205	BREAKROOM	4" DARK BROWN CB + BROWN MASTIC	BROWN	2.0
SF205-A10-22-Compound	92110039	205	BREAKROOM	4" DARK BROWN CB + BROWN MASTIC	TAN	<1 / 0.25
SF205-A11-22-Cove Base	92110039	205	BREAKROOM	4" DARK BROWN CB + BROWN MASTIC	BROWN	ND
SF205-A11-22-Mastic	92110039	205	BREAKROOM	4" DARK BROWN CB + BROWN MASTIC	BROWN	2.0
SF205-A11-22-Compound	92110039	205	BREAKROOM	4" DARK BROWN CB + BROWN MASTIC	TAN	<1 / Not Analyzed
SF205-A12-23-Floor Tile	92110039	205	OFFICE	12"X12" TAN FT + BLACK MASTIC	TAN	2.0
SF205-A12-23-Mastic	92110039	205	OFFICE	12"X12" TAN FT + BLACK MASTIC	BLACK	5.0
SF205-A13-23-Floor Tile	92110039	205	OFFICE	12"X12" TAN FT + BLACK MASTIC	TAN	2.0
SF205-A13-23-Mastic	92110039	205	OFFICE	12"X12" TAN FT + BLACK MASTIC	BLACK	5.0
SF205-A14-24-Fireproofing	92110039	205	GARAGE	FIREPROOFING	BEIGE	ND
SF205-A14-24-Membrane	92110039	205	GARAGE	FIREPROOFING	TAN/WHITE	ND
SF205-A15-24-Fireproofing	92110039	205	GARAGE	FIREPROOFING	BEIGE	ND
SF205-A15-24-Membrane	92110039	205	GARAGE	FIREPROOFING	TAN/WHITE	ND
SF205-A16-24-Fireproofing	92110039	205	GARAGE	FIREPROOFING	BEIGE	ND
SF205-A16-24-Membrane	92110039	205	GARAGE	FIREPROOFING	TAN/WHITE	ND
SF205-A17-24-Fireproofing	92110039	205	GARAGE	FIREPROOFING	BEIGE	ND
SF205-A17-24-Membrane	92110039	205	GARAGE	FIREPROOFING	TAN/WHITE	ND
SF205-A18-24-Fireproofing	92110039	205	GARAGE	FIREPROOFING	BEIGE	ND
SF205-A18-24-Membrane	92110039	205	GARAGE	FIREPROOFING	TAN/WHITE	ND
SF205-A19-25	92110039	205	INTERIOR - GARAGE	CEMENT PAD	GREY	ND
SF205-A20-25	92110039	205	INTERIOR - GARAGE	CEMENT PAD	GREY	ND
SF206-A1-26-Drywall	92110039	206	LAB ROOM - CEILING - E	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A1-26-Joint Compound	92110039	206	LAB ROOM - CEILING - E	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A1-26-Skim Coat	92110039	206	LAB ROOM - CEILING - E	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A2-26-Drywall	92110039	206	LAB ROOM - CEILING - S	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A2-26-Joint Compound 1	92110039	206	LAB ROOM - CEILING - S	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A2-26-Joint Compound 2	92110039	206	LAB ROOM - CEILING - S	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A2-26-Skim Coat	92110039	206	LAB ROOM - CEILING - S	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A3-26-Drywall	92110039	206	LAB ROOM - CEILING - N	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A3-26-Joint Compound	92110039	206	LAB ROOM - CEILING - N	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A3-26-Skim Coat	92110039	206	LAB ROOM - CEILING - N	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF206-A4-27-Texture	92110039	206	LAB ROOM - N WALL - TEXTURING	TEXTURING	WHITE	ND
SF206-A4-27-Mastic	92110039	206	LAB ROOM - N WALL - TEXTURING	TEXTURING	BEIGE	ND
SF206-A5-27	92110039	206	LAB ROOM - CEILING	TEXTURING	WHITE	ND
SF206-A6-28-Floor Tile	92110039	206	LAB ROOM - N	12"X12" TAN FT + BLACK MASTIC	BEIGE	ND
SF206-A6-28-Mastic	92110039	206	LAB ROOM - N	12"X12" TAN FT + BLACK MASTIC	BLACK	ND
SF206-A7-28-Floor Tile	92110039	206	LAB ROOM - N	12"X12" TAN FT + BLACK MASTIC	BEIGE	ND
	92110039	206	LAB ROOM - N	12"X12" TAN FT + BLACK MASTIC	BLACK	ND
SF206-A7-28-Mastic		206	LAB ROOM	4" BROWN CB + TAN MASTIC	BROWN	ND
SF206-A7-28-Mastic SF206-A8-29-Cove Base	92110039					
	92110039 92110039	206	LAB ROOM	4" BROWN CB + TAN MASTIC	BEIGE	ND
SF206-A8-29-Cove Base		206 206	LAB ROOM LAB ROOM	4" BROWN CB + TAN MASTIC 4" BROWN CB + TAN MASTIC	BEIGE BROWN	ND ND
SF206-A8-29-Cove Base SF206-A8-29-Mastic	92110039					
SF206-A8-29-Cove Base SF206-A8-29-Mastic SF206-A9-29-Cove Base	92110039 92110039	206	LAB ROOM	4" BROWN CB + TAN MASTIC	BROWN	ND

Appendix A Project No. 21015.2000

	Laboratory				GOIO	Ashestos Content /
Sample ID	Report No.	Building	Sample Location		(Component1/Component2/	Type
SF206-A12-31	92110039	206	GARAGE	CEMENT PAD	GREY	ND
SF206-A13-31 SF207-A1-32	92110039 92110039	206	GARAGE EAST	CEMENT PAD CEMENT PAD	GREY	ND ND
SF207-A2-32	92110039	207	EAST	CEMENT PAD	GREY	ND
SF207-A3-33	92110039	207	EAST	CEMENT PAD W/ TEXTURE	GREY	ND
SF207-A4-33	92110039	207	EAST	CEMENT PAD W/ TEXTURE	GREY	ND
SF208-A1-34	92110039	208	EAST	CEMENT FOOTING	GREY	ND
SF208-A2-34	92110039	208	WEST	CEMENT FOOTING	TAN	ND
SF211-A1-35	92110039	211	VAULT COVER	CEMENT VAULT COVER	TAN	ND
SF211-A2-35	92110039	211	VAULT COVER	CEMENT VAULT COVER	GREY	ND
SF211-A3-36	92110039	211	N	CEMENT PAD	GREY	ND
SF211-A4-36	92110039	211	N	CEMENT PAD	GREY	ND
SF212-A1-37-Cement Pad	92110039	212	NE	CEMENT PAD	GREY	ND
SF212-A1-37-Cementicious Material	92110039	212	NE	CEMENT PAD	TAN	ND
SF212-A2-37	92110039	212	NE	CEMENT PAD	GREY	ND
SF213-A1-38	92110039	213	BLDG 213	CEMENT PAD	GREY	ND
SF213-A2-38	92110039	213	BLDG 213	CEMENT PAD	GREY	ND
SF214-A1-39-Drywall	92110039	214	WASH ROOM - CENTER	SKIM COAT/DRYWALL/JOINT COMPOUND	TAN	ND
SF214-A1-39-Joint Compound	92110039	214	WASH ROOM - CENTER	SKIM COAT/DRYWALL/JOINT COMPOUND	TAN	ND
SF214-A1-39-Skim Coat	92110039	214	WASH ROOM - CENTER	SKIM COAT/DRYWALL/JOINT COMPOUND	TAN	ND
SF214-A2-39-Drywall	92110039	214	WASH ROOM - CENTER	SKIM COAT/DRYWALL/JOINT COMPOUND	BROWN	ND
SF214-A2-39-Joint Compound	92110039	214	WASH ROOM - CENTER	SKIM COAT/DRYWALL/JOINT COMPOUND	-	Not Analyzed
SF214-A2-39-Skim Coat	92110039	214	WASH ROOM - CENTER	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	2.0 / 0.50
SF214-A3-40	92110039	214	WASH ROOM	DRYWALL PATCH	WHITE	2.0 / 0.50
SF214-A4-40	92110039	214	WASH ROOM	DRYWALL PATCH	WHITE	2.0 / 0.50
SF214-A5-41	92110039	214	EXTERIOR CENTER - NEAR DOOR	PIPE WRAP	TAN	ND
SF214-A6-41	92110039	214	EXTERIOR CENTER - NEAR DOOR	PIPE WRAP	TAN	ND
SF214-A7-42 SF214-A8-42	92110039	214	DOOR	WHITE CAULKING	TAN	ND
SF214-A8-42 SF214-A9-43	92110039 92110039	214	DOOR NW	WHITE CAULKING CEMENT PAD	TAN	ND ND
SF214-A9-43 SF214-A10-43	92110039	214	SE.	CEMENT PAD	GREY	ND ND
SF214-A10-45 SF216-A1-44	92110039	214	SE.	PIPE WRAP	BLACK/SILVER	ND ND
SF216-A2-44	92110039	216	N N	PIPE WRAP	BLACK/SILVER	ND
SF216-A3-45	92110039	216	N N	CEMENT PAD	GREY	ND
SF216-A4-45	92110039	216	W	CEMENT PAD	GREY	ND
SF216-A5-46	92110039	216	EXTERIOR CMU	CMU	GREY/RED	ND
SF216-A6-46-CMU	92110039	216	EXTERIOR CMU	CMU	GREY/RED	ND
SF216-A6-46-CMU Mortar	92110039	216	EXTERIOR CMU	CMU	GREY	ND
SF216-A7-46	92110039	216	EXTERIOR CMU	CMU MORTAR	GREY	ND
SF216-A8-46	92110039	216	EXTERIOR CMU	CMU MORTAR	GREY	ND
SF217-A1-47	92110039	217	INTERIOR	CEMENT PAD	GREY	ND
SF217-A2-47	92110039	217	INTERIOR	CEMENT PAD	GREY	ND
SF217-A3-48	92110039	217	INTERIOR	CEMENT FOOTING	GREY	ND
SF217-A4-48	92110039	217	INTERIOR	CEMENT FOOTING	GREY	ND
SF304-A1-49-Skim Coat	92110039	304	BEDROOM 1 CEILING	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	<1 / <0.25
SF304-A1-49-Joint Compound	92110039	304	BEDROOM 1 CEILING	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.75
SF304-A1-49-Drywall	92110039	304	BEDROOM 1 CEILING	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF304-A2-49-Skim Coat	92110039	304	BEDROOM 1 WALL	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	<1 / Not Analyzed
SF304-A2-49-Joint Compound	92110039	304	BEDROOM 1 WALL	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.50
SF304-A2-49-Drywall	92110039	304	BEDROOM 1 WALL	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF304-A3-49-Skim Coat	92110039	304	BEDROOM 2	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.25
SF304-A3-49-Joint Compound	92110039	304	BEDROOM 2	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.25
SF304-A3-49-Drywall	92110039	304	BEDROOM 2	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF304-A4-49-Skim Coat	92110039	304	CLOSET	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	2.0 / 0.25
SF304-A4-49-Joint Compound	92110039	304	CLOSET	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	<1 / 0.25
SF304-A4-49-Drywall	92110039	304	CLOSET	SKIM COAT/DRYWALL/JOINT COMPOUND	WHITE	ND
SF304-A5-50-Floor Tile	92110039	304	BEDROOM (UNDERNEATH CARPET)	12"X12" WHITE FT + BLACK MASTIC	WHITE BROWN/BLACK	<1 ND
SF304-A5-50-Mastic	92110039	304	BEDROOM (UNDERNEATH CARPET)	12"X12" WHITE FT + BLACK MASTIC		ND
SF304-A6-50-Floor Tile SF304-A6-50-Mastic	92110039 92110039	304	BEDROOM (UNDERNEATH CARPET) BEDROOM (UNDERNEATH CARPET)	12"X12" WHITE FT + BLACK MASTIC 12"X12" WHITE FT + BLACK MASTIC	WHITE BLACK	<1 ND
SF304-A6-50-Mastic SF304-A7-51-Vinyl Sheet Flooring 1	92110039 92110039	304	BEDROOM (UNDERNEATH CARPET) BEDROOM 5 RESTROOM	12"X12" WHITE FT + BLACK MASTIC FN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	BLACK BROWN/GREY	ND ND
SF304-A7-51-Vinyl Sheet Flooring 1 SF304-A7-51-Mastic 1	92110039	304	BEDROOM 3 RESTROOM BEDROOM 3 RESTROOM	EN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO EN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	BEIGE	ND ND
SF304-A7-51-Leveling Compound	92110039	304	BEDROOM 3 RESTROOM BEDROOM 3 RESTROOM	EN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	GREY	ND
SF304-A7-51-Vinyl Sheet Flooring 2	92110039	304	BEDROOM 3 RESTROOM BEDROOM 3 RESTROOM	VN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	WHITE/BEIGE	ND
SF304-A7-51-Mastic 2	92110039	304	BEDROOM 3 RESTROOM	VN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	BEIGE	ND
SF304-A8-51-Vinyl Sheet Flooring 1	92110039	304	BEDROOM 3 RESTROOM	VN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	BROWN/GREY	ND
SF304-A8-51-Mastic	92110039	304	BEDROOM 3 RESTROOM	IN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	BEIGE	ND
SF304-A8-51-Leveling Compound	92110039	304	BEDROOM 3 RESTROOM	VN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	GREY	ND
SF304-A8-51-Vinyl Sheet Flooring 2	92110039	304	BEDROOM 3 RESTROOM	VN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	WHITE/BEIGE	ND
SF304-A8-51-Mastic 2	92110039	304	BEDROOM 3 RESTROOM	VN VINYL SHEET FLOORING+MASTIC+WHITE SHEET FLOORING+LEVELING COMPO	BEIGE	ND
SF304-A9-52	92110039	304	BATHROOM	WHITE VINYL SHEET FLOORING	TAN/WHITE	ND
SF304-A10-52-Vinyl Sheet Flooring	92110039	304	BATHROOM	WHITE VINYL SHEET FLOORING	TAN/WHITE	ND
SF304-A10-52-Mastic	92110039	304	BATHROOM	WHITE VINYL SHEET FLOORING	BEIGE	ND
SF304-A11-53-Sheet Flooring 1	92110039	304	KITCHEN	FAUX 4"X4" TILE SHEET FLOORING + MASTIC	GREY/TAN	ND
SF304-A11-53-Mastic	92110039	304	KITCHEN	FAUX 4"X4" TILE SHEET FLOORING + MASTIC	WHITE	ND

Appendix A Project No. 21015.2000

	Laboratory				GOIDA	Ashestos Content /
Sample ID	Report No.	Building	Sample Location	Material, Size, Composition	(Component1/Component2/	Type
SF304-A11-53-Sheet Flooring 2	92110039	304	KITCHEN	FAUX 4"X4" TILE SHEET FLOORING + MASTIC	WHITE	ND
SF304-A12-53-Sheet Flooring 1 SF304-A12-53-Mastic	92110039 92110039	304	KITCHEN KITCHEN	FAUX 4"X4" TILE SHEET FLOORING + MASTIC FAUX 4"X4" TILE SHEET FLOORING + MASTIC	GREY/TAN/WHITE YELLOW/CLEAR	ND ND
SF304-A12-53-Sheet Flooring 2	92110039	304	KITCHEN	FAUX 4"X4" THE SHEET FLOORING + MASTIC	GREY/BEIGE	ND
SF304-A13-54	92110039	304	EXTERIOR NW WINDOW	WHITE CAULKING	WHITE	ND
SF304-A14-54	92110039	304	EXTERIOR NW WINDOW	WHITE CAULKING	WHITE	ND
SF304-A15-55	92110039	304	EXTERIOR CHIMNEY	CHIMNEY GROUT	BEIGE	ND
SF304-A16-55	92110039	304	EXTERIOR CHIMNEY	CHIMNEY GROUT	BEIGE	ND
SF304-A17-56	92110039	304	INTERIOR CHIIMNEY	CHIMNEY GROUT	GREY	ND
SF304-A18-56	92110039	304	INTERIOR CHIIMNEY	CHIMNEY GROUT	GREY	ND
SF304-A19-57	92110039	304	HOUSE	ÇEMENT PAD	GREY	ND
SF304-A20-57	92110039	304	HOUSE	CEMENT PAD	GREY	ND
SF304-A21-58	92110039	304	SW	CEMENT PAD	GREY	ND
SF304-A22-58	92110039	304	SW	ÇEMENT PAD	GREY	ND
SF304-A23-59	92110039	304	SE FRONT HOUSE	CEMENT PAD (STONE)	GREY	ND
SF304-A24-59	92110039	304	SE FRONT HOUSE	CEMENT PAD (STONE)	GREY	ND
SF304-A25-60	92110039	304	PATIO NW	STONE TILE GROUT	GREY	ND
SF304-A26-60	92110039	304	PATIO NW	STONE TILE GROUT	GREY	ND
SF304-A27-61	92110039	304	ROOF - CHIMNEY	WHITE CHIMNEY CAULKING	TAN	ND
SF304-A28-61	92110039	304	ROOF - CHIMNEY	WHITE CHIMNEY CAULKING	TAN	ND
SF304-A29-62	92110039	304	ROOF	BLACK MASTIC	BLACK	ND
SF304-A30-62	92110039	304	ROOF	BLACK MASTIC	BLACK	ND
SF308-A1-63-Drywall	92110039	308	BEDROOM #1 CEILING	SKIM/ DRYWALL/ JOINT COMPOUND	WHITE	ND
SF308-A1-63-Joint Compound	92110039	308	BEDROOM #1 CEILING	SKIM/ DRYWALL/ JOINT COMPOUND	TAN	<1 / <0.25
SF308-A1-63-Skim Coat	92110039	308	BEDROOM #1 CEILING	SKIM/ DRYWALL/ JOINT COMPOUND	TAN	<1 / <0.25
SF308-A2-63-Drywall	92110039	308	BEDROOM #2	SKIM/ DRYWALL/ JOINT COMPOUND	TAN	ND
SF308-A2-63-Joint Compound	92110039	308	BEDROOM #2	SKIM/ DRYWALL/ JOINT COMPOUND	WHITE	<1 / <0.25
SF308-A2-63-Skim Coat	92110039	308	BEDROOM #2	SKIM/ DRYWALL/ JOINT COMPOUND	WHITE	<1 / <0.25
SF308-A3-63-Drywall	92110039	308	BEDROOM #2 CEILING	SKIM/ DRYWALL/ JOINT COMPOUND	WHITE	ND
SF308-A3-63-Joint Compound	92110039	308	BEDROOM #2 CEILING	SKIM/ DRYWALL/ JOINT COMPOUND	TAN	<1 / <0.25
SF308-A3-63-Skim Coat	92110039	308	BEDROOM #2 CEILING	SKIM/ DRYWALL/ JOINT COMPOUND	TAN	<1 / <0.25
SF308-A4-63-Drywall	92110039	308	BEDROOM #1 - W WALL	SKIM/ DRYWALL/ JOINT COMPOUND	BROWN	ND
SF308-A4-63-Joint Compound	92110039	308	BEDROOM #1 - W WALL	SKIM/ DRYWALL/ JOINT COMPOUND	TAN	<1 / <0.25
SF308-A4-63-Skim Coat	92110039	308	BEDROOM#1 - W WALL	SKIM/ DRYWALL/ JOINT COMPOUND	TAN	<1 / <0.25
SF308-A5-63-Drywall	92110039	308	LAUNDRY ROOM - CEILING	SKIM COAT/ DRYWALL/ JOINT COMPOUND	WHITE	ND
SF308-A5-63-Joint Compound	92110039	308	LAUNDRY ROOM - CEILING	SKIM COAT/ DRYWALL/ JOINT COMPOUND	TAN	<1 / <0.25
SF308-A5-63-Skim Coat	92110039	308	LAUNDRY ROOM - CEILING	SKIM COAT/ DRYWALL/ JOINT COMPOUND	WHITE	<1 / <0.25
SF308-A6-64	92110039	308	LIVING AREA	1'X1' WORMHOLE ACT WHITE	WHITE	ND
SF308-A7-64	92110039	308	LIVING AREA	1'X1' WORMHOLE ACT WHITE	WHITE	ND
SF308-A8-65-Floor Tile	92110039	308	HVAC CLOSET (UNDERNEATH FAUX WOOD FLOOR)	12"X12" TAN FT + YELLOW MASTIC	TAN	ND
SF308-A8-65-Mastic	92110039	308	HVAC CLOSET (UNDERNEATH FAUX WOOD FLOOR)	12"X12" TAN FT + YELLOW MASTIC	YELLOW	ND
SF308-A9-65-Floor Tile	92110039	308	HVAC CLOSET (UNDERNEATH FAUX WOOD FLOOR)	12"X12" TAN FT + YELLOW MASTIC	TAN	ND
SF308-A9-65-Mastic	92110039	308	HVAC CLOSET (UNDERNEATH FAUX WOOD FLOOR)	12"X12" TAN FT + YELLOW MASTIC	YELLOW	ND
SF308-A10-66-Vinyl Flooring	92110039	308	HVAC CLOSET	FAUX WOOD VINYL FLOORING + MASTIC	BROWN/TAN	ND
SF308-A10-66-Mastic	92110039	308	HVAC CLOSET	FAUX WOOD VINYL FLOORING + MASTIC	TAN	ND
SF308-A11-66-Vinyl Flooring	92110039	308	HVAC CLOSET	FAUX WOOD VINYL FLOORING + MASTIC	BROWN/TAN	ND
SF308-A11-66-Mastic	92110039	308	HVAC CLOSET	FAUX WOOD VINYL FLOORING + MASTIC	TAN	ND
SF308-A12-67-Sheet Flooring	92110039	308	RESTROOM #1	BLUE SHEET FLOORING + MASTIC	GREY/TAN	ND
SF308-A12-67-Mastic	92110039	308	RESTROOM #1	BLUE SHEET FLOORING + MASTIC	-	Not Analyzed
SF308-A13-67-Sheet Flooring	92110039	308	RESTROOM #1	BLUE SHEET FLOORING + MASTIC	WHITE/BLUE	ND
SF308-A13-67-Mastic	92110039	308	RESTROOM #1	BLUE SHEET FLOORING + MASTIC	TAN	ND
SF308-A14-68-Cove Base	92110039	308	BEDROOM#1	4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	BROWN	ND
SF308-A14-68-Mastic 1	92110039	308	BEDROOM#1	4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	YELLOW	ND
SF308-A14-68-Mastic 2	92110039	308	BEDROOM#1	4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	BROWN/BLACK	ND
SF308-A15-68-Cove Base	92110039	308	BEDROOM #1	4* BROWN CB + YELLOW MASTIC + BLACK MASTIC	BROWN	ND
SF308-A15-68-Mastic 1	92110039	308	BEDROOM #1	4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	YELLOW	ND
SF308-A15-68-Mastic 2	92110039	308	BEDROOM#1	4* BROWN CB + YELLOW MASTIC + BLACK MASTIC	BROWN/BLACK	ND
SF308-A16-69	92110039	308	EXTERIOR NE WINDOW	WHITE WINDOW CAULKING	WHITE	ND
SF308-A17-69	92110039	308	EXTERIOR NE WINDOW	WHITE WINDOW CAULKING	WHITE	ND
SF308-A18-70	92110039	308	N. EXTERIOR	CEMENT PAD	GREY	ND
SF308-A19-70	92110039	308	S - EXTERIOR	CEMENT PAD	WHITE/BEIGE	ND
SF308-A20-71-Shingle	92110039	308	ROOF	ASPHALT ROOF SHINGLE	BLACK	ND
SF308-A20-71-Tar	92110039	308	ROOF	ASPHALT ROOF SHINGLE	BLACK	ND
SF308-A21-71-Shingle	92110039	308	ROOF	ASPHALT ROOF SHINGLE	BROWN/BLACK	ND
SF308-A21-71-Tar	92110039	308	ROOF	ASPHALT ROOF SHINGLE	BLACK	ND
SF308-A22-72	92110039	308	ROOF	PENETRATION MASTIC	BROWN/BLACK	ND
SF308-A23-72	92110039	308	ROOF	PENETRATION MASTIC	BROWN/BLACK	ND
SF401-A1-73	92110039	401	E WINDOW	WHITE WINDOW CAULKING	WHITE	3.0
SF401-A2-73	92110039	401	E WINDOW	WHITE WINDOW CAULKING	WHITE	3.0
SF401-A3-74-Mastic	92110039	401	ROOF	BLACK MASTIC	BLACK	3.0
	92110039	401	ROOF	BLACK MASTIC	SILVER	2.0
SF401-A3-74-Silver Paint		401	ROOF	BLACK MASTIC	BROWN/BLACK	4.0
SF401-A3-74-Silver Paint SF401-A4-74	92110039				<u> </u>	
	92110039 92110039	404	s	CEMENT PAD	GREY	ND
SF401-A4-74				CEMENT PAD	GREY GREY	ND ND

Project No. 22015 2000

Sample ID	Laboratory Report No.	Building	Sample Location	Material, Size, Composition	(Component1/Component2/	Asbestos Content / Type
SF404-A4-76	92110039	404	CENTER/S	TEXTURED CEMENT PAD	GREY	ND
SFPT-A1-77	92110039	Propane Tank	PROPANE TANK CEMENT STRUCTURE	CEMENT STRUCTURE	BEIGE	ND
SFPT-A2-77	92110039	Propane Tank	PROPANE TANK CEMENT STRUCTURE	CEMENT STRUCTURE	BEIGE	ND
SFCMU-A1-78	92110039	Concrete Masonry Unit	CMU BETWEEN 207/ 216	CONCRETE LANDING	GREY	ND
SFCMU-A2-78	92110039	Concrete Masonry Unit	CMU BETWEEN 207/ 216	CONCRETE LANDING	GREY	ND
SFCMU-A3-79	92110039	Concrete Masonry Unit	CMU BETWEEN 207/ 216	CMU	GREY	ND
SFCMU-A4-79	92110039	Concrete Masonry Unit	CMU BETWEEN 207/ 216	CMU	GREY	ND
SFCMU-A5-80	92110039	Concrete Masonry Unit	CMU BETWEEN 207/ 216	CMU MORTAR	GREY	ND
SFCMU-A6-80	92110039	Concrete Masonry Unit	CMU BETWEEN 207/ 216	CMU MORTAR	GREY	ND

Project No. 22015 2000

Appendix A: Data Table Results By Building - Lead UC Hopland REC Hopland, CA

Building No.	Sample No.	Sample Location	Coating Color	Substrate	Lead Concentration (ppm)	LCP/LBP
101	H101-PB5	Filing Room	Beige over Green	Wood	2,800	LCP
101	H101-PB1	Exterior Door Trim	Green	Wood	1,500	LCP
101	H101-PB3	Exterior Siding- 1960's Built Wall	Mauve	Wood	1,300	LCP
101	H101-PB2	Exterior SE Siding	Mauve	Wood	1,200	LCP
102	H102IT-PB1	IT Shed- North to 102	White	Wood	<120	LCP
103	H103-01	Structural Steel Interior Framework	Red Paint	Interior Structural Steel	960	LCP
103	H103-02	Office Exterior- Inside Building	White Paint	Office Exterior (Inside Building)	160,000	LBP
205	H205-PB1	Fencing	Green	Steel	61,000	LBP
209	H209-PB2	Exterior Window Trim	White Over Green	Wood	82,000	LBP
209	H209-PB3	Exterior Door	White	Wood	250,000	LBP
209	H209-PB1	Exterior Trim	White	Wood	100,000	LBP
210	H210-PB1	Exterior Wall Panel	Beige	Metal	33,000	LBP
211	H211-PB6	Exterior Electrical Panel Board	White	Wood	92,000	LBP
211	H211-PB4	Chemical Room Wall	Grey	Metal	39,000	LBP
211	H211-PB1	Exterior Siding	Beige	Metal	22,000	LBP
211	H211-PB5	Metal Post	Red	Metal	2,800	LCP
214	H214-PB4	Wall Panel	Off White	Wood	4,600	LCP
214	H214-PB5	Exterior Barn Door	Green	Wood	36,000	LBP
214	H214-PB2	Door	White	Metal	3,000	LCP
214	H214-PB3	Interior Trim	White	Wood	170	LCP
216	H216-PB2	Front Entry Trim	White	Wood	78,000	LBP
216	H216-PB1	Rear NW Corner	White	Wood	110,000	LBP
222	H222-PB1	Exterior Wall Panel	Beige	Metal	22,000 ppm	LBP
223	H223-PB1	Door	Grey Over Red	Metal	1,000 ppm	LCP
224	H224-PB1	Water Tank	Red over Yellow	Steel	7,300 ppm	LBP
224	H224-PB2	Wood Trim	White	Wood	64,000 ppm	LBP
225	H225-PB1	Barn	Red	Wood	790	LCP
231	H231-PB1	Exterior Siding	White	Wood	4,800	LCP
231	H231-PB2	Exterior Trim	White	Metal	1,100	LCP
301	H301-PB7	S Wall	White	Wood	88,000	LBP
301	H301-PB6	Bedroom 3- Closet Trim	Green/Beige	Wood	7,400	LBP
301	H301-PB4	Exterior Wood Panel	White	Wood	56,000	LBP
301	H301-PB2	W Window Trim	Green	Wood	52,000	LBP
301	H301-PB3	W Exterior Siding	White	Wood	49,000	LBP
301	H301-PB5	N Exterior Windowsill	White	Wood	46,000	LBP
301	H301-PB1	N Window Trim	Green	Wood	38,000	LBP
306	H306-PB3	Exterior Primary	White	Wood	70,000	LBP
306	H306-PB4	Exterior Trim	White	Wood	41,000	LBP
306	H306-PB2	Extrior Window Sill	Blue	Wood	31,000	LBP
306	H306-PB1	Interior Primary	White	Drywall	2,600	LCP
307	H307-PB2	Exterior Window Trim	Blue	Wood	91,000	LBP

Appendix A: Data Table Results By Building - Lead UC Hopland REC Hopland, CA

307	H307-PB3	Exterior Door	White	Wood	45,000	LBP
307	H307-PB1	Exterior Window Trim	White	Wood	120,000	LBP
308	H308-PB1	Exterior Primary	Yellow	Wood	380	LCP
309	H309-PB1	Main House Window	White	Wood	3,700	LCP
309	H309-PB2	Interior Rear Room	Light Blue	Drywall	12,000	LBP
310	H310-PB3	Interior Kitchen Primary	Yellow	Drywall	710	LCP
310	H310-PB2	Exterior Garage Trim	White	Wood	420	LBP
310	H310-PB1	Exterior Wood	Brown	Wood	<89	No detectable lead
311	H311-PB1	Exterior Trim	White Over Brown	Wood	1,100	LCP
312	H312-PB1	Garage	White	Wood	280	LCP
312	H312-PB2	Garage Trim	White/Blue/Yellow	Wood	12,000	LBP
312	H312-PB3	Kitchen Trim	White	Wood	<110	LCP
314	H314-PB3	Entry Overhang Post	White	Wood	230	LCP
314	H314-PB1	Bedroom 2 Hallway- Threshold Trim	Beige/Yellow	Wood	2,300	LCP
316	H316-PB1	Window Trim	White	Wood	40,000	LBP
316	H316-PB2	Exterior Shed	White	Wood	24,000	LBP
317	H317-PB1	Exterior Shed	White	Wood	270	LCP
318	H318-PB1	Exterior Trim	White	Wood	<110	LCP
210 SMS	H210SMS-PB1	Special Materials Storage Wall	Red	Steel	64,000	LBP
211 SMS	H210SMS-PB2	Special Materials Storage Door	Red/White	Steel	730	LCP
DMW	HDMW-PB1	NW of Main Tank	Red	Metal	1,100	LCP



APPENDIX B

Asbestos Laboratory Data, Chain of Custodies and Laboratory Certifications



EMSL Order: 092110039 **Customer ID:** MECA62 **Customer PO:** KE210701-2

Project ID:

Attention: Jenice Feiner Phone:

Millennium Consulting Associates, Inc. Fax:

 4683 Chabot Drive, Suite 380
 Received Date:
 07/06/2021 8:30 AM

 Pleasanton, CA 94588
 Analysis Date:
 07/07/2021 - 07/09/2021

Collected Date: 06/29/2021

Project: KE210701-2 - 21015.2003 SIERRA FOOTHILL REC

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

		Non-Asbestos			<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
SF101-A1-1-Drywall	BLDG 101 - CONFERENCE ROOM - SKIM COAT/ DRYWALL/JOINT COMPOUND	Brown/White Fibrous Homogeneous	15% Cellulose	30% Gypsum 55% Non-fibrous (Other)	None Detected	
SF101-A1-1-Joint Compound 092110039-0001A	BLDG 101 - CONFERENCE ROOM - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile	
SF101-A1-1-Skim Coat	BLDG 101 - CONFERENCE ROOM - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile	
SF101-A2-1-Drywall	BLDG 101 - OFFICE 2 - SKIM COAT/ DRYWALL/JOINT COMPOUND	Brown/White Fibrous Homogeneous	15% Cellulose	30% Ca Carbonate 55% Non-fibrous (Other)	None Detected	
SF101-A2-1-Joint Compound	BLDG 101 - OFFICE 2 - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile	
SF101-A2-1-Skim Coat	BLDG 101 - OFFICE 2 - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile	
SF101-A3-1-Drywall	BLDG 101 - OFFICE 1 - SKIM COAT/ DRYWALL/JOINT COMPOUND	Brown/White Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected	
SF101-A3-1-Joint Compound	BLDG 101 - OFFICE 1 - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile	
SF101-A3-1-Skim Coat	BLDG 101 - OFFICE 1 - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile	
SF101-A4-1-Drywall	BLDG 101 - COPY ROOM - SKIM COAT/ DRYWALL/JOINT COMPOUND	Brown/White Fibrous Homogeneous	15% Cellulose	40% Gypsum 45% Non-fibrous (Other)	None Detected	
SF101-A4-1-Joint Compound	BLDG 101 - COPY ROOM - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile	



Project ID:

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

			Non-Asbe	<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF101-A4-1-Skim Coat	BLDG 101 - COPY ROOM - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile
SF101-A5-1-Drywall	BLDG 101 - CLOSET - SKIM COAT/ DRYWALL/JOINT COMPOUND	Brown/White Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
SF101-A5-1-Joint Compound	BLDG 101 - CLOSET - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile
SF101-A5-1-Skim Coat	BLDG 101 - CLOSET - SKIM COAT/ DRYWALL/JOINT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile
SF101-A6-2-Drywall	BLDG 101 - MECHANICAL ROOM - N - SKIM COAT/DRYWALL/JOI NT COMPOUND	Brown/White Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
SF101-A6-2-Joint Compound	BLDG 101 - MECHANICAL ROOM - N - SKIM COAT/DRYWALL/JOI NT COMPOUND				Layer Not Present
SF101-A6-2-Skim Coat	BLDG 101 - MECHANICAL ROOM - N - SKIM COAT/DRYWALL/JOI NT COMPOUND				Layer Not Present
SF101-A7-2-Drywall	BLDG 101 - MECHANICAL ROOM - W - SKIM COAT/DRYWALL/JOI NT COMPOUND	Brown/White Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
SF101-A7-2-Joint Compound	BLDG 101 - MECHANICAL ROOM - W - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile
SF101-A7-2-Skim Coat	BLDG 101 - MECHANICAL ROOM - W - SKIM COAT/DRYWALL/JOI NT COMPOUND				Layer Not Present
SF101-A8-2-Drywall	BLDG 101 - MECHANICAL ROOM - E - SKIM COAT/DRYWALL/JOI NT COMPOUND	Brown/White Fibrous Homogeneous	15% Cellulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
SF101-A8-2-Joint Compound	BLDG 101 - MECHANICAL ROOM - E - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile

Project ID:

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

			Non-Asi	<u>bestos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF101-A8-2-Skim Coat	BLDG 101 - MECHANICAL ROOM - E - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile
SF101-A9-3 092110039-0009	BLDG 101 - OFFICE 2 - TEXTURING	White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
SF101-A10-3-Texture	BLDG 101 - OFFICE 2 - TEXTURING	White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A10-3-Mastic	BLDG 101 - OFFICE	Yellow		80% Matrix	None Detected
092110039-0010A	2 - TEXTURING	Non-Fibrous Homogeneous		20% Non-fibrous (Other)	None Beledied
SF101-A10-3-Mastic 2	BLDG 101 - OFFICE 2 - TEXTURING	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A11-4	BLDG 101 - OFFICE 2 - WEST - 1'X1'	White Fibrous	70% Glass	30% Non-fibrous (Other)	None Detected
092110039-0011 SF101-A12-4 092110039-0012	WORMHOLD ACT BLDG 101 - OFFICE 2 - WEST - 1'X1' WORMHOLD ACT	Homogeneous White Fibrous Homogeneous	70% Glass	30% Non-fibrous (Other)	None Detected
SF101-A13-5-Cove Base	BLDG 101 - COPY ROOM - 4" TAN CB + BROWN MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A13-5-Mastic	BLDG 101 - COPY ROOM - 4" TAN CB +	Brown Non-Fibrous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A14-5-Cove Base	BROWN MASTIC BLDG 101 - COPY ROOM - 4" TAN CB + BROWN MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
092110039-0014 SF101-A14-5-Mastic	BLDG 101 - COPY ROOM - 4" TAN CB + BROWN MASTIC	Brown Non-Fibrous		80% Matrix 20% Non-fibrous (Other)	None Detected
992110039-0014A SF101-A15-6-Floor Tile 092110039-0015	BLDG 101 - COPY ROOM - 12"X12" WHITE FT + BLACK MASTIC	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
SF101-A15-6-Mastic	BLDG 101 - COPY ROOM - 12"X12" WHITE FT + BLACK MASTIC	Black Non-Fibrous Homogeneous		98% Non-fibrous (Other)	2% Chrysotile
SF101-A16-6-Floor Tile	BLDG 101 - COPY ROOM - 12"X12" WHITE FT + BLACK MASTIC	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
SF101-A16-6-Mastic	BLDG 101 - COPY ROOM - 12"X12" WHITE FT + BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile
SF101-A17-7-Cove Base	BLDG 101 - OFFICE 4 - 4" BLUE CB + TAN MASTIC	Blue Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected



Project ID:

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

0	Description		Non-Asbe		Asbestos
Sample	Description BLDG 101 - OFFICE	Appearance	% Fibrous	% Non-Fibrous 80% Matrix	% Type
SF101-A17-7-Mastic	4 - 4" BLUE CB + TAN MASTIC	Tan Non-Fibrous Homogeneous		20% Non-fibrous (Other)	None Detected
SF101-A18-7-Cove Base	BLDG 101 - OFFICE 4 - 4" BLUE CB +	Blue Non-Fibrous		80% Matrix 20% Non-fibrous (Other)	None Detected
092110039-0018	TAN MASTIC	Homogeneous			
SF101-A18-7-Mastic	BLDG 101 - OFFICE 4 - 4" BLUE CB +	Tan Non-Fibrous		80% Matrix 20% Non-fibrous (Other)	None Detected
092110039-0018A	TAN MASTIC	Homogeneous			
SF101-A19-8 092110039-0019	BLDG 101 - CONFERENCE ROOM - EAST - YELLOW CARPET MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A20-8 092110039-0020	BLDG 101 - CONFERENCE ROOM - EAST - YELLOW CARPET MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A21-9-Linoleum 092110039-0021	BLDG 101 - CORRIDOR - BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	Tan Fibrous Homogeneous	10% Cellulose	70% Matrix 20% Non-fibrous (Other)	None Detected
This is a composite result of bo	oth vinyl and backing layer				
SF101-A21-9-Mastic 092110039-0021A	BLDG 101 - CORRIDOR - BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A21-9-Floor Tile	BLDG 101 -	Tan		80% Matrix	<1% Chrysotile
092110039-0021B	CORRIDOR - BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	Non-Fibrous Homogeneous		20% Non-fibrous (Other)	,
SF101-A21-9-Mastic	BLDG 101 -	Black		80% Matrix	3% Chrysotile
092110039-0021C	CORRIDOR - BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	Non-Fibrous Homogeneous		17% Non-fibrous (Other)	
SF101-A22-9-Linoleum	BLDG 101 - CORRIDOR -	White Fibrous	10% Cellulose	70% Matrix 20% Non-fibrous (Other)	None Detected
092110039-0022	BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	Homogeneous			
This is a composite result of bo					
SF101-A22-9-Mastic	BLDG 101 - CORRIDOR - BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	Clear Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected



EMSL Order: 092110039 **Customer ID:** MECA62 **Customer PO:** KE210701-2

Project ID:

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

Sample	Description		Non-Asbes	stos	<u>Asbestos</u>
		Appearance	% Fibrous	% Non-Fibrous	% Type
SF101-A22-9-Floor Tile	BLDG 101 - CORRIDOR - BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	<1% Chrysotile
SF101-A22-9-Mastic	BLDG 101 - CORRIDOR - BROWN MOSAIC SHEET FLOORING + 12X12 WHITE VFT + BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile
SF101-A23-10-Linoleum 092110039-0023	BLDG 101 - JANITORS CLOSET - BROWN SPECKLED SHEET FLOORING + GROUT	Gray/Tan Fibrous Homogeneous	15% Cellulose	60% Matrix 5% Non-fibrous (Other)	20% Chrysotile
This is a composite result of bo	oth vinyl and backing layer				
SF101-A23-10-Mastic	BLDG 101 - JANITORS CLOSET - BROWN SPECKLED SHEET FLOORING + GROUT	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A24-10 092110039-0024	BLDG 101 - JANITORS CLOSET - BROWN SPECKLED SHEET FLOORING + GROUT	Tan/White Fibrous Homogeneous	15% Cellulose	60% Matrix 5% Non-fibrous (Other)	20% Chrysotile
SF101-A25-11	BLDG 101 - EXTERIOR - N - CEMENT PAD	Gray Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
SF101-A26-11	BLDG 101 - EXTERIOR - N - CEMENT PAD	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
SF101-A27-12	BLDG 101 - ROOF - PENETRATION MASTIC	Black Non-Fibrous Homogeneous	20% Cellulose	60% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A28-12	BLDG 101 - ROOF - PENETRATION MASTIC	Black Non-Fibrous Homogeneous	20% Cellulose	60% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A29-13	BLDG 101 - ROOF - ASPHALIC ROOFING SHINGLE	Black Fibrous Homogeneous	15% Glass	5% Quartz 20% Ca Carbonate 40% Matrix 20% Non-fibrous (Other)	None Detected
SF101-A30-13 092110039-0030	BLDG 101 - ROOF - ASPHALIC ROOFING SHINGLE	Black Fibrous Homogeneous	10% Cellulose 10% Glass	5% Quartz 20% Ca Carbonate 30% Matrix	None Detected
				25% Non-fibrous (Other)	
SF101-A31-13 092110039-0031	BLDG 101 - ROOF - ASPHALIC ROOFING SHINGLE	Black Fibrous Homogeneous	10% Cellulose 10% Glass	5% Quartz 15% Ca Carbonate 30% Matrix 30% Non-fibrous (Other)	None Detected
SF202-A1-14 092110039-0032	BLDG 202 - NW - CEMENT PAD	Gray Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
SF202-A2-14	BLDG 202 - NE - CEMENT PAD	Homogeneous Gray Non-Fibrous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
092110039-0033		Homogeneous			

Project ID:

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

				Non-Asbes	<u>tos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous		% Non-Fibrous	% Type
SF203-A1-15-Drywall	BLDG 203 - OFFICE - CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	Brown/White Fibrous Homogeneous	15% Cell	ulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
SF203-A1-15-Joint Compound	BLDG 203 - OFFICE - CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous			60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile
SF203-A1-15-Skim Coat	BLDG 203 - OFFICE - CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	Tan Non-Fibrous Homogeneous			60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
SF203-A2-15-Drywall	BLDG 203 - CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	Brown/White Fibrous Homogeneous	15% Cell	ulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
SF203-A2-15-Joint Compound	BLDG 203 - CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous			60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
SF203-A2-15-Skim Coat	BLDG 203 - CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	Tan Non-Fibrous Homogeneous			60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
SF203-A3-15-Drywall	BLDG 203 - WALL - SKIM COAT/DRYWALL/JOI NT COMPOUND	Brown/White Fibrous Homogeneous	15% Cell	ulose	60% Gypsum 25% Non-fibrous (Other)	None Detected
SF203-A3-15-Joint Compound	BLDG 203 - WALL - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous			60% Ca Carbonate 40% Non-fibrous (Other)	<1% Chrysotile
SF203-A3-15-Skim Coat	BLDG 203 - WALL - SKIM COAT/DRYWALL/JOI NT COMPOUND	Tan Non-Fibrous Homogeneous			60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
SF203-A4-16 092110039-0037	BLDG 203 - MAIN ROOM - SURFACING TEXTURE	Tan Non-Fibrous Homogeneous			60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
SF203-A5-16 092110039-0038	BLDG 203 - MAIN ROOM - S - SURFACING TEXTURE	Tan Non-Fibrous Homogeneous			60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
SF203-A6-16 092110039-0039	BLDG 203 - MAIN ROOM - W - SURFACING TEXTURE	Tan Non-Fibrous Homogeneous			60% Ca Carbonate 38% Non-fibrous (Other)	2% Chrysotile
SF203-A7-17	BLDG 203 - EXTERIOR - S -	Gray Non-Fibrous			40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
092110039-0040	CEMENT PAD	Homogeneous			400/ 0 0 1 :	N. Birir
SF203-A8-17 092110039-0041	BLDG 203 - INTERIOR - CENTER - CEMENT PAD	Gray Non-Fibrous Homogeneous			40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
SF204-A1-18	BLDG 203 - EXTERIOR - NE -	Gray Non-Fibrous			60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
092110039-0042 SF204-A2-18	BLDG 203 -	Homogeneous Gray			60% Ca Carbonate	None Detected
092110039-0043	EXTERIOR - NW - CEMENT PAD	Non-Fibrous Homogeneous			40% Non-fibrous (Other)	



Project ID:

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

			Non-A	Non-Asbestos		
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
SF205-A1-19-Drywall	BLDG 205 - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected	
SF205-A1-19-Joint Compound	BLDG 205 - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
092110039-0044A	DI DO COS CIVINA	T 04/1:11		000/ 0 - 0 - 1 1	00/ 01	
SF205-A1-19-Skim Coat	BLDG 205 - SKIM COAT/DRYWALL/JOI NT COMPOUND	Tan/White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
SF205-A2-19-Drywall	BLDG 205 - SKIM COAT/DRYWALL/JOI	White Non-Fibrous		80% Gypsum 20% Non-fibrous (Other)	None Detected	
992110039-0045 SF205-A2-19-Joint Compound	NT COMPOUND BLDG 205 - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
092110039-0045A						
SF205-A2-19-Skim Coat	BLDG 205 - SKIM COAT/DRYWALL/JOI NT COMPOUND	Tan/White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
SF205-A3-19-Drywall	BLDG 205 - SKIM COAT/DRYWALL/JOI	White Non-Fibrous		80% Gypsum 20% Non-fibrous (Other)	None Detected	
092110039-0046	NT COMPOUND	Homogeneous				
SF205-A3-19-Joint Compound	BLDG 205 - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
092110039-0046A						
SF205-A3-19-Skim Coat	BLDG 205 - SKIM COAT/DRYWALL/JOI NT COMPOUND	Tan/White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
SF205-A4-19-Drywall	BLDG 205 - SKIM COAT/DRYWALL	White Non-Fibrous		80% Gypsum 20% Non-fibrous (Other)	None Detected	
092110039-0047		Homogeneous				
SF205-A4-19-Joint Compound	BLDG 205 - SKIM COAT/DRYWALL	White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
092110039-0047A	DI DO COS CIUNA	\ \ \		000/ 0 - 0 - 1	20/ 21	
SF205-A4-19-Skim Coat	BLDG 205 - SKIM COAT/DRYWALL	White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
SF205-A5-19-Drywall	BLDG 205 - SKIM COAT/DRYWALL	White Non-Fibrous		80% Gypsum 20% Non-fibrous (Other)	None Detected	
092110039-0048	DI DO COST. COMMITTE	Homogeneous		2007 2 2 3	00/ 51	
SF205-A5-19-Skim Coat	BLDG 205 - SKIM COAT/DRYWALL	Tan/White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile	
SF205-A6-20-Drywall	BLDG 205 -	White		80% Gypsum	None Detected	
092110039-0049	BREAKROOM - POPCORN CEILING	Non-Fibrous Homogeneous		20% Non-fibrous (Other)		
SF205-A6-20-Popcorn Ceiling	BLDG 205 - BREAKROOM - POPCORN CEILING	Tan/White Non-Fibrous Homogeneous		70% Ca Carbonate 10% Micaceous Flakes 16% Non-fibrous (Other)	4% Chrysotile	
092110039-0049A				()		
SF205-A7-20-Drywall	BLDG 205 - BREAKROOM - POPCORN CEILING	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected	
	. J. CC CEIEI110					



Project ID:

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

		Non-Asbestos			<u>Asbestos</u>	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
SF205-A7-20-Popcorn Ceiling	BLDG 205 - BREAKROOM -	White Non-Fibrous		70% Ca Carbonate 10% Micaceous Flakes	4% Chrysotile	
092110039-0050A	POPCORN CEILING	Homogeneous		16% Non-fibrous (Other)		
SF205-A8-21-Floor Tile	BLDG 205 -	Tan		60% Matrix	2% Chrysotile	
092110039-0051	BREAKROOM - 12"X12" TAN FT + BLACK MASTIC	Non-Fibrous Homogeneous		38% Non-fibrous (Other)	ŕ	
SF205-A8-21-Mastic	BLDG 205 - BREAKROOM - 12"X12" TAN FT +	Black Non-Fibrous Homogeneous		80% Matrix 17% Non-fibrous (Other)	3% Chrysotile	
	BLACK MASTIC					
SF205-A9-21-Floor Tile	BLDG 205 - BREAKROOM - 12"X12" TAN FT + BLACK MASTIC	Tan Non-Fibrous Homogeneous		60% Matrix 38% Non-fibrous (Other)	2% Chrysotile	
SF205-A9-21-Mastic	BLDG 205 - BREAKROOM - 12"X12" TAN FT + BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 17% Non-fibrous (Other)	3% Chrysotile	
SF205-A10-22-Cove Base	BLDG 205 - BREAKROOM - 4" BARK BROWN CB + BROWN MASTIC	Brown Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected	
092110039-0053	BLDG 205 -	Proun		80% Matrix	20/ Charactile	
SF205-A10-22-Mastic	BLDG 205 - BREAKROOM - 4" BARK BROWN CB + BROWN MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile	
SF205-A10-22-Compou nd 092110039-0053B	BLDG 205 - BREAKROOM - 4" BARK BROWN CB + BROWN MASTIC	Tan Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	<1% Chrysotile	
SF205-A11-22-Cove Base	BLDG 205 - BREAKROOM - 4" BARK BROWN CB + BROWN MASTIC	Brown Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected	
SF205-A11-22-Mastic	BLDG 205 - BREAKROOM - 4" BARK BROWN CB + BROWN MASTIC	Brown Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile	
SF205-A11-22-Compou nd 092110039-0054B	BLDG 205 - BREAKROOM - 4" BARK BROWN CB + BROWN MASTIC	Tan Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	<1% Chrysotile	
SF205-A12-23-Floor Tile	BLDG 205 - OFFICE - 12"X12" TAN FT + BLACK MASTIC	Tan Non-Fibrous Homogeneous		60% Matrix 38% Non-fibrous (Other)	2% Chrysotile	
092110039-0055 SE205 A12 22 Montin	PLDC 205 OFFICE	Plack		909/ Matrix	50/ Charactile	
SF205-A12-23-Mastic	BLDG 205 - OFFICE - 12"X12" TAN FT + BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 15% Non-fibrous (Other)	5% Chrysotile	
SF205-A13-23-Floor Tile	BLDG 205 - OFFICE - 12"X12" TAN FT + BLACK MASTIC	Tan Non-Fibrous Homogeneous		60% Matrix 38% Non-fibrous (Other)	2% Chrysotile	
092110039-0056 SF205-A13-23-Mastic	BLDG 205 - OFFICE - 12"X12" TAN FT +	Black Non-Fibrous		80% Matrix 15% Non-fibrous (Other)	5% Chrysotile	
092110039-0056A	BLACK MASTIC	Homogeneous				



Project ID:

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

		Non-Asbestos			Asbestos	
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type	
SF205-A14-24-Fireproof ing	BLDG 205 - GARAGE - FIREPROOFING	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
092110039-0057						
SF205-A14-24-Membra ne	BLDG 205 - GARAGE - FIREPROOFING	Tan/White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected	
092110039-0057A		Homogeneous				
SF205-A15-24-Fireproof ing	BLDG 205 - GARAGE - FIREPROOFING	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
092110039-0058						
SF205-A15-24-Membra ne	BLDG 205 - GARAGE - FIREPROOFING	Tan/White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected	
SF205-A16-24-Fireproof ing	BLDG 205 - GARAGE - FIREPROOFING	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
SF205-A16-24-Membra ne	BLDG 205 - GARAGE - FIREPROOFING	Tan/White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected	
092110039-0059A						
SF205-A17-24-Fireproof ing	BLDG 205 - GARAGE - FIREPROOFING	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
092110039-0060						
SF205-A17-24-Membra ne	BLDG 205 - GARAGE - FIREPROOFING	Tan/White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected	
092110039-0060A						
SF205-A18-24-Fireproof ing	BLDG 205 - GARAGE - FIREPROOFING	Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected	
092110039-0061						
SF205-A18-24-Membra ne	BLDG 205 - GARAGE - FIREPROOFING	Tan/White Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected	
092110039-0061A	DI DC 205	Cray		200/ 0005-1-	None Detected	
SF205-A19-25 092110039-0062	BLDG 205 - INTERIOR - GARAGE - CEMENT PAD	Gray Non-Fibrous Heterogeneous		20% Quartz 50% Ca Carbonate 30% Non-fibrous (Other)	None Detected	
SF205-A20-25	BLDG 205 - INTERIOR -	Gray Non-Fibrous		20% Quartz 50% Ca Carbonate	None Detected	
092110039-0063	GARAGE - CEMENT PAD	Heterogeneous		30% Non-fibrous (Other)		
SF206-A1-26-Drywall 092110039-0064	BLDG 206 - LAB ROOM - CEILING - E - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected	
SF206-A1-26-Joint Compound	BLDG 206 - LAB ROOM - CEILING - E - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected	



Project ID:

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

Sample	Description	Appearance	<u>Non-A</u> % Fibrous	sbestos % Non-Fibrous	<u>Asbestos</u> % Type
SF206-A1-26-Skim Coat	BLDG 206 - LAB ROOM - CEILING - E - SKIM COAT/DRYWALL/JOI	White Non-Fibrous Homogeneous	% Fibious	80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF206-A2-26-Drywall	NT COMPOUND BLDG 206 - LAB ROOM - CEILING - S - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
SF206-A2-26-Joint Compound 1 092110039-0065A	BLDG 206 - LAB ROOM - CEILING - S - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF206-A2-26-Joint Compound 2	BLDG 206 - LAB ROOM - CEILING - S - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF206-A2-26-Skim Coat	BLDG 206 - LAB ROOM - CEILING - S - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF206-A3-26-Drywall	BLDG 206 - LAB ROOM - CEILING - N - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
SF206-A3-26-Joint Compound	BLDG 206 - LAB ROOM - CEILING - N - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF206-A3-26-Skim Coat	BLDG 206 - LAB ROOM - CEILING - N - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF206-A4-27-Texture	BLDG 206 - LAB ROOM - N WALL - TEXTURING	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF206-A4-27-Mastic	BLDG 206 - LAB ROOM - N WALL - TEXTURING	Beige Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
SF206-A5-27	BLDG 206 - LAB ROOM - CEILING - TEXTURING	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF206-A6-28-Floor Tile	BLDG 206 - LAB ROOM - N - 12"X12" TAN FT + BLACK MASTIC	Beige Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
SF206-A6-28-Mastic	BLDG 206 - LAB ROOM - N - 12"X12" TAN FT + BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected



Project ID:

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

			Non-As	sbestos	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF206-A7-28-Floor Tile	BLDG 206 - LAB ROOM - N - 12"X12" TAN FT + BLACK MASTIC	Beige Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
SF206-A7-28-Mastic	BLDG 206 - LAB ROOM - N - 12"X12"	Black Non-Fibrous		80% Matrix 20% Non-fibrous (Other)	None Detected
092110039-0070A	TAN FT + BLACK MASTIC	Homogeneous			
SF206-A8-29-Cove Base	BLDG 206 - LAB ROOM - 4" BROWN CB + TAN MASTIC	Brown Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
092110039-0071					
SF206-A8-29-Mastic	BLDG 206 - LAB ROOM - 4" BROWN	Beige Non-Fibrous		70% Matrix 30% Non-fibrous (Other)	None Detected
092110039-0071A	CB + TAN MASTIC	Homogeneous			
SF206-A9-29-Cove Base	BLDG 206 - LAB ROOM - 4" BROWN CB + TAN MASTIC	Brown Non-Fibrous Homogeneous		60% Matrix 40% Non-fibrous (Other)	None Detected
092110039-0072					
SF206-A9-29-Mastic	BLDG 206 - LAB ROOM - 4" BROWN CB + TAN MASTIC	Beige Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
SF206-A10-30	BLDG 206 - EAST			20% Quartz	None Detected
092110039-0073	EXTERIOR - CEMENT PAD	Gray Non-Fibrous Heterogeneous		50% Ca Carbonate 30% Non-fibrous (Other)	None Detected
SF206-A11-30	BLDG 206 - EAST EXTERIOR -	White Non-Fibrous		20% Quartz 50% Ca Carbonate	None Detected
092110039-0074	CEMENT PAD	Heterogeneous		30% Non-fibrous (Other)	
SF206-A12-31 092110039-0075	BLDG 206 - GARAGE - CEMENT PAD	Gray Non-Fibrous Heterogeneous		20% Quartz 50% Ca Carbonate 30% Non-fibrous (Other)	None Detected
SF206-A13-31	BLDG 206 - GARAGE	Gray		20% Quartz	None Detected
092110039-0076	- CEMENT PAD	Non-Fibrous Heterogeneous		50% Ca Carbonate 30% Non-fibrous (Other)	None Beledied
SF207-A1-32	BLDG 207 - EAST - CEMENT PAD	Gray Non-Fibrous		30% Quartz 50% Ca Carbonate	None Detected
092110039-0077		Homogeneous		20% Non-fibrous (Other)	
SF207-A2-32	BLDG 207 - EAST - CEMENT PAD	Gray Non-Fibrous		30% Quartz 50% Ca Carbonate	None Detected
092110039-0078	DI DO 007 5407	Homogeneous		20% Non-fibrous (Other)	Non-But 1
SF207-A3-33 092110039-0079	BLDG 207 - EAST - CEMENT PAD W/ TEXTURE	Gray Non-Fibrous Homogeneous		30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF207-A4-33	BLDG 207 - EAST - CEMENT PAD W/	Gray Non-Fibrous		30% Quartz 50% Ca Carbonate	None Detected
092110039-0080	TEXTURE	Homogeneous		20% Non-fibrous (Other)	
SF208-A1-34	BLDG 208 - E - CEMENT FOOTING	Tan Non-Fibrous		20% Quartz 50% Ca Carbonate	None Detected
092110039-0081		Heterogeneous		30% Non-fibrous (Other)	
SF208-A2-34 092110039-0082	BLDG 208 - W - CEMENT FOOTING	Tan Non-Fibrous		20% Quartz 50% Ca Carbonate	None Detected
	BLDG 211 - VAULT	Heterogeneous		30% Non-fibrous (Other) 30% Quartz	None Detected
SF211-A1-35 092110039-0083	COVER - CEMENT VAULT COVER	Gray Non-Fibrous Homogeneous		50% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF211-A2-35	BLDG 211 - VAULT COVER - CEMENT	Gray Non-Fibrous		30% Quartz 50% Ca Carbonate	None Detected
092110039-0084	VAULT COVER	Homogeneous		20% Non-fibrous (Other)	



Project ID:

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

Sample	Description	Appearance	<u>Non-A</u> % Fibrous	<u>sbestos</u> % Non-Fibrous	<u>Asbestos</u> % Type
F211-A3-36	BLDG 211 - N -	Gray		40% Quartz	None Detected
092110039-0085	CEMENT PAD	Non-Fibrous Homogeneous		40% Ca Carbonate 20% Non-fibrous (Other)	
SF211-A4-36	BLDG 211 - N - CEMENT PAD	Gray Non-Fibrous		40% Quartz 40% Ca Carbonate	None Detected
092110039-0086		Homogeneous		20% Non-fibrous (Other)	
SF212-A1-37-Cement Pad	BLDG 212 - NE - CEMENT PAD	Gray Non-Fibrous Homogeneous		40% Quartz 45% Ca Carbonate 15% Non-fibrous (Other)	None Detected
92110039-0087		Homogeneous		1070 Non-librous (Guller)	
SF212-A1-37-Cementici ous Material	BLDG 212 - NE - CEMENT PAD	Tan Non-Fibrous Homogeneous		70% Quartz 10% Ca Carbonate 20% Non-fibrous (Other)	None Detected
92110039-0087A					
SF212-A2-37	BLDG 212 - NE - CEMENT PAD	Gray Non-Fibrous		40% Quartz 45% Ca Carbonate	None Detected
992110039-0088 BF213-A1-38	BLDG 213 - CEMENT PAD	Homogeneous Gray Non-Fibrous		15% Non-fibrous (Other) 40% Quartz 45% Ca Carbonate	None Detected
092110039-0089		Homogeneous		15% Non-fibrous (Other)	
SF213-A2-38	BLDG 213 - CEMENT PAD	Gray Non-Fibrous		40% Quartz 45% Ca Carbonate	None Detected
92110039-0090		Homogeneous		15% Non-fibrous (Other)	
SF214-A1-39-Drywall	BLDG 214 - WASH ROOM - CENTER - SKIM	Tan Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
	COAT/DRYWALL/JOI NT COMPOUND				
SF214-A1-39-Joint Compound	BLDG 214 - WASH ROOM - CENTER - SKIM	Tan Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
092110039-0091A	COAT/DRYWALL/JOI NT COMPOUND				
SF214-A1-39-Skim Coat	BLDG 214 - WASH ROOM - CENTER -	Tan Non-Fibrous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
092110039-0091B	SKIM COAT/DRYWALL/JOI NT COMPOUND	Homogeneous			
SF214-A2-39-Drywall	BLDG 214 - WASH ROOM - CENTER -	Brown Non-Fibrous		80% Gypsum 20% Non-fibrous (Other)	None Detected
092110039-0092	SKIM COAT/DRYWALL/JOI NT COMPOUND	Homogeneous			
SF214-A2-39-Joint Compound	BLDG 214 - WASH ROOM - CENTER - SKIM				Layer Not Present
092110039-0092A	COAT/DRYWALL/JOI NT COMPOUND				
SF214-A2-39-Skim Coat	BLDG 214 - WASH ROOM - CENTER -	White Non-Fibrous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile
092110039-0092B	SKIM COAT/DRYWALL/JOI NT COMPOUND	Homogeneous		.c// Not-in/ods (Odio)	
SF214-A3-40	BLDG 214 - WASH ROOM - DRYWALL	White Non-Fibrous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile
092110039-0093	PATCH	Homogeneous			
SF214-A4-40 092110039-0094	BLDG 214 - WASH ROOM - DRYWALL PATCH	White Non-Fibrous Homogeneous		80% Ca Carbonate 18% Non-fibrous (Other)	2% Chrysotile



Project ID:

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

		Non-Asbestos			<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF214-A5-41	BLDG 214 - EXTERIOR CENTER	Tan Fibrous	60% Cellulose 15% Synthetic	25% Non-fibrous (Other)	None Detected
092110039-0095	- NEAR DOOR - PIPE WRAP	Heterogeneous			
Result includes a small amo	ount of inseparable attached mat	erial			
SF214-A6-41 092110039-0096	BLDG 214 - EXTERIOR CENTER - NEAR DOOR - PIPE	Tan Fibrous Heterogeneous	60% Cellulose 15% Synthetic	25% Non-fibrous (Other)	None Detected
Result includes a small amo	WRAP ount of inseparable attached mat	erial			
SF214-A7-42	BLDG 214 - DOOR -	Tan		10% Ca Carbonate	None Detected
092110039-0097	WHITE CAULKING	Non-Fibrous Homogeneous		75% Matrix 15% Non-fibrous (Other)	
SF214-A8-42	BLDG 214 - DOOR -	Tan		10% Ca Carbonate	None Detected
092110039-0098	WHITE CAULKING	Non-Fibrous Homogeneous		75% Matrix 15% Non-fibrous (Other)	Nelle Belletied
SF214-A9-43	BLDG 214 - NW -	Gray		40% Quartz	None Detected
092110039-0099	CEMENT PAD	Non-Fibrous Homogeneous		40% Ca Carbonate 20% Non-fibrous (Other)	.155 20.00.00
SF214-A10-43	BLDG 214 - SE -	Gray		40% Quartz	None Detected
51 2 14 7 (10 40	CEMENT PAD	Non-Fibrous		40% Ca Carbonate	20.00.00
092110039-0100		Homogeneous		20% Non-fibrous (Other)	
SF216-A1-44	BLDG 216 - N - PIPE WRAP	Black/Silver Non-Fibrous		80% Matrix 20% Non-fibrous (Other)	None Detected
092110039-0101		Homogeneous			
SF216-A2-44	BLDG 216 - N - PIPE WRAP	Black/Silver Non-Fibrous		80% Matrix 20% Non-fibrous (Other)	None Detected
092110039-0102		Homogeneous			
SF216-A3-45	BLDG 216 - N - CEMENT PAD	Gray Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
092110039-0103		Homogeneous			
SF216-A4-45	BLDG 216 - W - CEMENT PAD	Gray Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
092110039-0104		Homogeneous			
SF216-A5-46	BLDG 216 - EXTERIOR CMU -	Gray/Red Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
092110039-0105	CMU	Homogeneous			
SF216-A6-46-CMU	BLDG 216 - EXTERIOR CMU -	Gray/Red Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
092110039-0106 SE216 A6 46 CMIL	CMU PLDC 216	Homogeneous		400/ Ca Carbanata	None Detected
SF216-A6-46-CMU Mortar	BLDG 216 - EXTERIOR CMU - CMU	Gray Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
092110039-0106A					
SF216-A7-46	BLDG 216 - EXTERIOR CMU -	Gray Non-Fibrous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
092110039-0107	CMU MORTAR	Homogeneous			
SF216-A8-46	BLDG 216 - EXTERIOR CMU -	Gray Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
092110039-0108	CMU MORTAR	Homogeneous			
SF217-A1-47	BLDG 217 - INTERIOR - CEMENT	Gray Non-Fibrous		40% Quartz 40% Ca Carbonate	None Detected
092110039-0109	PAD	Homogeneous		20% Non-fibrous (Other)	
SF217-A2-47	BLDG 217 - INTERIOR - CEMENT	Gray Non-Fibrous		40% Quartz 40% Ca Carbonate	None Detected
092110039-0110	PAD	Homogeneous		20% Non-fibrous (Other)	

Project ID:

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

			Non-Asbe	<u>stos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF217-A3-48 092110039-0111	BLDG 217 - INTERIOR - CEMENT FOOTING	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF217-A4-48	BLDG 217 - INTERIOR - CEMENT FOOTING	Gray Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF304-A1-49-Skim Coat	BLDG 304 - BEDROOM 1 CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	<1% Chrysotile
SF304-A1-49-Joint Compound 092110039-0113A	BLDG 304 - BEDROOM 1 CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	<1% Chrysotile
SF304-A1-49-Drywall	BLDG 304 - BEDROOM 1 CEILING - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous	2% Cellulose	80% Gypsum 18% Non-fibrous (Other)	None Detected
SF304-A2-49-Skim Coat	BLDG 304 - BEDROOM 1 WALL - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	<1% Chrysotile
SF304-A2-49-Joint Compound	BLDG 304 - BEDROOM 1 WALL - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	<1% Chrysotile
SF304-A2-49-Drywall	BLDG 304 - BEDROOM 1 WALL - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous	2% Cellulose	80% Gypsum 18% Non-fibrous (Other)	None Detected
SF304-A3-49-Skim Coat	BLDG 304 - BEDROOM 2 - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	<1% Chrysotile
SF304-A3-49-Joint Compound	BLDG 304 - BEDROOM 2 - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	<1% Chrysotile
SF304-A3-49-Drywall	BLDG 304 - BEDROOM 2 - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous	2% Cellulose	80% Gypsum 18% Non-fibrous (Other)	None Detected
SF304-A4-49-Skim Coat	BLDG 304 - CLOSET - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		70% Ca Carbonate 28% Non-fibrous (Other)	2% Chrysotile
SF304-A4-49-Joint Compound	BLDG 304 - CLOSET - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous		80% Ca Carbonate 20% Non-fibrous (Other)	<1% Chrysotile



Project ID:

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

Sample			Non-Asbe	<u>stos</u>	<u>Asbestos</u>
	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF304-A4-49-Drywall	BLDG 304 - CLOSET - SKIM COAT/DRYWALL/JOI NT COMPOUND	White Non-Fibrous Homogeneous	3% Cellulose	80% Gypsum 17% Non-fibrous (Other)	None Detected
SF304-A5-50-Floor Tile	BLDG 304 - BEDROOM (UNDERNEATH CARPET) - 12"X12" WHITE FT + BLACK MASTIC	White Non-Fibrous Homogeneous		40% Ca Carbonate 30% Matrix 30% Non-fibrous (Other)	<1% Chrysotile
SF304-A5-50-Mastic	BLDG 304 - BEDROOM (UNDERNEATH CARPET) - 12"X12" WHITE FT + BLACK MASTIC	Brown/Black Non-Fibrous Homogeneous		5% Ca Carbonate 80% Matrix 15% Non-fibrous (Other)	None Detected
SF304-A6-50-Floor Tile	BLDG 304 - BEDROOM (UNDERNEATH CARPET) - 12"X12" WHITE FT + BLACK MASTIC	White Non-Fibrous Homogeneous		40% Ca Carbonate 30% Matrix 30% Non-fibrous (Other)	<1% Chrysotile
SF304-A6-50-Mastic	BLDG 304 - BEDROOM (UNDERNEATH CARPET) - 12"X12" WHITE FT + BLACK MASTIC	Black Non-Fibrous Homogeneous		5% Ca Carbonate 80% Matrix 15% Non-fibrous (Other)	None Detected
SF304-A7-51-Vinyl Sheet Flooring 1 092110039-0119	BLDG 304 - BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	Brown/Gray Fibrous Homogeneous	10% Cellulose 5% Glass	10% Ca Carbonate 50% Matrix 25% Non-fibrous (Other)	None Detected
This is a composite result of b					
SF304-A7-51-Mastic 1 092110039-0119A Result includes a small amoun	BLDG 304 - BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	Beige Non-Fibrous Homogeneous	2% Glass	10% Ca Carbonate 70% Matrix 18% Non-fibrous (Other)	None Detected



Project ID:

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

Sample	Description		Non-Asbestos		<u>Asbestos</u>
		Appearance	% Fibrous	% Non-Fibrous	% Type
SF304-A7-51-Leveling Compound	BLDG 304 - BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	Gray Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
SF304-A7-51-Vinyl Sheet Flooring 2 092110039-0119C This is a composite result of b	BLDG 304 - BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	White/Beige Fibrous Homogeneous	10% Cellulose 10% Glass	10% Ca Carbonate 40% Matrix 30% Non-fibrous (Other)	None Detected
F304-A7-51-Mastic 2	BLDG 304 -	Beige		60% Matrix	None Detected
092110039-0119D Result includes a small amou	BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	Non-Fibrous Homogeneous		40% Non-fibrous (Other)	None Detected
SF304-A8-51-Vinyl	BLDG 304 -	Brown/Gray	15% Cellulose	15% Ca Carbonate	None Detected
Sheet Flooring 1 092110039-0120	BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	Fibrous Homogeneous	10% Glass	40% Matrix 20% Non-fibrous (Other)	
SF304-A8-51-Mastic 092110039-0120A Result includes a small amoun	BLDG 304 - BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	Beige Non-Fibrous Homogeneous	3% Cellulose	10% Ca Carbonate 70% Matrix 17% Non-fibrous (Other)	None Detected



Project ID:

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

			Non-Asbes	tos	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF304-A8-51-Leveling Compound 092110039-0120B	BLDG 304 - BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	Gray Non-Fibrous Homogeneous		70% Ca Carbonate 30% Non-fibrous (Other)	None Detected
SF304-A8-51-Vinyl Sheet Flooring 2 092110039-0120C This is a composite result of b	BLDG 304 - BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND poth vinyl and backing layer	White/Beige Fibrous Homogeneous	5% Cellulose 10% Glass	10% Ca Carbonate 40% Matrix 35% Non-fibrous (Other)	None Detected
992110039-0120D	BLDG 304 - BEDROOM 3 RESTROOM (2 FLOOR LAYERS) - BROWN VINYL SHEET FLOORING + MASTIC + WHITE VINYL SHEET FLOORING + LEVELING COMPOUND	Beige Non-Fibrous Homogeneous	3% Cellulose 2% Glass	70% Matrix 25% Non-fibrous (Other)	None Detected
SF304-A9-52 092110039-0121	BLDG 304 - BATHROOM - WHITE VINYL SHEET FLOORING	Tan/White Fibrous Homogeneous	15% Cellulose 10% Glass	15% Ca Carbonate 40% Matrix 20% Non-fibrous (Other)	None Detected
SF304-A10-52-Vinyl Sheet Flooring 092110039-0122 This is a composite result of b	BLDG 304 - BATHROOM - WHITE VINYL SHEET FLOORING	Tan/White Fibrous Homogeneous	20% Cellulose 5% Synthetic 5% Glass	10% Ca Carbonate 50% Matrix 10% Non-fibrous (Other)	None Detected
SF304-A10-52-Mastic	BLDG 304 - BATHROOM - WHITE VINYL SHEET FLOORING	Beige Non-Fibrous Homogeneous	10% Cellulose	70% Matrix 20% Non-fibrous (Other)	None Detected
SF304-A11-53-Sheet Flooring 1 092110039-0123 This is a composite result of b	KITCHEN - FAUX 4"X4" TILE SHEET FLOORING + MASTIC poth viny! and backing layer	Gray/Tan Fibrous Homogeneous	25% Cellulose	10% Ca Carbonate 60% Matrix 5% Non-fibrous (Other)	None Detected
SF304-A11-53-Mastic	KITCHEN - FAUX 4"X4" TILE SHEET FLOORING + MASTIC	White Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
SF304-A11-53-Sheet Flooring 2	KITCHEN - FAUX 4"X4" TILE SHEET FLOORING + MASTIC	White Non-Fibrous Homogeneous		15% Ca Carbonate 70% Matrix 15% Non-fibrous (Other)	None Detected

Project ID:

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

			Non-Asbe	<u>stos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF304-A12-53-Sheet Flooring 1 092110039-0124 This is a composite result of E	KITCHEN - FAUX 4"X4" TILE SHEET FLOORING + MASTIC ooth vinyl and backing layer	Gray/Tan/White Fibrous Homogeneous	15% Cellulose 5% Glass	10% Ca Carbonate 50% Matrix 20% Non-fibrous (Other)	None Detected
SF304-A12-53-Mastic	KITCHEN - FAUX 4"X4" TILE SHEET FLOORING + MASTIC	Yellow/Clear Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
SF304-A12-53-Sheet Flooring 2 092110039-0124B This is a composite result of E	KITCHEN - FAUX 4"X4" TILE SHEET FLOORING + MASTIC ooth viny! and backing layer	Gray/Beige Fibrous Homogeneous	15% Cellulose	5% Ca Carbonate 60% Matrix 20% Non-fibrous (Other)	None Detected
SF304-A13-54	EXTERIOR NW WINDOW - WHITE CAULKING	White Non-Fibrous Homogeneous		5% Ca Carbonate 70% Matrix 25% Non-fibrous (Other)	None Detected
SF304-A14-54	EXTERIOR NW WINDOW - WHITE CAULKING	White Non-Fibrous Homogeneous		5% Ca Carbonate 70% Matrix 25% Non-fibrous (Other)	None Detected
SF304-A15-55	EXTERIOR CHIMNEY - CHIMNEY GROUT	Beige Non-Fibrous Homogeneous		40% Quartz 35% Ca Carbonate 25% Non-fibrous (Other)	None Detected
SF304-A16-55 092110039-0128	EXTERIOR CHIMNEY - CHIMNEY GROUT	Beige Non-Fibrous Homogeneous		40% Quartz 30% Ca Carbonate 30% Non-fibrous (Other)	None Detected
SF304-A17-56	INTERIOR CHIMNEY - CHIMNEY GROUT	Gray Non-Fibrous Homogeneous		40% Quartz 30% Ca Carbonate 30% Non-fibrous (Other)	None Detected
SF304-A18-56	INTERIOR CHIIMNEY -	Gray Non-Fibrous		40% Quartz 30% Ca Carbonate 30% Non-fibrous (Other)	None Detected
092110039-0130 SF304-A19-57	CHIMNEY GROUT BLDG 304 - HOUSE - CEMENT PAD	Homogeneous Gray Non-Fibrous		40% Quartz 60% Non-fibrous (Other)	None Detected
092110039-0131 SF304-A20-57	BLDG 304 - HOUSE - CEMENT PAD	Homogeneous Gray Non-Fibrous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
092110039-0132 SF304-A21-58 092110039-0133	BLDG 304 - SW - CEMENT PAD	Gray Non-Fibrous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
092110039-0133 SF304-A22-58 092110039-0134	BLDG 304 - SW - CEMENT PAD	Gray Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
SF304-A23-59 092110039-0135	BLDG 304 - SE FRONT HOUSE - CEMENT PAD	Gray Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
SF304-A24-59	(STONE) BLDG 304 - SE FRONT HOUSE - CEMENT PAD	Gray Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
SF304-A25-60	(STONE) BLDG 304 - PATIO NW - STONE TILE	Gray Non-Fibrous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
092110039-0137	GROUT BLDG 304 - PATIO	Homogeneous Gray		50% Ca Carbonate	None Detected



Project ID:

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

			Non-Asi	<u>pestos</u>	Asbestos
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF304-A27-61 092110039-0139	BLDG 304 - ROOF - CHIMNEY - WHITE CHIMNEY CAULKING	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF304-A28-61 092110039-0140	BLDG 304 - ROOF - CHIMNEY - WHITE CHIMNEY CAULKING	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF304-A29-62	BLDG 304 - ROOF - BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF304-A30-62	BLDG 304 - ROOF - BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF308-A1-63-Drywall	BLDG 308 - BEDROOM #1 CEILING - SKIM/ DRYWALL/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
SF308-A1-63-Joint Compound 092110039-0143A	BLDG 308 - BEDROOM #1 CEILING - SKIM/ DRYWALL/ JOINT COMPOUND	Tan Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile
SF308-A1-63-Skim Coat	BLDG 308 - BEDROOM #1 CEILING - SKIM/ DRYWALL/ JOINT COMPOUND	Tan Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile
SF308-A2-63-Drywall	BLDG 308 - BEDROOM #2 - SKIM/ DRYWALL/ JOINT COMPOUND	Tan Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
SF308-A2-63-Joint Compound	BLDG 308 - BEDROOM #2 - SKIM/ DRYWALL/ JOINT COMPOUND	White Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile
SF308-A2-63-Skim Coat	BLDG 308 - BEDROOM #2 - SKIM/ DRYWALL/ JOINT COMPOUND	White Non-Fibrous Homogeneous		30% Quartz 45% Gypsum 25% Non-fibrous (Other)	<1% Chrysotile
SF308-A3-63-Drywall	BLDG 308 - BEDROOM #2 CEILING - SKIM/ DRYWALL/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
SF308-A3-63-Joint Compound 092110039-0145A	BLDG 308 - BEDROOM #2 CEILING - SKIM/ DRYWALL/ JOINT COMPOUND	Tan Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile
SF308-A3-63-Skim Coat	BLDG 308 - BEDROOM #2 CEILING - SKIM/ DRYWALL/ JOINT COMPOUND	Tan Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile



Project ID:

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

			Non-Asbes	<u>tos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF308-A4-63-Drywall 092110039-0146	BLDG 308 - BEDROOM #1 - W WALL - SKIM/ DRYWALL/ JOINT COMPOUND	Brown Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
SF308-A4-63-Joint Compound 092110039-0146A	BLDG 308 - BEDROOM #1 - W WALL - SKIM/ DRYWALL/ JOINT COMPOUND	Tan Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile
SF308-A4-63-Skim Coat	BLDG 308 - BEDROOM #1 - W WALL - SKIM/ DRYWALL/ JOINT COMPOUND	Tan Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile
SF308-A5-63-Drywall	BLDG 308 - LAUNDRY ROOM - CEILING - SKIM COAT/ DRYWALL/ JOINT COMPOUND	White Non-Fibrous Homogeneous		80% Gypsum 20% Non-fibrous (Other)	None Detected
SF308-A5-63-Joint Compound 092110039-0147A	BLDG 308 - LAUNDRY ROOM - CEILING - SKIM COAT DRYWALL/	Tan Non-Fibrous Homogeneous		30% Quartz 40% Gypsum 30% Non-fibrous (Other)	<1% Chrysotile
SF308-A5-63-Skim Coat	JOINT COMPOUND BLDG 308 -	White		30% Quartz	<1% Chrysotile
092110039-0147B	LAUNDRY ROOM - CEILING - SKIM COAT/ DRYWALL/ JOINT COMPOUND	Non-Fibrous Homogeneous		40% Gypsum 30% Non-fibrous (Other)	
SF308-A6-64 092110039-0148	BLDG 308 - LIVING AREA - 1'X1' WORMHOLE ACT WHITE	White Fibrous Homogeneous	30% Min. Wool	50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF308-A7-64 092110039-0149	BLDG 308 - LIVING AREA - 1'X1' WORMHOLE ACT WHITE	White Fibrous Homogeneous	30% Min. Wool	50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF308-A8-65-Floor Tile	BLDG 308 - HVAC CLOSET (UNDERNEATH FAUX WOOD FLOOR) - 12"X12" TAN FT + YELLOW MASTIC	Tan Non-Fibrous Homogeneous		60% Ca Carbonate 30% Matrix 10% Non-fibrous (Other)	None Detected
SF308-A8-65-Mastic	BLDG 308 - HVAC CLOSET (UNDERNEATH FAUX WOOD FLOOR) - 12"X12" TAN FT + YELLOW MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF308-A9-65-Floor Tile 092110039-0151	BLDG 308 - HVAC CLOSET (UNDERNEATH FAUX WOOD FLOOR) - 12"X12" TAN FT + YELLOW MASTIC	Tan Non-Fibrous Homogeneous		60% Ca Carbonate 30% Matrix 10% Non-fibrous (Other)	None Detected



Project ID:

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

			Non-Asbe	<u>stos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF308-A9-65-Mastic 092110039-0151A	BLDG 308 - HVAC CLOSET (UNDERNEATH FAUX WOOD FLOOR) - 12"X12" TAN FT + YELLOW MASTIC	Yellow Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF308-A10-66-Vinyl Flooring 092110039-0152	BLDG 308 - HVAC CLOSET - FAUX WOOD VINYL FLOORING + MASTIC	Brown/Tan Fibrous Homogeneous	20% Cellulose 6% Glass	50% Matrix 24% Non-fibrous (Other)	None Detected
This is a composite result of I		T		OOO/ Madriu	None Detected
SF308-A10-66-Mastic	BLDG 308 - HVAC CLOSET - FAUX WOOD VINYL FLOORING + MASTIC	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF308-A11-66-Vinyl Flooring 092110039-0153	BLDG 308 - HVAC CLOSET - FAUX WOOD VINYL FLOORING + MASTIC	Brown/Tan Fibrous Homogeneous	20% Cellulose 5% Glass	50% Matrix 25% Non-fibrous (Other)	None Detected
This is a composite result of l					
SF308-A11-66-Mastic	BLDG 308 - HVAC CLOSET - FAUX WOOD VINYL FLOORING + MASTIC	Tan Non-Fibrous Homogeneous		80% Matrix 20% Non-fibrous (Other)	None Detected
SF308-A12-67-Sheet Flooring 092110039-0154 This is a composite result of I	BLDG 308 - RESTROOM #1 - BLUE SHEET FLOORING + MASTIC	Gray/Tan Non-Fibrous Homogeneous	3% Glass	80% Matrix 17% Non-fibrous (Other)	None Detected
SF308-A12-67-Mastic	BLDG 308 -				Insufficient Material
092110039-0154A	RESTROOM #1 - BLUE SHEET FLOORING + MASTIC				mounocht waterial
SF308-A13-67-Sheet Flooring	BLDG 308 - RESTROOM #1 - BLUE SHEET FLOORING +	White/Blue Fibrous Homogeneous	10% Cellulose 7% Glass	15% Ca Carbonate 40% Matrix 28% Non-fibrous (Other)	None Detected
552.70000 0700	MASTIC				
This is a composite result of l	both vinyl and backing layer				
SF308-A13-67-Mastic 092110039-0155A	BLDG 308 - RESTROOM #1 - BLUE SHEET FLOORING + MASTIC	Tan Fibrous Homogeneous	5% Cellulose 4% Glass	80% Matrix 11% Non-fibrous (Other)	None Detected
SF308-A14-68-Cove Base 092110039-0156	BLDG 308 - BEDROOM #1 - 4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	Brown Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected



Project ID:

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

			Non-Asbe	<u>stos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF308-A14-68-Mastic 1	BLDG 308 - BEDROOM #1 - 4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	Yellow Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
SF308-A14-68-Mastic 2 092110039-0156B	BLDG 308 - BEDROOM #1 - 4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	Brown/Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
SF308-A15-68-Cove Base 092110039-0157	BLDG 308 - BEDROOM #1 - 4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	Brown Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
SF308-A15-68-Mastic 1	BLDG 308 - BEDROOM #1 - 4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	Yellow Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
SF308-A15-68-Mastic 2 092110039-0157B	BLDG 308 - BEDROOM #1 - 4" BROWN CB + YELLOW MASTIC + BLACK MASTIC	Brown/Black Non-Fibrous Homogeneous		90% Matrix 10% Non-fibrous (Other)	None Detected
SF308-A16-69 092110039-0158	BLDG 308 - EXTERIOR NE WINDOW - WHITE WINDOW CAULKING	White Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
SF308-A17-69 092110039-0159	BLDG 308 - EXTERIOR NE WINDOW - WHITE WINDOW CAULKING	White Non-Fibrous Homogeneous		70% Matrix 30% Non-fibrous (Other)	None Detected
SF308-A18-70	BLDG 308 - N. EXTERIOR - CEMENT PAD	Gray Non-Fibrous Homogeneous		15% Quartz 40% Ca Carbonate 45% Non-fibrous (Other)	None Detected
SF308-A19-70	BLDG 308 - S - EXTERIOR - CEMENT PAD	White/Beige Non-Fibrous Homogeneous		15% Quartz 50% Ca Carbonate 35% Non-fibrous (Other)	None Detected
SF308-A20-71-Shingle	BLDG 308 - ROOF - ASPHALT ROOF SHINGLE	Black Fibrous Homogeneous	5% Glass	5% Quartz 10% Ca Carbonate 40% Matrix 40% Non-fibrous (Other)	None Detected
SF308-A20-71-Tar	BLDG 308 - ROOF - ASPHALT ROOF	Black Non-Fibrous		80% Matrix 20% Non-fibrous (Other)	None Detected
092110039-0162A SF308-A21-71-Shingle 092110039-0163	SHINGLE BLDG 308 - ROOF - ASPHALT ROOF SHINGLE	Homogeneous Brown/Black Fibrous Homogeneous	10% Glass	7% Quartz 20% Ca Carbonate 30% Matrix	None Detected
SF308-A21-71-Tar	BLDG 308 - ROOF - ASPHALT ROOF SHINGLE	Black Non-Fibrous Homogeneous	10% Cellulose	33% Non-fibrous (Other) 80% Matrix 10% Non-fibrous (Other)	None Detected
SF308-A22-72	BLDG 308 - ROOF - PENETRATION	Brown/Black Fibrous	10% Cellulose	5% Ca Carbonate 70% Matrix	None Detected
092110039-0164 SF308-A23-72	MASTIC BLDG 308 - ROOF - PENETRATION	Homogeneous Brown/Black Fibrous	10% Cellulose	15% Non-fibrous (Other) 5% Ca Carbonate 70% Matrix	None Detected
092110039-0165	MASTIC	Homogeneous		15% Non-fibrous (Other)	



Project ID:

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

			Non-A	<u>Asbestos</u>	<u>Asbestos</u>
Sample	Description	Appearance	% Fibrous	% Non-Fibrous	% Type
SF401-A1-73 092110039-0166	BLDG401 - E WINDOW - WHITE WINDOW CAULKING	White Non-Fibrous Homogeneous		70% Matrix 27% Non-fibrous (Other)	3% Chrysotile
SF401-A2-73	BLDG401 - E WINDOW - WHITE WINDOW CAULKING	White Non-Fibrous Homogeneous		70% Matrix 27% Non-fibrous (Other)	3% Chrysotile
SF401-A3-74-Mastic	BLDG401 - ROOF - BLACK MASTIC	Black Non-Fibrous Homogeneous		80% Matrix 17% Non-fibrous (Other)	3% Chrysotile
SF401-A3-74-Silver Paint	BLDG401 - ROOF - BLACK MASTIC	Silver Non-Fibrous Homogeneous		80% Matrix 18% Non-fibrous (Other)	2% Chrysotile
SF401-A4-74	BLDG401 - ROOF - BLACK MASTIC	Brown/Black Non-Fibrous		80% Matrix 16% Non-fibrous (Other)	4% Chrysotile
092110039-0169 SF404-A1-75 092110039-0170	BLDG 404 - S - CEMENT PAD	Gray Non-Fibrous Homogeneous		30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF404-A2-75	BLDG 404 - SE - CEMENT PAD	Gray Non-Fibrous Homogeneous		30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SF404-A3-76	BLDG 404 - CENTER - TEXTURED	Gray Non-Fibrous		30% Quartz 50% Ca Carbonate	None Detected
092110039-0172 SF404-A4-76 092110039-0173	BLDG 404 - CENTER/ S - TEXTURED CEMENT PAD	Homogeneous Gray Non-Fibrous Homogeneous		20% Non-fibrous (Other) 30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SFPT-A1-77 092110039-0174	PROPANE TANK CEMENT STRUCTURE - CEMENT STRUCTURE	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SFPT-A2-77 092110039-0175	PROPANE TANK CEMENT STRUCTURE - CEMENT STRUCTURE	Beige Non-Fibrous Homogeneous		40% Quartz 40% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SFCMV-A1-78	CMV BETWEEN 207/ 216 - CONCRETE LANDING	Gray Non-Fibrous Homogeneous		30% Quartz 50% Ca Carbonate 20% Non-fibrous (Other)	None Detected
SFCMV-A2-78	CMV BETWEEN 207/ 216 - CONCRETE LANDING	Gray Non-Fibrous		30% Quartz 50% Ca Carbonate	None Detected
092110039-0177 SFCMV-A3-79 092110039-0178	CMV BETWEEN 207/ 216 - CMV	Homogeneous Gray Non-Fibrous Homogeneous		20% Non-fibrous (Other) 15% Quartz 25% Ca Carbonate 60% Non-fibrous (Other)	None Detected
SFCMV-A4-79	CMV BETWEEN 207- 216 - CMV	Gray Non-Fibrous Homogeneous		20% Quartz 25% Ca Carbonate 55% Non-fibrous (Other)	None Detected
SFCMV-A5-80	CMV BETWEEN 207- 216 - MORTAR	Gray Non-Fibrous		35% Quartz 30% Ca Carbonate	None Detected
092110039-0180 SFCMV-A6-80	CMV BETWEEN 207- 216 - MORTAR	Homogeneous Gray Non-Fibrous		35% Non-fibrous (Other) 30% Quartz 35% Ca Carbonate	None Detected
092110039-0181		Homogeneous		35% Non-fibrous (Other)	



Project ID:

Analyst(s)

Brianne Franquelin (7)
David Nguyen (17)
Gavin Lee (31)
Jon Abdon (86)
Kevin Lares (66)
William Bradford (94)

Cecilia Yu, Laboratory Manager or Other Approved Signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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



Project ID:

Attention: Jenice Feiner Phone:

Millennium Consulting Associates, Inc.

Collected: 06/29/2021

Project: KE210701-2 - 21015.2003 SIERRA FOOTHILL REC

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Non-Asbestos <u>Asbestos</u> Sample Description Appearance % Fibrous % Non-Fibrous % Type SF101-A1-1-Joint BI DG 101 -White 99.75% Non-fibrous (Other) 0.25%Chrysotile CONFERENCE ROOM -Non-Fibrous Compound SKIM COAT/ Homogeneous 092110039-0001A DRYWALL/JOINT COMPOUND White 99.50% Non-fibrous (Other) 0.50%Chrysotile SF101-A1-1-Skim BLDG 101 -**CONFERENCE ROOM -**Non-Fibrous Coat SKIM COAT/ 092110039-0001B Homogeneous DRYWALL/JOINT COMPOUND White 99.75% Non-fibrous (Other) 0.25%Chrysotile SF101-A2-1-Joint BLDG 101 - OFFICE 2 -SKIM COAT/ Non-Fibrous Compound DRYWALL/JOINT 092110039-0002A Homogeneous COMPOUND BLDG 101 - OFFICE 1 -White 100.0% Non-fibrous (Other) <0.25%Chrysotile SF101-A3-1-Joint SKIM COAT/ Non-Fibrous Compound DRYWALL/JOINT Homogeneous 092110039-0003A COMPOUND BLDG 101 - OFFICE 1 -White 100.0% Non-fibrous (Other) <0.25%Chrysotile SF101-A3-1-Skim SKIM COAT/ Non-Fibrous Coat DRYWALL/JOINT Homogeneous 092110039-0003B COMPOUND White 100.0% Non-fibrous (Other) <0.25%Chrysotile SF101-A4-1-Joint BLDG 101 - COPY ROOM - SKIM COAT/ Non-Fibrous Compound DRYWALL/JOINT 092110039-0004A Homogeneous COMPOUND White 100.0% Non-fibrous (Other) BLDG 101 - COPY <0.25%Chrysotile SF101-A4-1-Skim ROOM - SKIM COAT/ Non-Fibrous Coat DRYWALL/JOINT 092110039-0004B Homogeneous COMPOUND White 99.75% Non-fibrous (Other) 0.25%Chrysotile BLDG 101 - CLOSET -SF101-A5-1-Joint SKIM COAT/ Non-Fibrous Compound DRYWALL/JOINT Homogeneous 092110039-0005A

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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

Initial report from: 07/09/2021 16:15:13

COMPOUND



Project ID:

Attention: Jenice Feiner Phone:

Millennium Consulting Associates, Inc.

Collected: 06/29/2021

Project: KE210701-2 - 21015.2003 SIERRA FOOTHILL REC

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Non-Asbestos <u>Asbestos</u> Sample Description % Fibrous % Non-Fibrous % Type Appearance SF101-A5-1-Skim BLDG 101 - CLOSET -White 100.0% Non-fibrous (Other) <0.25%Chrysotile SKIM COAT/ Non-Fibrous Coat DRYWALL/JOINT Homogeneous 092110039-0005B COMPOUND 0.25%Chrysotile White 99.75% Non-fibrous (Other) SF101-A7-2-Joint BLDG 101 -MECHANICAL ROOM -Non-Fibrous Compound W - SKIM Homogeneous 092110039-0007A COAT/DRYWALL/JOIN T COMPOUND White 100.0% Non-fibrous (Other) SF101-A8-2-Joint BLDG 101 -<0.25%Chrysotile MECHANICAL ROOM -Non-Fibrous Compound E - SKIM 092110039-0008A Homogeneous COAT/DRYWALL/JOIN T COMPOUND White 100.0% Non-fibrous (Other) <0.25%Chrysotile SF101-A8-2-Skim BLDG 101 -MECHANICAL ROOM -Non-Fibrous Coat F - SKIM Homogeneous 092110039-0008B COAT/DRYWALL/JOIN T COMPOUND SF203-A1-15-Joint BLDG 203 - OFFICE -White 100.0% Non-fibrous (Other) <0.25%Chrysotile CEILING - SKIM Non-Fibrous Compound COAT/DRYWALL/JOIN Homogeneous 092110039-0034A T COMPOUND Tan 99.75% Non-fibrous (Other) 0.25%Chrysotile SF203-A1-15-Skim BLDG 203 - OFFICE -CEILING - SKIM Non-Fibrous COAT/DRYWALL/JOIN Homogeneous 092110039-0034B T COMPOUND White 100.0% Non-fibrous (Other) SF203-A2-15-Joint BLDG 203 - CEILING -<0.25%Chrysotile Non-Fibrous Compound COAT/DRYWALL/JOIN 092110039-0035A Homogeneous T COMPOUND 99.75% Non-fibrous (Other) BLDG 203 - CEILING -Tan 0.25% Chrysotile SF203-A2-15-Skim SKIM Non-Fibrous Coat COAT/DRYWALL/JOIN Homogeneous 092110039-0035B T COMPOUND

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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

Project ID:

Attention: Jenice Feiner Phone:

Millennium Consulting Associates, Inc.

Collected: 06/29/2021

Project: KE210701-2 - 21015.2003 SIERRA FOOTHILL REC

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Non-Asbestos <u>Asbestos</u> Sample Description % Fibrous % Non-Fibrous % Type Appearance SF203-A3-15-Joint BLDG 203 - WALL -White 100.0% Non-fibrous (Other) <0.25%Chrysotile SKIM Non-Fibrous Compound COAT/DRYWALL/JOIN Homogeneous 092110039-0036A T COMPOUND <0.25%Chrysotile BLDG 203 - WALL -Tan 100.0% Non-fibrous (Other) SF203-A3-15-Skim Non-Fibrous Coat COAT/DRYWALL/JOIN Homogeneous 092110039-0036B T COMPOUND 99.50% Non-fibrous (Other) SF203-A4-16 BLDG 203 - MAIN Tan 0.50% Chrysotile **ROOM - SURFACING** 092110039-0037 Non-Fibrous **TEXTURE** Homogeneous Tan 99.50% Non-fibrous (Other) 0.50%Chrysotile SF203-A5-16 BLDG 203 - MAIN ROOM - S -092110039-0038 Non-Fibrous SURFACING TEXTURE Homogeneous Tan 99.75% Non-fibrous (Other) BI DG 203 - MAIN 0.25%Chrysotile SF203-A6-16 092110039-0039 ROOM - W -Non-Fibrous SURFACING TEXTURE Homogeneous White 100.0% Non-fibrous (Other) <0.25%Chrysotile SF205-A1-19-Joint BLDG 205 - SKIM COAT/DRYWALL/JOIN Non-Fibrous Compound T COMPOUND Homogeneous 092110039-0044A Tan/White SF205-A1-19-Skim BLDG 205 - SKIM 100.0% Non-fibrous (Other) <0.25%Chrysotile COAT/DRYWALL/JOIN Non-Fibrous Coat T COMPOUND Homogeneous 092110039-0044B White 100.0% Non-fibrous (Other) SF205-A2-19-Joint BLDG 205 - SKIM <0.25%Chrysotile COAT/DRYWALL/JOIN Non-Fibrous Compound T COMPOUND Homogeneous 092110039-0045A Tan/White 100.0% Non-fibrous (Other) SF205-A2-19-Skim BLDG 205 - SKIM <0.25%Chrysotile COAT/DRYWALL/JOIN Non-Fibrous T COMPOUND 092110039-0045B Homogeneous <0.25%Chrysotile White 100.0% Non-fibrous (Other) SF205-A3-19-Joint BI DG 205 - SKIM COAT/DRYWALL/JOIN Non-Fibrous Compound T COMPOUND Homogeneous 092110039-0046A

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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



Project ID:

Attention: Jenice Feiner Phone:

Millennium Consulting Associates, Inc.

Collected: 06/29/2021

Project: KE210701-2 - 21015.2003 SIERRA FOOTHILL REC

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Non-Asbestos <u>Asbestos</u> Sample Description % Fibrous % Non-Fibrous % Type Appearance 99.75% Non-fibrous (Other) SF205-A3-19-Skim BLDG 205 - SKIM Tan/White 0.25%Chrysotile COAT/DRYWALL/JOIN Non-Fibrous Coat T COMPOUND Homogeneous 092110039-0046B 99.75% Non-fibrous (Other) White SF205-A4-19-Joint BLDG 205 - SKIM 0.25%Chrysotile COAT/DRYWALL Non-Fibrous Compound Homogeneous 092110039-0047A White 100.0% Non-fibrous (Other) <0.25%Chrysotile SF205-A4-19-Skim BI DG 205 - SKIM COAT/DRYWALL Non-Fibrous 092110039-0047B Homogeneous Tan/White 99.50% Non-fibrous (Other) 0.50%Chrysotile SF205-A5-19-Skim BLDG 205 - SKIM COAT/DRYWALL Non-Fibrous Coat 092110039-0048A Homogeneous Tan 99.75% Non-fibrous (Other) BLDG 205 -0.25%Chrysotile SF205-A10-22-Com BREAKROOM - 4" Non-Fibrous pound BARK BROWN CB + 092110039-0053B Homogeneous **BROWN MASTIC** SF205-A11-22-Com BLDG 205 -Insufficient BREAKROOM - 4" Material pound BARK BROWN CB + 092110039-0054B **BROWN MASTIC** SF214-A2-39-Skim BLDG 214 - WASH White 99.50% Non-fibrous (Other) 0.50%Chrysotile **ROOM - CENTER -**Non-Fibrous Coat SKIM Homogeneous 092110039-0092B COAT/DRYWALL/JOIN T COMPOUND White 99.50% Non-fibrous (Other) SF214-A3-40 BLDG 214 - WASH 0.50%Chrysotile **ROOM - DRYWALL** 092110039-0093 Non-Fibrous PATCH Homogeneous 0.50%Chrysotile SF214-A4-40 BLDG 214 - WASH White 99.50% Non-fibrous (Other) ROOM - DRYWALL 092110039-0094 Non-Fibrous PATCH Homogeneous

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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



Project ID:

Attention: Jenice Feiner Phone:

Millennium Consulting Associates, Inc.

Collected: 06/29/2021

Project: KE210701-2 - 21015.2003 SIERRA FOOTHILL REC

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Non-Asbestos <u>Asbestos</u> Sample Description % Fibrous % Non-Fibrous % Type Appearance SF304-A1-49-Skim BLDG 304 - BEDROOM White 100.0% Non-fibrous (Other) <0.25%Chrysotile 1 CEILING - SKIM Non-Fibrous Coat COAT/DRYWALL/JOIN Homogeneous 092110039-0113 T COMPOUND White 99.25% Non-fibrous (Other) 0.75%Chrysotile SF304-A1-49-Joint BLDG 304 - BEDROOM 1 CEILING - SKIM Non-Fibrous Compound COAT/DRYWALL/JOIN Homogeneous 092110039-0113A T COMPOUND SF304-A2-49-Skim BLDG 304 - BEDROOM Insufficient Material 1 WALL - SKIM Coat COAT/DRYWALL/JOIN 092110039-0114 T COMPOUND Brown/White 99.50% Non-fibrous (Other) 0.50% Chrysotile SF304-A2-49-Joint BLDG 304 - BEDROOM 1 WALL - SKIM Non-Fibrous Compound COAT/DRYWALL/JOIN Homogeneous 092110039-0114A T COMPOUND White 99.75% Non-fibrous (Other) 0.25% Chrysotile BLDG 304 - BEDROOM SF304-A3-49-Skim 2 - SKIM Non-Fibrous Coat COAT/DRYWALL/JOIN Homogeneous 092110039-0115 T COMPOUND SF304-A3-49-Joint BLDG 304 - BEDROOM White 99.75% Non-fibrous (Other) 0.25%Chrysotile 2 - SKIM Non-Fibrous Compound COAT/DRYWALL/JOIN 092110039-0115A Homogeneous T COMPOUND 99.75% Non-fibrous (Other) SF304-A4-49-Skim BLDG 304 - CLOSET -White 0.25% Chrysotile SKIM Non-Fibrous Coat COAT/DRYWALL/JOIN Homogeneous 092110039-0116 T COMPOUND 99.75% Non-fibrous (Other) White 0.25%Chrysotile SF304-A4-49-Joint BLDG 304 - CLOSET -SKIM Non-Fibrous Compound COAT/DRYWALL/JOIN Homogeneous 092110039-0116A T COMPOUND 100.0% Non-fibrous (Other) <0.25%Chrysotile SF308-A1-63-Joint BLDG 308 - BEDROOM #1 CFILING - SKIM/ Non-Fibrous Compound DRYWALL / JOINT Homogeneous 092110039-0143A COMPOUND

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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



Project ID:

Attention: Jenice Feiner Phone:

Millennium Consulting Associates, Inc.

Collected: 06/29/2021

Project: KE210701-2 - 21015.2003 SIERRA FOOTHILL REC

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Non-Asbestos <u>Asbestos</u> Sample Description % Fibrous % Non-Fibrous % Type Appearance SF308-A1-63-Skim BLDG 308 - BEDROOM 100.0% Non-fibrous (Other) <0.25%Chrysotile #1 CEILING - SKIM/ Non-Fibrous Coat DRYWALL / JOINT Homogeneous 092110039-0143B COMPOUND <0.25% Chrysotile White 100.0% Non-fibrous (Other) SF308-A2-63-Joint BLDG 308 - BEDROOM #2 - SKIM/ DRYWALL/ Non-Fibrous Compound JOINT COMPOUND Homogeneous 092110039-0144A White 100.0% Non-fibrous (Other) BLDG 308 - BEDROOM < 0.25% Chrysotile SF308-A2-63-Skim #2 - SKIM/ DRYWALL/ Non-Fibrous Coat JOINT COMPOUND Homogeneous 092110039-0144B SF308-A3-63-Joint BLDG 308 - BEDROOM Tan 100.0% Non-fibrous (Other) <0.25% Chrysotile #2 CEILING - SKIM/ Non-Fibrous Compound DRYWALL/ JOINT 092110039-0145A Homogeneous COMPOUND 100.0% Non-fibrous (Other) BLDG 308 - BEDROOM Tan <0.25% Chrysotile SF308-A3-63-Skim #2 CEILING - SKIM/ Non-Fibrous Coat DRYWALL/JOINT Homogeneous 092110039-0145B COMPOUND SF308-A4-63-Joint BLDG 308 - BEDROOM 100.0% Non-fibrous (Other) <0.25% Chrysotile #1 - W WALL - SKIM/ Non-Fibrous Compound DRYWALL/JOINT Homogeneous 092110039-0146A COMPOUND Tan 100.0% Non-fibrous (Other) SF308-A4-63-Skim BLDG 308 - BEDROOM <0.25% Chrysotile #1 - W WALL - SKIM/ Non-Fibrous Coat DRYWALL/ JOINT Homogeneous 092110039-0146B COMPOUND Tan SF308-A5-63-Joint **BLDG 308 - LAUNDRY** 100.0% Non-fibrous (Other) <0.25% Chrysotile **ROOM - CEILING -**Non-Fibrous Compound SKIM COAT/ 092110039-0147A Homogeneous DRYWALL/ JOINT COMPOUND White 100.0% Non-fibrous (Other) **BLDG 308 - LAUNDRY** <0.25% Chrysotile SF308-A5-63-Skim ROOM - CFILING -Non-Fibrous Coat SKIM COAT/ Homogeneous 092110039-0147B DRYWALL/ JOINT COMPOUND

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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



Attention: Jenice Feiner

EMSL Order: 092110039 **Customer ID:** MECA62 **Customer PO:** KE210701-2

Project ID:

Phone:

Fax:

Received: 07/06/2021 8:30 AM

Analysis Date: 07/07/2021 - 07/16/2021 **Collected:** 06/29/2021

Project: KE210701-2 - 21015.2003 SIERRA FOOTHILL REC

Millennium Consulting Associates, Inc.

4683 Chabot Drive, Suite 380

Pleasanton, CA 94588

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy. Quantitation using 400 Point Count Procedure

Non-Asbestos Asbestos

Sample Description Appearance % Fibrous % Non-Fibrous % Type

Analyst(s)

Adam C. Fink (22) Gavin Lee (6) Jon Abdon (5) William Bradford (18) Colly

Cecilia Yu, Laboratory Manager or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted. The above analyses were performed in general compliance with Appendix E to Subpart E of 40 CFR (previously EPA 600/M4-82-020 "Interim Method") but augmented with procedures outlined in the 1993 ("final") version of the method. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Estimation of uncertainty is available on request.

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



Asbestos Bulk Building Material Chain of Custody EMSL Order Number (Lab Use Only): 092110039

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675

FAX: (856) 786-5974

		ium Consultin			If Bill to is Different not	Same Difference instructions in Comme	ents**
		Way Suite 250				ritten authorization fr	
City: Oakla		TMAICHA	State/Province: CA	Zip/Postal Cod		Country: US	
			A. Grissette		(925) 808-6700	1	. V-21070
		iner@mecaenv	iro.com 2003 Sierra Foothill R	Fax #: (925) 80			ler: KF21070
		s Taken: Of		CT Samples:	Commercial/T	axable Reside	ential/Tax Exem
	2		Turnaround Time (TAT) Options* - Pl	lease Check		
□ 3 Hour	ir 3 hr throi	6 Hour	24 Hour 48 Hour all ahead to schedule. *There is a				u will be asked to s
an a	uthorizatio	n form for this s	ervice. Analysis completed in acco	ordance with EMSL's Te	erms and Conditions I	ocated in the Analytica	al Price Guide.
DIME		M - Bulk (rep		T TEM EDA NO		- Bulk 3/116 Section 2.5.5	F 1
□ PLM EF		-93/116 (<1%	0)	☐ NY ELAP Met		3/116 Section 2.5.:	5.1
			1000 (<0.1%)		ocol (semi-quantit	tative)	
		7	0 (<0.25%) 1000 (<0.1%)			93/116 Section 2.5	5.5.2
☐ NIOSH	9002 (<	1%)		☐ TEM Qualitati	ve via Filtration P	rep Technique	
A THE RESERVE OF THE PARTY OF T		od 198.1 (friat		☐ TEM Qualitati		t Prep Technique	
	AP Metho ID-191 M		(non-friable-NY)		0	ther	
		on Method					
	1				mpled: 4/29/2	1- (4) 20/21	
			learly Identify Homogenou	s Group Date Sa	impled: 4121	1 013-121	
					(1)	11/\1	
Samplers	Name: (.Hamis	K-Efe	Samplers S	signature:	De	
Samplers Sample #	Name: (J.Humis	K-EfC Sample Location	Samplers S	ignature:	Material Descrip	tion
			2.00			Material Descript	
Sample #			Sample Location				
Sample #	HA#		Sample Location				
Sample # A1 A2	HA #		Sample Location 1 - Conference Re - Office 2				
Sample # A1 A2 A3	HA#		Sample Location 1 - Conference Re - Office 2 - Office 1				
Sample # A1 A2 A3 A4	HA#		Sample Location 1 - Conference Re - Office 2 - Office 1 - Copy Roum	OW	Skim coa		Joint com
Sample # A1 A2 A3 A4 A5	HA # (Sample Location 1- conference Re - office 2 - office 1 - copy roum - closet	OW	Skim coa	t Drywaii	Joint com
Sample # A1 A2 A3 A4 A5	HA# 1 1 1 1 2		Sample Location 1- conference Re - office 2 - office 1 - copy roum - closet	om - N	Skim coa	t Drywaii	Joint com
Sample # A1 A2 A3 A4 A5 A6 A7	HA# 1 1 1 1 2 2		Sample Location 1- conference Re - office 2 - office 1 - copy roum - closet	om - N	Skim coa	t Drywaii	Joint com
Sample # A1 A2 A3 A4 A5 A6 A7	HA# 1 1 1 1 2 2		Sample Location 1 - Conference Re - Office 2 - Office 1 - copy Roum - closet - Mechanical Ro	om - N	Skim coa	t Drywaii	Joint com
Sample # A1 A2 A3 A4 A5 A6 A7 A8	HA# 1 1 1 1 2 2 2 3 3	Bidg to	Sample Location 1 - Conference Re - Office 2 - Office 1 - copy Roum - closet - Mechanical Ro	om - N	SKIM COO	t Drywaii] t Drywaii]	Joint com
Sample # A1 A2 A3 A4 A5 A6 A7 A8 A9 A10	HA# 1 1 1 1 2 2 3 3 apple # (s	Bidg to	Sample Location 1 - Conference Recognition - Office 2 - Office 1 - copy Roum - closet - Mechanical Ro - Office 2 - J	om - N	SKIM COO	t Drywall de la Prywall de la	Joint com

SFLO



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

092110039

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA#	Sample Location	Material Description
All	7	Bldg 101- Office 2 - West	1'X1' Wormhole ACT
A12	4	1 1	1
A13.	5	- Copy Roum	4" Tan CB + Brown Mastic
AIH	5	1	7
AIS	6	- Copy Room	12"x12" White FT + Black mastic
AIV	V	1	1
A17	7	- Office 4	4" Blue CB+ Tan mastic
AIR	7	7	1 1
PIO	8	- conference poom - East	yellow carpet mastic
A20	8	1	1
A21	9	- corridor	Brown Mosaic + 12x12 White Ft sheet Flouring + Black mostic
P22	9	1	1. 1.
P23	10	- janiturs closet	Brown speckled + group
A24	10	1	1 +
H25	11	- Exterior-N	cement pad
A26	11	1 1	1
A27	12	- Roof	penetration mastic
A28	12		+
A29	13		Aspnaltic Roofing Shingle
P30	13		
A31	13	7 1	+
Al	14	BIJ9 202 - NW	cement pad
A2	14	T - ME	1
AI	15	Bidy 203 - Office - wiling	Skim cout Drywall Joint compo
*Commer	ts/Spec	Received! IT FX Page 2 of pages	7/6/21 8:30a



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

092110039

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA#	Sample Location	Material Description
- A2	15	Bidy 203 - Ceiling	skim wat Drywall Joint wompound
A3	15	- wall	1
A4	14	- main roum	Surfacing Texture
A5	14	1 - S	
AV	14	1 - W	1
A7	17	- Exterior-S	cement pud
48	17	- Interior-center	7
AL	18	- Exterior- NE	cement pad
A2	18	T -M	1
AI	19	Bidy 205	Skim cout Drywall Joint Compound
A2	19		
A3	19		1
AH	19		skim war Dry wall
A5	19		1
A6	20	- Breakroum	popcorn ceiling
A7	20	1	+
A8	21	- Breakroom	12"X12" Tan FT + Black mastic
A9	21	+	1
A10	22	- Breakroom	4" Dark Brown CB + Brown
AII	22	1	+ +
A12	23	- Office	12" X 12" Tan FT + Black mastic
P13	23	1	7
AIY	24	- Garage	Fireproufing
AIS	24	+ +	+



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA#	Sample Location	Material Description
ALL	24	Bidg 205 - Garage	Fire proufing
AIT	24		
A18	24	1	1
PIO	20	- interior - garage	cement pud
A20	25	1 1 1	1
AI	26	Bidy 206 - lab nom - ceiling - E	2 Kim cout dry w an comprund
A2	26	1 1 - 5	
A3	26	1 1-1	1
АЧ	27	- Lab room - N wall	Texturing
A5	27	+ - ceiling	1
AV	28	- Lap Room - N	12"x 12" Tan FT + Black mastic
FA	28	† †	7
Aq	29	-rap boom	4" Brown UB + Tan mastic
P9	29	1	1
AIO	2:0	- Fast Exterior	cement pad
All	36	+	1
A12	31	- garage	cement pud
A13	31	1	1
- AI	32	BIdy 207 - Euct	cement pad
A2	32	1 +	1
A3	33		cement pad w Texture
A4	33	+	1
AI	34	Bidy 208- E	cement footing
	34	1 - M	1

Page 4 of pages

Controlled Document - Asbestos COC - R6 - 11/29/2012



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

092110039

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA#	Sample Location	Material Description
Al	35	Bidy 211 - vanit cover	cement vault cover
P2	35	1 +	1
A3	36	- 12	cement pad
АЧ	36	1 1	1
AI	37	BID 212 - NE	cement pad
P2	37	1 - SE	+
Al	38	Bldg 213	cement pud
A2	38	+	1
ΆΙ	39	Bidg 214 - Wash room - center	Skim coat Drywall Joint compound
A2	39	1 1 1	*
A 3	40	- wash room	Drywall Petch
P4	40	1	1
As	41	- Exterior center - Medi door	Pipe wrap
A6	41	† †	1
FA	42	- Door	white canking
A8	42	1	1
A9	43	- MM	cement pad
PIO	43	+ -SE	1
AI	44	B1d9216 - N	pipe wrap
A2	44	1 +	1
P3	45	- 4	cement pad
АЧ	45	- W	1
AS	40	- Exterior CMU	CMU
A G	40	+ +	7

Page 5 of pages



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

092110039

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sa	Sample # HA #		Sample Location	Material Description
0- A-	7	46	Bidg 210 - Exterior CMU	CMU murtar
A	8	46	1 1	1
7-AI	1	47	Bidg 217 - interior	ciment pad
A	2	47		1
H3	3	48		cament footing
AL	4	48	1	1
4- A1		49	Bidy 304 - Bedroom 1 ceiling	6 kim coat Drywall Joint compound
A	2	49	- Bedroom 1 wall	
A	3	49	- Bedroom 2	
A	4	49	- closet	1
A	6	50	- Bedroum (underneuth carpet)	12" × 12" white FT + Black moutic
A	6	50	1	1 1
A	7	51	- Bedruum Z Restruum (2 floor	Brown vinys + mastic + white vinys + lever flooring + con
n1	8	51	+	7 + 7 7
A	9	52	- Bathroom	white vings shelt flooring
A	10	52	+	1
AI	11	53	- Kitchen	Faux 4"x 4"tile sheet flooring + mas
AI	12	53	+	+ +
A	13	54	- Exterior NW window	white canking
A	14	54	, ,	1
A	15	55	- Exterior chimney	Chimney yout
A	16	55	1	1
A	17	56	- interior unimney	chimney grout
	118	56	1	1

Page _ 6 of _ 9 pages



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

092110039

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

-	Sample #	HA#	Sample Location	Material Description
4-	A19	57	BING 304- HOUSE	cement pad
	A20	57	1 1	1
Ī	A21	58	- SW	cement pud
Ī	A22	54	1	1
	A23	59	- CE - Frunt House	cement pad (Stone)
	A24	59	1 1	1
	A25	60	- Patio NW	Stone tile grout
	A26	60	1	1
	A27	61	- Roof-Chimney	White chimney causking
	A28	10	1 1	1
	A29	62	- Roof	black mastic
	A30	62	+ +	7
8-	AI	43	Bidy 308 - Bedroom #1 - ceiling	Skim Logt Drywall Joint amound
	A2	43	- Bedroom #2	
	A3	43	- Bedroum # 2 - weiling	
Ī	A4	43	- Restroum #1-W Wall	
Ì	A5	63	- Laundry Room - Ceiling	1
Ī	A6	64	- Living Area	1'X1' wormhole ACT white
Ī	P7	64	1	1
1	P8	65	- HVAC Closet (Underneigh	12"x12" tan FF + yellow mastic
	A9	45	1	+ +
	110	66	- HVAC CIOSET	FUNX WOULD VING I FLOORING + Ma
	All	44	+	1
,	A12	FD	- Restroum #1	Blue sheet flouring + mustic

Page 7 of 9 pages



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample	# HA#	Sample Location	Material Description
A13	FU	Bldy 308 - Restroum #1	Blue sheet flooring + mastic
A14	66	- Bedroom #1	4" Brown CB + Yellow + Black
A15	68	1	4
AIV	69	- Exterior NE window	white window causking
A17	69	+	1
A18	40	- N-Exterior	cement pad
A19	70	- S - Exterior	+
A20	71	- Roof	Asphalt Roof Shingle
A21	71		1
A22	72		penetration mastic
A23	72	+ +	1
Al	73	BId9401 - E WINDOW	white window causking
A2	73	1	1
A3	74	- boot	Black mastic
AH	74	† †	1
nı	75	BIdy 404 - S	cement pad
A2	75	- SE	+
P3	76	- center	Textured coment pad
АЧ	76	- center S	1
AI	77	Propane rank coment structure	cement structure
A2	77	+	7
Al	78	CMU between 207/216	concrete landing
A2	78		1
117	79	1	CMV

SF CMV



Asbestos Bulk Building Material Chain of Custody

EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077

PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	HA#	Sample Location	Material Description
74	79	CMV between 207/216	cMV
46	80		mortar
A6	80	1	1
	is .		
*Commer	its/Spec	ial Instructions:	
		10	d: ST FX 7/6/21 8:30a



APPENDIX C

Lead Laboratory Data, Chain of Custodies, and Laboratory Certifications



Jeremy Malson

EMSL Analytical, Inc

464 McCormick Street, San Leandro, CA 94577 (510) 895-3675 / (510) 895-3680

Millennium Consulting Associates, Inc.

http://www.EMSL.com sanleandrolab@emsl.com ProjectID:

(925) 808-6700

EMSL Order:

CustomerID:

CustomerPO:

092110042

KE210701-3

MECA62

Phone: Fax:

Received: 07/06/21 8:30 AM

Collected: 6/30/2021

Project: 21015.2003 - SIERRA FOOTHILL REC / KE210701-3

4683 Chabot Drive, Suite 380

Pleasanton, CA 94588

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

Client Sample Descrip	tion Lab ID Collected Analyzed	Weight	Lead Concentration
SF101-PB1	092110042-0001 6/30/2021 7/6/2021	0.2574 g	<80 ppm
	Site: WHITE PAINT - BLDG 101 - JANITOR CLOSET - DRYWALL		
SF202-PB1	092110042-0002 6/30/2021 7/6/2021	0.2508 g	15000 ppm
	Site: RED PAINT - BLDG 202 - WOOD SHED - N		
SF202-PB2	092110042-0003 6/30/2021 7/6/2021	0.2565 g	1400 ppm
	Site: WHITE OVER GREEN PAINT - BLDG 202 - WOOD SHED - N		
SF203-PB1	092110042-0004 6/30/2021 7/6/2021	0.2499 g	1300 ppm
	Site: ORANGE PAINT - BLDG 203 - MAIN ROOM - WOOD DOOR		
SF203-PB2	092110042-0005 6/30/2021 7/6/2021	0.2510 g	1100 ppm
	Site: WHITE PAINT - BLDG 203 - WOOD WALL - W		
SF203-PB3	092110042-0006 6/30/2021 7/6/2021	0.2534 g	920 ppm
	Site: BEIGE PAINT - BLDG 203 - RESTROOM - WOOD WALL		
SF204-PB1	092110042-0007 6/30/2021 7/6/2021	0.2537 g	14000 ppm
	Site: RED PAINT - BLDG 204 - METAL POLE		
SF205-PB1	092110042-0008 6/30/2021 7/6/2021	0.2516 g	29000 ppm
	Site: BEIGE PAINT - BLDG 205 - EXTERIOR METAL SIDING		
SF205-PB2	092110042-0009 6/30/2021 7/6/2021	0.2505 g	<80 ppm
	Site: WHITE PAINT - BLDG 205 - WOOD DOOR TRIM		
SF205-PB3	092110042-0010 6/30/2021 7/6/2021	0.2506 g	320 ppm
	Site: WHITE PAINT - BLDG 205 - BREAKROOM DRYWALL		
SF206-PB1	092110042-0011 6/30/2021 7/6/2021	0.2557 g	<80 ppm
	Site: WHITE PAINT - BLDG 206 - LAB ROOM DRYWALL		
SF213-PB1	092110042-0012 6/30/2021 7/6/2021	0.2523 g	13000 ppm
	Site: WHITE PAINT - BLDG 213 - WOOD WALL PANEL		
SF213-PB2	092110042-0013 6/30/2021 7/6/2021	0.2570 g	<80 ppm
	Site: BLACK PAINT - BLDG 213 - WOOD WALL PANEL		
SF213-PB3	092110042-0014 6/30/2021 7/6/2021	0.2575 g	<80 ppm
	Site: RED PAINT - BLDG 213 - WOOD WALL PANEL		
SF214-PB1	092110042-0015 6/30/2021 7/6/2021	0.2542 g	<80 ppm
	Site: BEIGE PAINT - BLDG 214 - WASH ROOM - WOOD WALL		

Julian Neagu, Lead Laboratory Manager or other approved signatory

July

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA AIHA-LAP, LLC-ELLAP Accredited #101748



Jeremy Malson

EMSL Analytical, Inc

464 McCormick Street, San Leandro, CA 94577

Phone/Fax: (510) 895-3675 / (510) 895-3680

http://www.EMSL.com sanleandrolab@emsl.com

Phone: (925) 808-6700

Fax:

Received: 07/06/21 8:30 AM

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

092110042

KE210701-3

MECA62

Collected: 6/30/2021

Millennium Consulting Associates, Inc. 4683 Chabot Drive, Suite 380 Pleasanton, CA 94588

Project: 21015.2003 - SIERRA FOOTHILL REC / KE210701-3

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

Client Sample Descripti	on Lab ID	Collected	Analyzed	Weight	Lead Concentration
SF214-PB2	092110042-00	16 6/30/2021	7/6/2021	0.2518 g	<80 ppm
	Site: WHITE F	PAINT - BLDG	214 - WOOD DOOR TRIM		
SF214-PB3	092110042-00	17 6/30/2021	7/6/2021	0.2589 g	620 ppm
	Site: RED PA	NT - BLDG 21	4 - METAL POLE		
SF304-PB1	092110042-00	18 6/30/2021	7/6/2021	0.1905 g	8500 ppm
	Site: BROWN	PAINT - BLD	G 304 - EXTERIOR WOOD PANEL		
SF308-PB1	092110042-00	19 6/30/2021	7/6/2021	0.2628 g	<80 ppm
	Site: WHITE F	PAINT - BLDG	308 - BEDROOM #1 DRYWALL		
SF308-PB2	092110042-00	20 6/30/2021	7/6/2021	0.251 g	<80 ppm
	Site: WHITE F	PAINT - BLDG	308 - EXTERIOR WOOD TRIM		
SF308-PB3	092110042-00	21 6/30/2021	7/6/2021	0.2581 g	120 ppm
	Site: YELLOW	/ PAINT - BLD	OG 308 - METAL SIDING		
SF404-PB1	092110042-00	22 6/30/2021	7/6/2021	0.2501 g	1400 ppm
	Site: RED PA	NT - BLDG 40	04 - WOOD SHED		
SFPT-PB2 - HOLD	092110042-00	23 6/30/2021	7/6/2021	0.2496 g	<80 ppm
	Site: WHITE F HOLD	PAINT - PROP	ANE TANK - CEMENT STRUCTURE -		

Julian Neagu, Lead Laboratory Manager or other approved signatory

Juhlas

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA AIHA-LAP, LLC-ELLAP Accredited #101748



Lead (Pb) Chain of Custody

EMSL Order ID (Lab Use Only):

#092110042

EMSL ANALYTICAL, INC. 464 McCormick Street San Leandro, CA 94577 PHONE; (510) 895-3675 FAX: (510) 895-3680

Street:	401 Roland Way, Ste 250					authorization from thi	
		Province: CA	-	I Code: 94621		Country: V	1.4
	(Name): J. Malson A.	brissette	Telephor	e#: 925-808-	-6700		
	ress:jfeiner@mecaenviro.com		Fax #:			Purchase Ord	der: KE21
	me/Number: 21015.2003	Sierra Fouthill F	Please P	rovide Results:	☐ Fax	∑ Email	
U.S. State	Samples Taken: ∁A					ole 🗌 Residential/	Tax Exemp
_		urnaround Time (T					
☐ 3 Hou		Hour		The state of the s	6 Hour	1 Week	2 Week
	Matrix	ed in accordance with El		Instrum		Reporting Limi	it Chec
Chips	% by wt. ☐ mg/cm² 🔀 ppm	SW846-700		Flame Atomic A		0.01%	
	Avay in a migroin Appin					15000000	
Air		NIOSH 70		Flame Atomic A	and the second	4 µg/filter	1 4
		NIOSH 71		Graphite Furn		0.03 µg/filter	
100- 4		NIOSH 7300 m SW846-700		Flame Atomic A		0.5 μg/filter 10 μg/wipe	
Wipe*	ASTM non ASTM	SW846-6010E		_ 300-30-20-00-00-00-00-00-00-00-00-00-00-00-00	0.000	1.0 μg/wipe	
*if no b	ox is checked, non-ASTM Wipe is assumed	SW846-7000B	radii .	7010 Graphite Furnace AA		0.075 μg/wipe	
TCLP	wipe is assumed	SW846-1311/7000E					
ICLF		SW846-1131/SW846			0.4 mg/L (ppm) 0.1 mg/L (ppm)		
Soil		SW846-700	E. P. College College	Flame Atomic Absorption		40 mg/kg (ppm	
		SW846-70	10	Graphite Furn	ace AA	0.3 mg/kg (ppm	
		SW846-6010E		ICP-AE		2 mg/kg (ppm)	
Wastewat		SM3111B/SW84		Flame Atomic Absorption		0.4 mg/L (ppm)	
Preserved	d with $HNO_3 pH < 2$	EPA 200. EPA 200.	.7 ICP-AES		0.003 mg/L (ppm 0.020 mg/L (ppm		
Drinking \	Water Unpreserved	EPA 200.				0.003 mg/L (ppm	-
Preserved	d with $HNO_3 pH < 2$	EPA 200.	8	ICP-MS	3	0.001 mg/L (ppm)
TSP/SPM	Filter	40 CFR Par		ICP-AE		12 µg/filter	
Other:		40 CFR Par	t 50	Graphite Furn	ace AA	3.6 µg/filter	+ +
	Sampler: C. Harris K.		Ciana	t f Cl	ar: 1/0	10	
Sample #			Signa	ture of Sample Location	er: Ox v		e Sample
0.00 - 3.00	white paint	scription	pldal	11 - Janitor -	Druw		
PbI							
Pbl	Red paint		Bldy 2	02 - wood sk	ied - N		
Pb2	white over green	paint	Bidy 2	-02 - wood	shed -	N	
P61	orange paint		B1 d 9 2	03 - main r	oum - M	000	
P62	white paint		1	- wood w	1911 - M	1	
Client Sar				Tot	al # of Sa	imples: 23	
	hed (Client):	Date:	710	1/21	Time:	1400	
Received (FX Date:		121	Time:	8:300	4
Comments		(/ Date:	1/0	101	Time:	10.000	

Page 1 of 2 pages



LEAD (Pb) CHAIN OF CUSTODY EMSL ORDER ID (Lab Use Only):

#092110042

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675 FAX: (856) 786-5974

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Location	Date/Time Sample
3- Pb3	Blige paint	Bidg 203-Restroom-wall	d U/30/21
t- P61	Red paint	Bidg 204 - metal pole	
5- Pb1	Beige paint	Bidg 205 - Exterior metal siding	
P62	white paint	wood door	
P 63	white paint	- Brenkroum Drywgii	
6 P61	white paint	Bldg 206 - Lab room	
- 1991	White paint	Bldg 213 - wood wan	
Pb2	BIGOK Paint		
Pb3	Red paint	1	
1-961	Beige paint	Bldg 214- wash - wood	
P62	white paint	- wood door trim	
P63	Red paint	- metal	
H- P61	Brown Paint	Bldy 304- Exterior Wood panel	
8-161	white paint	Bidg 308- Bedroom #1	
Pb2	white paint	_ Exterior wood trim	
P63	Yellow paint	- Metal Siding	
4- Pb1	Red Paint	Bldg 404 - Wood shed	
- Pb2	white paint	Propane - cement tank structure	\
Comments/S	Special Instructions:	eived: 17 7/6/21 FX 8	2:30a

Page 2 of 2 pages

Controlled Document -- Lead (Pb) DOC - RS- \$12/2812



APPENDIX D

PCB Laboratory Data, Chain of Custodies, and Laboratory Certifications



200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

Attn:

Jenice Feiner
Millennium Consulting Associates, Inc.
2001 S Barrington Ave
Suite 209
Los Angeles, CA 90025

Phone: (310) 402-8755

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 7/7/2021. The results are tabulated on the attached data pages for the following client designated project:

21015.2003 UC ANR Sierra Foothill REC

The reference number for these samples is EMSL Order #012107375. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

Phillip Worby, Environmental Chemistry Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted. NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

The reporting limits for sample -0006 are elevated due to limited sample amount received by the client.

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

7/14/2021



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com

> Phone: (310) 402-8755

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012107375

MECA62A

KE210701-4

Fax:

Received: 7/7/2021 09:40 AM

Attn: Jenice Feiner

Millennium Consulting Associates, Inc. 2001 S Barrington Ave Suite 209

Los Angeles, CA 90025

Project: 21015.2003 UC ANR Sierra Foothill REC

Analytical Results

Client Sample Description	SF101-PCB1	Collected:	6/30/2021	Lab ID:	012107375-0001
	B101-Roof- pentration mastic				

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1016	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1221	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1232	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1242	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1248	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1254	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1260	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1262	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1268	ND	0.45 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH

Client Sample Description SF205-PCB1 Collected: 6/30/2021 Lab ID: 012107375-0002

B205-2nd floor-storage-yellow duct insulation

Method	Parameter	Result	RL Units	Prep Date & Analys	Analysis st Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1016	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH
3540C/8082	Aroclor-1221	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH
3540C/8082	Aroclor-1232	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH
3540C/8082	Aroclor-1242	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH
3540C/8082	Aroclor-1248	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH
3540C/8082	Aroclor-1254	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH
3540C/8082	Aroclor-1260	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH
3540C/8082	Aroclor-1262	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH
3540C/8082	Aroclor-1268	ND D	0.49 mg/Kg	7/7/2021 F	PG 7/8/2021 00:00 EH

Collected: Lab ID: Client Sample Description SF206-PCB1 6/30/2021 012107375-0003

B206-Duct- pink insulation

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1016	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1221	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1232	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1242	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1248	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH



Attn:

EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

Jenice Feiner Millennium Consulting Associates, Inc. 2001 S Barrington Ave Suite 209

Los Angeles, CA 90025

Project: 21015.2003 UC ANR Sierra Foothill REC

EMSL Order: CustomerID: CustomerPO:

012107375 MECA62A KE210701-4

ProjectID:

Phone: (310) 402-8755

Fax:

Received: 7/7/2021 09:40 AM

Analytical Results

Client Sample Description SF206-PCB1 Collected: 6/30/2021 Lab ID: 012107375-0003

B206-Duct- pink insulation

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1254	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1260	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1262	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1268	ND	0.31 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH

Client Sample Description SF206-PCB2 Collected: 6/30/2021 Lab ID: 012107375-0004

B206-Wall-pink insulation

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1016	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1221	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1232	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1242	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1248	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1254	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1260	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1262	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1268	ND D	0.40 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH

Collected: Lab ID: SF206-PCB3 6/30/2021 012107375-0005 Client Sample Description

B206-2nd floor-wall-yellow insulation

Method	Parameter	Result	RL Units	Prep Date & An		Analysis Date & Analy	st
GC-SVOA							
3540C/8082	Aroclor-1016	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1221	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1232	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1242	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1248	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1254	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1260	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1262	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1268	ND D	0.46 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com

> Phone: (310) 402-8755

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012107375

MECA62A

KE210701-4

Fax:

Received: 7/7/2021 09:40 AM

Attn: Jenice Feiner

Millennium Consulting Associates, Inc. 2001 S Barrington Ave Suite 209

Los Angeles, CA 90025

Project: 21015.2003 UC ANR Sierra Foothill REC

Analytical Results

SF214-PCB1 Client Sample Description Collected: 6/30/2021 Lab ID: 012107375-0006

B214-metal panel-near door-grey caulking

Method	Parameter	Result	RL Units	Prep Date & Analys	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1016	ND	1.4 mg/Kg	7/7/2021 PG	G 7/8/2021 00:00 EH
3540C/8082	Aroclor-1221	ND	1.4 mg/Kg	7/7/2021 PG	G 7/8/2021 00:00 EH
3540C/8082	Aroclor-1232	ND	1.4 mg/Kg	7/7/2021 PG	G 7/8/2021 00:00 EH
3540C/8082	Aroclor-1242	ND	1.4 mg/Kg	7/7/2021 PG	G 7/8/2021 00:00 EH
3540C/8082	Aroclor-1248	ND	1.4 mg/Kg	7/7/2021 PG	G 7/8/2021 00:00 EH
3540C/8082	Aroclor-1254	ND	1.4 mg/Kg	7/7/2021 PG	G 7/8/2021 00:00 EH
3540C/8082	Aroclor-1260	ND	1.4 mg/Kg	7/7/2021 PG	G 7/8/2021 00:00 EH
3540C/8082	Aroclor-1262	ND	1.4 mg/Kg	7/7/2021 PG	G 7/8/2021 00:00 EH
3540C/8082	Aroclor-1268	ND	1.4 mg/Kg	7/7/2021 Po	G 7/8/2021 00:00 EH

Client Sample Description SF304-PCB1 Collected: 6/30/2021 Lab ID: 012107375-0007

B304-Ext. window-NW-White caulking

Method	Parameter	Result	RL Units	Prep Date & Anal	yst	Analysis Date & Analy	st
GC-SVOA							
3540C/8082	Aroclor-1016	ND	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1221	ND	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1232	ND	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1242	1.0	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1248	ND	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1254	ND	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1260	ND	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1262	ND	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1268	ND	0.40 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH

Collected: Lab ID: Client Sample Description SF304-PCB2 6/30/2021 012107375-0008

B304-Chimney-white caulking

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1016	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1221	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1232	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1242	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1248	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com

> Phone: (310) 402-8755

Fax:

Received: 7/7/2021 09:40 AM

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012107375

MECA62A

KE210701-4

Attn: Jenice Feiner

Millennium Consulting Associates, Inc. 2001 S Barrington Ave Suite 209

Los Angeles, CA 90025

Project: 21015.2003 UC ANR Sierra Foothill REC

Analytical Results

Client Sample Description SF304-PCB2 Collected: 6/30/2021 Lab ID: 012107375-0008

B304-Chimney-white caulking

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1254	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1260	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1262	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1268	ND D	0.47 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH

Client Sample Description SF304-PCB3 Collected: 6/30/2021 Lab ID: 012107375-0009

B304-Roof-black mastic

B308-Ext. window-NE-white caulking

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1016	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1221	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1232	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1242	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1248	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1254	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1260	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1262	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1268	ND	0.48 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH

Collected: Lab ID: Client Sample Description SF308-PCB1 6/30/2021 012107375-0010

Prep Analysis Parameter **RL Units** Method Result Date & Analyst Date & Analyst

GC-SVOA ND D 0.43 mg/Kg 7/7/2021 PG 7/8/2021 00:00 EΗ 3540C/8082 Aroclor-1016 ND D 0.43 mg/Kg 7/7/2021 PG 7/8/2021 00:00 3540C/8082 Aroclor-1221 EΗ 3540C/8082 Aroclor-1232 ND D 0.43 mg/Kg 7/7/2021 PG 7/8/2021 00:00 EΗ ND D 7/7/2021 7/8/2021 00:00 3540C/8082 Aroclor-1242 0.43 mg/Kg PG EΗ 3540C/8082 Aroclor-1248 ND D 0.43 mg/Kg 7/7/2021 PG 7/8/2021 00:00 EΗ ND D 0.43 mg/Kg 7/7/2021 PG 7/8/2021 00:00 3540C/8082 Aroclor-1254 3540C/8082 Aroclor-1260 ND D 0.43 mg/Kg 7/7/2021 PG 7/8/2021 00:00 EΗ ND D 0.43 mg/Kg 7/7/2021 PG 7/8/2021 00:00 3540C/8082 Aroclor-1262 3540C/8082 Aroclor-1268 ND D 0.43 mg/Kg 7/7/2021 PG 7/8/2021 00:00



200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com

EnvChemistry2@emsl.com

Phone: (310) 402-8755

Fax:

Received: 7/7/2021 09:40 AM

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012107375

MECA62A

KE210701-4

Attn: Jenice Feiner

Millennium Consulting Associates, Inc. 2001 S Barrington Ave Suite 209

Los Angeles, CA 90025

Project: 21015.2003 UC ANR Sierra Foothill REC

Analytical Results

Client Sample Description	SF308-PCB2	Collected:	6/30/2021	Lab ID:	012107375-0011
	B308-Roof-penetraction mastic				

Method	Parameter	Result	RL Units	Prep Date & An		Analysis Date & Analy	rst
GC-SVOA							
3540C/8082	Aroclor-1016	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1221	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1232	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1242	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1248	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1254	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1260	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1262	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1268	ND	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH

Client Sample Description SF401-PCB1 Collected: 6/30/2021 Lab ID: 012107375-0012

B401-Ext. window-white caulking

Method	Parameter	Result	RL Units	Prep Date & Analy	st	Analysis Date & Analy	st
GC-SVOA							
3540C/8082	Aroclor-1016	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1221	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1232	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1242	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1248	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1254	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1260	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1262	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH
3540C/8082	Aroclor-1268	ND D	0.47 mg/Kg	7/7/2021	PG	7/8/2021 00:00	EH

Collected: Lab ID: Client Sample Description SF401-PCB2 6/30/2021 012107375-0013

B401-Roof-black mastic

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
GC-SVOA					
3540C/8082	Aroclor-1016	ND	0.49 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1221	ND	0.49 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1232	ND	0.49 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1242	ND	0.49 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH
3540C/8082	Aroclor-1248	ND	0.49 mg/Kg	7/7/2021 PG	7/8/2021 00:00 EH



EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077 Phone/Fax: (856) 303-2500 / (856) 858-4571

http://www.EMSL.com EnvChemistry2@emsl.com

> Phone: (310) 402-8755

Fax:

Received: 7/7/2021 09:40 AM

EMSL Order:

CustomerID:

CustomerPO:

ProjectID:

012107375

MECA62A

KE210701-4

Attn: Jenice Feiner Millennium Consulting Associates, Inc. 2001 S Barrington Ave Suite 209

Los Angeles, CA 90025

Project: 21015.2003 UC ANR Sierra Foothill REC

Analytical Results

Client Sample Description SF401-PCB2 Collected: 6/30/2021 Lab ID: 012107375-0013 B401-Roof-black mastic

Method	Parameter	Result	RL Units	Prep Date & And		Analysis Date & Analyst	
GC-SVOA							
3540C/8082	Aroclor-1254	ND	0.49 mg/Kg	7/7/2021	PG	7/8/2021 00:00 E	ΞH
3540C/8082	Aroclor-1260	ND	0.49 mg/Kg	7/7/2021	PG	7/8/2021 00:00 E	ΞH
3540C/8082	Aroclor-1262	ND	0.49 mg/Kg	7/7/2021	PG	7/8/2021 00:00 E	ΞH
3540C/8082	Aroclor-1268	ND	0.49 mg/Kg	7/7/2021	PG	7/8/2021 00:00 E	ΞH

Definitions:

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results



OrderID:

Industrial Hygiene Chain of Custody EMSL Order Number (Lab Use Only):

012107375

T\$\$5833

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675 FAX: (856) 858-3502

O£

	ntact Name: J.M				Bill To Company: Millennium Consulting Associates						
Company Nar	ne: Millennium C	onsulting Associa	ates			Attention To: Jenice Feiner					
Street: 401 F	Roland Way, Ste. 2	250				Street: 401 Roland Way, Ste. 250					
City: Oakland	State	/Province: CA	Zip/Postal	Code: 94621		City: Oakland State/Province: CA Zip/Postal Code: 9					Zip/Postal Code: 946
Phone: 925/8		. 925/808-6708	3		Phone: 925/808-6700 Fax: 925/808-6708						
Project Name:	21015.2003			nill REC		U.S. State where Samples Collected: CA					
	mples in Shipment		te of Shipment:			asa Ordar: K	E21		npled By (Sign		1/00
Number of Sai	e results:				100					ature).	1
Please Provide								r@mecaenviro			
		Time - Please C				7.21					(EPA8082A PCBs
2 Week	1 Week	4 Day	3 Day	2 Day		1 Day	Ot	ther (Call Lab)	Manufactu	rer/Part #	#:
	×				-				Lot #:		
Sample ID	Media	Analyte	/ Method	Volun	ne	Sample Location				Comments	
PUBI.	BUIK	EPA 8082	A PUBS		-KE	6 30 21		B101- R00			ration mastic
PUBI -										Yello	ow duct insulation
PUBL								18204 - duc		PINK	insulation
PCB2								- wa			insulation
PCB3									Floor- Wall	01011	w insulation
PUBI								B214- met			caniking
PCB1.									window-NV		caylking
PCB3			-		-			-chi	mney		e Caniking
PUBL	1		1	1		1			window - NE		cauking
	DSH and OSHA met	hods require field b	planks. It is the II	I field sampler	r's resp	onsibility to s	ubmit				
Released By				Date		Received I	Зу	And the second			Date
9-20				01/21		7	7	tx Callo	en Palla	Acia	7/42/ 8:30
10/2	FX	1/2 - 11 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1132		pho			- Co acc	STITUS.	Cipu	11.161
Comments:					1			FX: 7961	667489	89Le	
Controlled Document - Indu	istrial Hygiene COC – R3 – 7/12/20	11	Page	of	2	pages					18



Industrial Hygiene

Chain of Custody EMSL Order Number (Lab Use Only):

EMSL ANALYTICAL, INC. 200 ROUTE 130 NORTH CINNAMINSON, NJ 08077 PHONE: (800) 220-3675 FAX: (856) 858-3502

 $^{\circ}$

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample ID	Media	Analyte / Method	Volume	Sample Date/Time	Location	Comments
PUB2	BUIK	\$PA 8082A PCBV	KE	6 30 21	B308- ROOF	Penetration mastic
PUBI	1	1	1	1	B401 - Ext. window	white caulking
PG 8 1 PG 8 2	1	1	1	1	- Rouf	white caulking Black mastic
					7	441
		9.52				
				and the second		
	No.					
LA SERVICE				HAR VENO		
Comments:					: 17 ix 7/6/21	

012107375 OrderID:

Controlled Document - Industrial Hygiene COC - R3 - 7/12/2011

Relinquished by EMSL Analytical - San Leandro Lab

4:00pm FX



APPENDIX E

Soil Laboratory Data, Chain of Custodies, and Laboratory Certifications



Pace Analytical® ANALYTICAL REPORT

Sample Delivery Group: L1376393

Project Number:

Samples Received: 07/06/2021

Millennium Consulting - Oakland, CA

Description: UC ANR Sierra Foothill REC

Report To: Jeremy Malson

401 Roland Way

21015.2003

Ste 250

Oakland, CA 94621















Entire Report Reviewed By:

Dampler Gambill

Jennifer Gambill Project Manager Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received. Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

Cp: Cover Page							
Tc: Table of Contents	2						
Ss: Sample Summary	3						
Cn: Case Narrative							
Sr: Sample Results	5						
S-01 L1376393-01	5						
S-02 L1376393-02	7						
S-03 L1376393-03	9						
S-04 L1376393-04	11						
Qc: Quality Control Summary	13						
Total Solids by Method 2540 G-2011	13						
Volatile Organic Compounds (GC) by Method 8015	14						
Semi-Volatile Organic Compounds (GC) by Method 8015	15						
Chlorinated Acid Herbicides (GC) by Method 8151	16						
OP Pesticides by Method 8141							
Pesticides (GC) by Method 8081							
GI: Glossary of Terms	23						
Al: Accreditations & Locations	24						
Sc: Sample Chain of Custody	25						



















SAMPLE SUMMARY

	SAMPLES		/IARY			
S-01 L1376393-01 Solid			Collected by CH / KE	Collected date/time 06/30/21 13:00	Received da 07/06/21 09:	
	D	Dil ii	D ::	A 1 :		
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1703147	1	07/12/21 07:48	07/12/21 07:55	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1703096	1	07/09/21 22:57	07/10/21 20:28	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1703358	1	07/11/21 10:50	07/13/21 06:18	CAG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1703534	1	07/13/21 00:23	07/14/21 11:01	JMB	Mt. Juliet, TN
OP Pesticides by Method 8141	WG1703435	1	07/13/21 09:13	07/15/21 14:30	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1703453	1	07/12/21 07:59	07/13/21 16:11	НМН	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
S-02 L1376393-02 Solid			CH / KE	06/30/21 13:10	07/06/21 09:	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1703147	1	07/12/21 07:48	07/12/21 07:55	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1703096	1	07/09/21 22:57	07/10/21 20:50	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1703358	1	07/11/21 10:50	07/13/21 06:35	CAG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1703534	1	07/13/21 00:23	07/14/21 11:16	JMB	Mt. Juliet, TN
OP Pesticides by Method 8141	WG1703435	1	07/13/21 09:13	07/15/21 15:04	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1703453	1	07/12/21 07:59	07/13/21 16:18	НМН	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
S-03 L1376393-03 Solid			CH / KE	06/30/21 13:20	07/06/21 09:	:00
Method	Batch	Dilution	Preparation	Analysis	Analyst	Location
			date/time	date/time		
Total Solids by Method 2540 G-2011	WG1703147	1	07/12/21 07:48	07/12/21 07:55	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1703096	1	07/09/21 22:57	07/10/21 21:12	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1703358	1	07/11/21 10:50	07/14/21 10:02	CAG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1703534	1	07/13/21 00:23	07/14/21 11:31	JMB	Mt. Juliet, TN
OP Pesticides by Method 8141	WG1703435	1	07/13/21 09:13	07/15/21 15:38	AO	Mt. Juliet, TN
Pesticides (GC) by Method 8081	WG1703453	1	07/12/21 07:59	07/13/21 16:25	НМН	Mt. Juliet, TN
			Collected by	Collected date/time	Received da	te/time
S-04 L1376393-04 Solid			CH / KE	06/30/21 13:30	07/06/21 09:	:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1703147	1	07/12/21 07:48	07/12/21 07:55	KDW	Mt. Juliet, TN
Volatile Organic Compounds (GC) by Method 8015	WG1703096	1	07/09/21 22:57	07/10/21 21:34	JHH	Mt. Juliet, TN
Semi-Volatile Organic Compounds (GC) by Method 8015	WG1703358	1	07/11/21 10:50	07/14/21 10:31	CAG	Mt. Juliet, TN
Chlorinated Acid Herbicides (GC) by Method 8151	WG1703534	1	07/13/21 00:23	07/14/21 11:46	JMB	Mt. Juliet, TN



















WG1703435

WG1703453

1

07/13/21 09:13

07/12/21 07:59

07/15/21 16:11

07/13/21 16:33

ΑO

HMH

Mt. Juliet, TN

Mt. Juliet, TN

PAGE:

3 of 26

OP Pesticides by Method 8141

Pesticides (GC) by Method 8081

CASE NARRATIVE

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times, unless qualified or notated within the report. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

¹Cp

















Jennifer Gambill Project Manager

Collected date/time: 06/30/21 13:00

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	66.7		1	07/12/2021 07:55	WG1703147

²TC

²Tc

Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.0332	0.100	1	07/10/2021 20:28	WG1703096
(S) a,a,a-Trifluorotoluene(FID)	91.6			77.0-120		07/10/2021 20:28	<u>WG1703096</u>



Ss

⁵Sr

Semi-Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	1.54	J	0.733	4.00	1	07/13/2021 06:18	WG1703358
C22-C32 Hydrocarbons	2.38	<u>J</u>	1.33	4.00	1	07/13/2021 06:18	WG1703358
C32-C40 Hydrocarbons	U		1.33	4.00	1	07/13/2021 06:18	WG1703358
(S) o-Terphenyl	<i>75.7</i>			18.0-148		07/13/2021 06:18	WG1703358





9 5 6

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
2,4-D	U		0.00702	0.0700	1	07/14/2021 11:01	WG1703534
Dalapon	U		0.0113	0.0700	1	07/14/2021 11:01	WG1703534
2,4-DB	U		0.0297	0.0700	1	07/14/2021 11:01	WG1703534
Dicamba	U		0.0157	0.0700	1	07/14/2021 11:01	WG1703534
Dichloroprop	U		0.0245	0.0700	1	07/14/2021 11:01	WG1703534
Dinoseb	U		0.00697	0.0700	1	07/14/2021 11:01	WG1703534
MCPA	U	<u>J4</u>	0.443	6.50	1	07/14/2021 11:01	WG1703534
MCPP	U	<u>J4</u>	0.367	6.50	1	07/14/2021 11:01	WG1703534
2,4,5-T	U		0.00852	0.0700	1	07/14/2021 11:01	WG1703534
2,4,5-TP (Silvex)	U		0.0107	0.0700	1	07/14/2021 11:01	WG1703534
(S) 2,4-Dichlorophenyl Acetic Acid	52.4			22.0-132		07/14/2021 11:01	<u>WG1703534</u>

⁹Sc

OP Pesticides by Method 8141

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Azinphos-Methyl	U	<u>T8</u>	0.0318	0.100	1	07/15/2021 14:30	WG1703435
Bolstar (Sulprofos)	U	<u>T8</u>	0.0149	0.100	1	07/15/2021 14:30	WG1703435
Chlorpyrifos	U	<u>T8</u>	0.0157	0.100	1	07/15/2021 14:30	WG1703435
Coumaphos	U	<u>T8</u>	0.0243	0.100	1	07/15/2021 14:30	WG1703435
Demeton,-O and -S	U	<u>T8</u>	0.00584	0.0700	1	07/15/2021 14:30	WG1703435
Diazinon	U	<u>T8</u>	0.0225	0.100	1	07/15/2021 14:30	WG1703435
Dichlorvos	U	<u>T8</u>	0.0300	0.100	1	07/15/2021 14:30	WG1703435
Dimethoate	U	<u>T8</u>	0.0334	0.100	1	07/15/2021 14:30	WG1703435
Disulfoton	U	<u>T8</u>	0.0254	0.100	1	07/15/2021 14:30	WG1703435
EPN	U	<u>T8</u>	0.0276	0.100	1	07/15/2021 14:30	WG1703435
Ethoprop	U	<u>T8</u>	0.0118	0.100	1	07/15/2021 14:30	WG1703435
Ethyl Parathion	U	<u>T8</u>	0.0164	0.100	1	07/15/2021 14:30	WG1703435
Fensulfothion	U	<u>T8</u>	0.0353	0.100	1	07/15/2021 14:30	WG1703435
Fenthion	U	<u>T8</u>	0.0133	0.100	1	07/15/2021 14:30	WG1703435
Malathion	U	<u>T8</u>	0.0179	0.100	1	07/15/2021 14:30	WG1703435
Merphos	U	<u>T8</u>	0.0232	0.100	1	07/15/2021 14:30	WG1703435
Methyl parathion	U	<u>T8</u>	0.0203	0.100	1	07/15/2021 14:30	WG1703435
Mevinphos	U	<u>T8</u>	0.0230	0.100	1	07/15/2021 14:30	WG1703435
Naled	U	<u>T8</u>	0.0480	0.100	1	07/15/2021 14:30	WG1703435

OP Pesticides by Method 8141

Collected date/time: 06/30/21 13:00

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Phorate	U	<u>T8</u>	0.0210	0.100	1	07/15/2021 14:30	WG1703435
Ronnel	U	<u>T8</u>	0.0149	0.100	1	07/15/2021 14:30	WG1703435
Stirophos	U	<u>T8</u>	0.0178	0.100	1	07/15/2021 14:30	WG1703435
Sulfotep	U	<u>T8</u>	0.00986	0.100	1	07/15/2021 14:30	WG1703435
TEPP	U	J4 T8	0.157	1.00	1	07/15/2021 14:30	WG1703435
Tokuthion (Prothothiofos)	U	<u>T8</u>	0.0150	0.100	1	07/15/2021 14:30	WG1703435
Trichloronate	U	J4 T8	0.0201	0.100	1	07/15/2021 14:30	WG1703435
(S) Triphenyl Phosphate	74.2			36.0-121		07/15/2021 14:30	WG1703435









Pesticides (GC) by Method 8081

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00376	0.0200	1	07/13/2021 16:11	WG1703453
Alpha BHC	U		0.00368	0.0200	1	07/13/2021 16:11	WG1703453
Beta BHC	U		0.00379	0.0200	1	07/13/2021 16:11	WG1703453
Delta BHC	U		0.00346	0.0200	1	07/13/2021 16:11	WG1703453
Gamma BHC	U		0.00344	0.0200	1	07/13/2021 16:11	WG1703453
4,4-DDD	U		0.00370	0.0200	1	07/13/2021 16:11	WG1703453
4,4-DDE	U		0.00366	0.0200	1	07/13/2021 16:11	WG1703453
4,4-DDT	U		0.00627	0.0200	1	07/13/2021 16:11	WG1703453
Dieldrin	U		0.00344	0.0200	1	07/13/2021 16:11	WG1703453
Endosulfan I	U		0.00363	0.0200	1	07/13/2021 16:11	WG1703453
Endosulfan II	U		0.00335	0.0200	1	07/13/2021 16:11	WG1703453
Endosulfan sulfate	U		0.00364	0.0200	1	07/13/2021 16:11	WG1703453
Endrin	U		0.00350	0.0200	1	07/13/2021 16:11	WG1703453
Endrin aldehyde	U		0.00339	0.0200	1	07/13/2021 16:11	WG1703453
Endrin ketone	U		0.00711	0.0200	1	07/13/2021 16:11	WG1703453
Heptachlor	U		0.00428	0.0200	1	07/13/2021 16:11	WG1703453
Heptachlor epoxide	U		0.00339	0.0200	1	07/13/2021 16:11	WG1703453
Hexachlorobenzene	U		0.00346	0.0200	1	07/13/2021 16:11	WG1703453
Methoxychlor	U		0.00484	0.0200	1	07/13/2021 16:11	WG1703453
Chlordane	U		0.103	0.300	1	07/13/2021 16:11	WG1703453
Toxaphene	U		0.124	0.400	1	07/13/2021 16:11	WG1703453
(S) Decachlorobiphenyl	149	<u>J1</u>		10.0-135		07/13/2021 16:11	WG1703453
(S) Tetrachloro-m-xylene	48.0			10.0-139		07/13/2021 16:11	WG1703453









Collected date/time: 06/30/21 13:10

Total Solids b	/ Method 254	0 G-2011
----------------	--------------	----------

	Result	Qualifier	Dilution	Analysis	<u>Batch</u>
Analyte	%			date / time	
Total Solids	76.7		1	07/12/2021 07:55	WG1703147

Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.0332	0.100	1	07/10/2021 20:50	WG1703096
(S) a,a,a-Trifluorotoluene(FID)	92.3			77.0-120		07/10/2021 20:50	<u>WG1703096</u>



Semi-Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	U		0.733	4.00	1	07/13/2021 06:35	WG1703358
C22-C32 Hydrocarbons	U		1.33	4.00	1	07/13/2021 06:35	WG1703358
C32-C40 Hydrocarbons	U		1.33	4.00	1	07/13/2021 06:35	WG1703358
(S) o-Terphenyl	88.5			18.0-148		07/13/2021 06:35	WG1703358



Gl

Chlorinated Acid H	Chlorinated Acid Herbicides (GC) by Method 8151								
	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>		
Analyte	mg/kg		mg/kg	mg/kg		date / time			
2,4-D	U		0.00702	0.0700	1	07/14/2021 11:16	WG1703534		
Dalapon	U		0.0113	0.0700	1	07/14/2021 11:16	WG1703534		
2,4-DB	U		0.0297	0.0700	1	07/14/2021 11:16	WG1703534		
Dicamba	U		0.0157	0.0700	1	07/14/2021 11:16	WG1703534		
Dichloroprop	U		0.0245	0.0700	1	07/14/2021 11:16	WG1703534		
Dinoseb	U		0.00697	0.0700	1	07/14/2021 11:16	WG1703534		
MCPA	U	<u>J4</u>	0.443	6.50	1	07/14/2021 11:16	WG1703534		
MCPP	U	<u>J4</u>	0.367	6.50	1	07/14/2021 11:16	WG1703534		
2,4,5-T	U		0.00852	0.0700	1	07/14/2021 11:16	WG1703534		
2,4,5-TP (Silvex)	U		0.0107	0.0700	1	07/14/2021 11:16	WG1703534		
(S) 2,4-Dichlorophenyl Acetic Acid	58.0			22.0-132		07/14/2021 11:16	WG1703534		

Sc

Αl

OP Pesticides by Method 8141

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Azinphos-Methyl	U	<u>T8</u>	0.0318	0.100	1	07/15/2021 15:04	WG1703435
Bolstar (Sulprofos)	U	<u>T8</u>	0.0149	0.100	1	07/15/2021 15:04	WG1703435
Chlorpyrifos	U	<u>T8</u>	0.0157	0.100	1	07/15/2021 15:04	WG1703435
Coumaphos	U	<u>T8</u>	0.0243	0.100	1	07/15/2021 15:04	WG1703435
Demeton,-O and -S	U	<u>T8</u>	0.00584	0.0700	1	07/15/2021 15:04	WG1703435
Diazinon	U	<u>T8</u>	0.0225	0.100	1	07/15/2021 15:04	WG1703435
Dichlorvos	U	<u>T8</u>	0.0300	0.100	1	07/15/2021 15:04	WG1703435
Dimethoate	U	<u>T8</u>	0.0334	0.100	1	07/15/2021 15:04	WG1703435
Disulfoton	U	<u>T8</u>	0.0254	0.100	1	07/15/2021 15:04	WG1703435
EPN	U	<u>T8</u>	0.0276	0.100	1	07/15/2021 15:04	WG1703435
Ethoprop	U	<u>T8</u>	0.0118	0.100	1	07/15/2021 15:04	WG1703435
Ethyl Parathion	U	<u>T8</u>	0.0164	0.100	1	07/15/2021 15:04	WG1703435
Fensulfothion	U	<u>T8</u>	0.0353	0.100	1	07/15/2021 15:04	WG1703435
Fenthion	U	<u>T8</u>	0.0133	0.100	1	07/15/2021 15:04	WG1703435
Malathion	U	<u>T8</u>	0.0179	0.100	1	07/15/2021 15:04	WG1703435
Merphos	U	<u>T8</u>	0.0232	0.100	1	07/15/2021 15:04	WG1703435
Methyl parathion	U	<u>T8</u>	0.0203	0.100	1	07/15/2021 15:04	WG1703435
Mevinphos	U	<u>T8</u>	0.0230	0.100	1	07/15/2021 15:04	WG1703435
Naled	U	<u>T8</u>	0.0480	0.100	1	07/15/2021 15:04	WG1703435

7 of 26

L1376393

OP Pesticides by Method 8141

Collected date/time: 06/30/21 13:10

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>	
Analyte	mg/kg		mg/kg	mg/kg		date / time		
Phorate	U	<u>T8</u>	0.0210	0.100	1	07/15/2021 15:04	WG1703435	
Ronnel	U	<u>T8</u>	0.0149	0.100	1	07/15/2021 15:04	WG1703435	
Stirophos	U	<u>T8</u>	0.0178	0.100	1	07/15/2021 15:04	WG1703435	
Sulfotep	U	<u>T8</u>	0.00986	0.100	1	07/15/2021 15:04	WG1703435	
TEPP	U	<u>J4 T8</u>	0.157	1.00	1	07/15/2021 15:04	WG1703435	
Tokuthion (Prothothiofos)	U	<u>T8</u>	0.0150	0.100	1	07/15/2021 15:04	WG1703435	
Trichloronate	U	<u>J4 T8</u>	0.0201	0.100	1	07/15/2021 15:04	WG1703435	
(S) Triphenyl Phosphate	81.5			36.0-121		07/15/2021 15:04	WG1703435	











Pesticides (GC) by Method 8081

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00376	0.0200	1	07/13/2021 16:18	WG1703453
Alpha BHC	U		0.00368	0.0200	1	07/13/2021 16:18	WG1703453
Beta BHC	U		0.00379	0.0200	1	07/13/2021 16:18	WG1703453
Delta BHC	U		0.00346	0.0200	1	07/13/2021 16:18	WG1703453
Gamma BHC	U		0.00344	0.0200	1	07/13/2021 16:18	WG1703453
4,4-DDD	U		0.00370	0.0200	1	07/13/2021 16:18	WG1703453
4,4-DDE	U		0.00366	0.0200	1	07/13/2021 16:18	WG1703453
4,4-DDT	U		0.00627	0.0200	1	07/13/2021 16:18	WG1703453
Dieldrin	U		0.00344	0.0200	1	07/13/2021 16:18	WG1703453
Endosulfan I	U		0.00363	0.0200	1	07/13/2021 16:18	WG1703453
Endosulfan II	U		0.00335	0.0200	1	07/13/2021 16:18	WG1703453
Endosulfan sulfate	U		0.00364	0.0200	1	07/13/2021 16:18	WG1703453
Endrin	U		0.00350	0.0200	1	07/13/2021 16:18	WG1703453
Endrin aldehyde	U		0.00339	0.0200	1	07/13/2021 16:18	WG1703453
Endrin ketone	U		0.00711	0.0200	1	07/13/2021 16:18	WG1703453
Heptachlor	U		0.00428	0.0200	1	07/13/2021 16:18	WG1703453
Heptachlor epoxide	U		0.00339	0.0200	1	07/13/2021 16:18	WG1703453
Hexachlorobenzene	U		0.00346	0.0200	1	07/13/2021 16:18	WG1703453
Methoxychlor	U		0.00484	0.0200	1	07/13/2021 16:18	WG1703453
Chlordane	U		0.103	0.300	1	07/13/2021 16:18	WG1703453
Toxaphene	U		0.124	0.400	1	07/13/2021 16:18	WG1703453
(S) Decachlorobiphenyl	42.9			10.0-135		07/13/2021 16:18	WG1703453
(S) Tetrachloro-m-xylene	56.3			10.0-139		07/13/2021 16:18	WG1703453







Collected date/time: 06/30/21 13:20

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	85.5		1	07/12/2021 07:55	WG1703147

Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.0332	0.100	1	07/10/2021 21:12	WG1703096
(S) a,a,a-Trifluorotoluene(FID)	90.3			77.0-120		07/10/2021 21:12	<u>WG1703096</u>



TPHG C5 - C12	U	0.0332	0.100	1	07/10/2021 21:12	WG1703096
(S) a,a,a-Trifluorotoluene(FID)	90.3		77.0-120		07/10/2021 21:12	WG1703096



Semi-Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	5.00		0.733	4.00	1	07/14/2021 10:02	WG1703358
C22-C32 Hydrocarbons	9.60		1.33	4.00	1	07/14/2021 10:02	WG1703358
C32-C40 Hydrocarbons	12.1		1.33	4.00	1	07/14/2021 10:02	WG1703358
(S) o-Terphenyl	73.6			18.0-148		07/14/2021 10:02	WG1703358



Αl

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
2,4-D	U		0.00702	0.0700	1	07/14/2021 11:31	WG1703534
Dalapon	U		0.0113	0.0700	1	07/14/2021 11:31	WG1703534
2,4-DB	U		0.0297	0.0700	1	07/14/2021 11:31	WG1703534
Dicamba	U		0.0157	0.0700	1	07/14/2021 11:31	WG1703534
Dichloroprop	U		0.0245	0.0700	1	07/14/2021 11:31	WG1703534
Dinoseb	U		0.00697	0.0700	1	07/14/2021 11:31	WG1703534
MCPA	U	<u>J4</u>	0.443	6.50	1	07/14/2021 11:31	WG1703534
MCPP	U	<u>J4</u>	0.367	6.50	1	07/14/2021 11:31	WG1703534
2,4,5-T	U		0.00852	0.0700	1	07/14/2021 11:31	WG1703534
2,4,5-TP (Silvex)	U		0.0107	0.0700	1	07/14/2021 11:31	WG1703534
(S) 2,4-Dichlorophenyl Ac	cetic 66.5			22.0-132		07/14/2021 11:31	WG1703534

³Sc

OP Pesticides by Method 8141

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Azinphos-Methyl	U	<u>T8</u>	0.0318	0.100	1	07/15/2021 15:38	WG1703435
Bolstar (Sulprofos)	U	<u>T8</u>	0.0149	0.100	1	07/15/2021 15:38	WG1703435
Chlorpyrifos	U	<u>T8</u>	0.0157	0.100	1	07/15/2021 15:38	WG1703435
Coumaphos	U	<u>T8</u>	0.0243	0.100	1	07/15/2021 15:38	WG1703435
Demeton,-O and -S	U	<u>T8</u>	0.00584	0.0700	1	07/15/2021 15:38	WG1703435
Diazinon	U	<u>T8</u>	0.0225	0.100	1	07/15/2021 15:38	WG1703435
Dichlorvos	U	<u>T8</u>	0.0300	0.100	1	07/15/2021 15:38	WG1703435
Dimethoate	U	<u>T8</u>	0.0334	0.100	1	07/15/2021 15:38	WG1703435
Disulfoton	U	<u>T8</u>	0.0254	0.100	1	07/15/2021 15:38	WG1703435
EPN	U	<u>T8</u>	0.0276	0.100	1	07/15/2021 15:38	WG1703435
Ethoprop	U	<u>T8</u>	0.0118	0.100	1	07/15/2021 15:38	WG1703435
Ethyl Parathion	U	<u>T8</u>	0.0164	0.100	1	07/15/2021 15:38	WG1703435
Fensulfothion	U	<u>T8</u>	0.0353	0.100	1	07/15/2021 15:38	WG1703435
Fenthion	U	<u>T8</u>	0.0133	0.100	1	07/15/2021 15:38	WG1703435
Malathion	U	<u>T8</u>	0.0179	0.100	1	07/15/2021 15:38	WG1703435
Merphos	U	<u>T8</u>	0.0232	0.100	1	07/15/2021 15:38	WG1703435
Methyl parathion	U	<u>T8</u>	0.0203	0.100	1	07/15/2021 15:38	WG1703435
Mevinphos	U	<u>T8</u>	0.0230	0.100	1	07/15/2021 15:38	WG1703435
Naled	U	<u>T8</u>	0.0480	0.100	1	07/15/2021 15:38	WG1703435

9 of 26

L1376393

Collected date/time: 06/30/21 13:20
OP Pesticides by Method 8141

or resticiacs by i							
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Phorate	U	<u>T8</u>	0.0210	0.100	1	07/15/2021 15:38	WG1703435
Ronnel	U	<u>T8</u>	0.0149	0.100	1	07/15/2021 15:38	WG1703435
Stirophos	U	<u>T8</u>	0.0178	0.100	1	07/15/2021 15:38	WG1703435
Sulfotep	U	<u>T8</u>	0.00986	0.100	1	07/15/2021 15:38	WG1703435
TEPP	U	<u>J4 T8</u>	0.157	1.00	1	07/15/2021 15:38	WG1703435
Tokuthion (Prothothiofos)	U	<u>T8</u>	0.0150	0.100	1	07/15/2021 15:38	WG1703435
Trichloronate	U	<u>J4 T8</u>	0.0201	0.100	1	07/15/2021 15:38	WG1703435
(S) Triphenyl Phosphate	94.7			36.0-121		07/15/2021 15:38	WG1703435

¹Cp









	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00376	0.0200	1	07/13/2021 16:25	WG1703453
Alpha BHC	U		0.00368	0.0200	1	07/13/2021 16:25	WG1703453
Beta BHC	U		0.00379	0.0200	1	07/13/2021 16:25	WG1703453
Delta BHC	U		0.00346	0.0200	1	07/13/2021 16:25	WG1703453
Gamma BHC	U		0.00344	0.0200	1	07/13/2021 16:25	WG1703453
4,4-DDD	U		0.00370	0.0200	1	07/13/2021 16:25	WG1703453
4,4-DDE	U		0.00366	0.0200	1	07/13/2021 16:25	WG1703453
4,4-DDT	U		0.00627	0.0200	1	07/13/2021 16:25	WG1703453
Dieldrin	U		0.00344	0.0200	1	07/13/2021 16:25	WG1703453
Endosulfan I	U		0.00363	0.0200	1	07/13/2021 16:25	WG1703453
Endosulfan II	U		0.00335	0.0200	1	07/13/2021 16:25	WG1703453
Endosulfan sulfate	U		0.00364	0.0200	1	07/13/2021 16:25	WG1703453
Endrin	U		0.00350	0.0200	1	07/13/2021 16:25	WG1703453
Endrin aldehyde	U		0.00339	0.0200	1	07/13/2021 16:25	WG1703453
Endrin ketone	U		0.00711	0.0200	1	07/13/2021 16:25	WG1703453
Heptachlor	U		0.00428	0.0200	1	07/13/2021 16:25	WG1703453
Heptachlor epoxide	U		0.00339	0.0200	1	07/13/2021 16:25	WG1703453
Hexachlorobenzene	U		0.00346	0.0200	1	07/13/2021 16:25	WG1703453
Methoxychlor	U		0.00484	0.0200	1	07/13/2021 16:25	WG1703453
Chlordane	U		0.103	0.300	1	07/13/2021 16:25	WG1703453
Toxaphene	U		0.124	0.400	1	07/13/2021 16:25	WG1703453
(S) Decachlorobiphenyl	42.4			10.0-135		07/13/2021 16:25	WG1703453
(S) Tetrachloro-m-xylene	57.1			10.0-139		07/13/2021 16:25	WG1703453









Collected date/time: 06/30/21 13:30

Total Solids by Method 2540 G-2011

	Result	Qualifier	Dilution	Analysis	Batch
Analyte	%			date / time	
Total Solids	68.6		1	07/12/2021 07:55	WG1703147





Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
TPHG C5 - C12	U		0.0332	0.100	1	07/10/2021 21:34	WG1703096
(S) a,a,a-Trifluorotoluene(FID)	93.8			77.0-120		07/10/2021 21:34	<u>WG1703096</u>



Ss



Semi-Volatile Organic Compounds (GC) by Method 8015

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
C12-C22 Hydrocarbons	10.5		0.733	4.00	1	07/14/2021 10:31	WG1703358
C22-C32 Hydrocarbons	66.7		1.33	4.00	1	07/14/2021 10:31	WG1703358
C32-C40 Hydrocarbons	37.4		1.33	4.00	1	07/14/2021 10:31	WG1703358
(S) o-Terphenyl	39.7			18.0-148		07/14/2021 10:31	WG1703358





Αl

Chlorinated Acid Herbicides (GC) by Method 8151

	Result	Qualifier	MDL	RDL	Dilution	Analysis	<u>Batch</u>
Analyte	mg/kg		mg/kg	mg/kg		date / time	
2,4-D	U		0.00702	0.0700	1	07/14/2021 11:46	WG1703534
Dalapon	U		0.0113	0.0700	1	07/14/2021 11:46	WG1703534
2,4-DB	U		0.0297	0.0700	1	07/14/2021 11:46	WG1703534
Dicamba	U		0.0157	0.0700	1	07/14/2021 11:46	WG1703534
Dichloroprop	U		0.0245	0.0700	1	07/14/2021 11:46	WG1703534
Dinoseb	U		0.00697	0.0700	1	07/14/2021 11:46	WG1703534
MCPA	U	<u>J4</u>	0.443	6.50	1	07/14/2021 11:46	WG1703534
MCPP	U	<u>J4</u>	0.367	6.50	1	07/14/2021 11:46	WG1703534
2,4,5-T	U		0.00852	0.0700	1	07/14/2021 11:46	WG1703534
2,4,5-TP (Silvex)	U		0.0107	0.0700	1	07/14/2021 11:46	WG1703534
(S) 2,4-Dichlorophenyl Acetic	52.3			22.0-132		07/14/2021 11:46	WG1703534

Sc

OP Pesticides by Method 8141

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Azinphos-Methyl	U	<u>T8</u>	0.0318	0.100	1	07/15/2021 16:11	WG1703435
Bolstar (Sulprofos)	U	<u>T8</u>	0.0149	0.100	1	07/15/2021 16:11	WG1703435
Chlorpyrifos	U	<u>T8</u>	0.0157	0.100	1	07/15/2021 16:11	WG1703435
Coumaphos	U	<u>T8</u>	0.0243	0.100	1	07/15/2021 16:11	WG1703435
Demeton,-O and -S	U	<u>T8</u>	0.00584	0.0700	1	07/15/2021 16:11	WG1703435
Diazinon	U	<u>T8</u>	0.0225	0.100	1	07/15/2021 16:11	WG1703435
Dichlorvos	U	<u>T8</u>	0.0300	0.100	1	07/15/2021 16:11	WG1703435
Dimethoate	U	<u>T8</u>	0.0334	0.100	1	07/15/2021 16:11	WG1703435
Disulfoton	U	<u>T8</u>	0.0254	0.100	1	07/15/2021 16:11	WG1703435
EPN	U	<u>T8</u>	0.0276	0.100	1	07/15/2021 16:11	WG1703435
Ethoprop	U	<u>T8</u>	0.0118	0.100	1	07/15/2021 16:11	WG1703435
Ethyl Parathion	U	<u>T8</u>	0.0164	0.100	1	07/15/2021 16:11	WG1703435
Fensulfothion	U	<u>T8</u>	0.0353	0.100	1	07/15/2021 16:11	WG1703435
Fenthion	U	<u>T8</u>	0.0133	0.100	1	07/15/2021 16:11	WG1703435
Malathion	U	<u>T8</u>	0.0179	0.100	1	07/15/2021 16:11	WG1703435
Merphos	U	<u>T8</u>	0.0232	0.100	1	07/15/2021 16:11	WG1703435
Methyl parathion	U	<u>T8</u>	0.0203	0.100	1	07/15/2021 16:11	WG1703435
Mevinphos	U	<u>T8</u>	0.0230	0.100	1	07/15/2021 16:11	WG1703435
Naled	U	<u>T8</u>	0.0480	0.100	1	07/15/2021 16:11	WG1703435

L1376393

Collected date/time: 06/30/21 13:30
OP Pesticides by Method 8141

•							
	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Phorate	U	<u>T8</u>	0.0210	0.100	1	07/15/2021 16:11	WG1703435
Ronnel	U	<u>T8</u>	0.0149	0.100	1	07/15/2021 16:11	WG1703435
Stirophos	U	<u>T8</u>	0.0178	0.100	1	07/15/2021 16:11	WG1703435
Sulfotep	U	<u>T8</u>	0.00986	0.100	1	07/15/2021 16:11	WG1703435
TEPP	U	<u>J4 T8</u>	0.157	1.00	1	07/15/2021 16:11	WG1703435
Tokuthion (Prothothiofos)	U	<u>T8</u>	0.0150	0.100	1	07/15/2021 16:11	WG1703435
Trichloronate	U	<u>J4 T8</u>	0.0201	0.100	1	07/15/2021 16:11	WG1703435
(S) Triphenyl Phosphate	57.8			36.0-121		07/15/2021 16:11	WG1703435

¹Cp







Pesticides (GC) by Method 8081

	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
Analyte	mg/kg		mg/kg	mg/kg		date / time	
Aldrin	U		0.00376	0.0200	1	07/13/2021 16:33	WG1703453
Alpha BHC	U		0.00368	0.0200	1	07/13/2021 16:33	WG1703453
Beta BHC	U		0.00379	0.0200	1	07/13/2021 16:33	WG1703453
Delta BHC	U		0.00346	0.0200	1	07/13/2021 16:33	WG1703453
Gamma BHC	U		0.00344	0.0200	1	07/13/2021 16:33	WG1703453
4,4-DDD	U		0.00370	0.0200	1	07/13/2021 16:33	WG1703453
4,4-DDE	U		0.00366	0.0200	1	07/13/2021 16:33	WG1703453
4,4-DDT	U		0.00627	0.0200	1	07/13/2021 16:33	WG1703453
Dieldrin	U		0.00344	0.0200	1	07/13/2021 16:33	WG1703453
Endosulfan I	U		0.00363	0.0200	1	07/13/2021 16:33	WG1703453
Endosulfan II	U		0.00335	0.0200	1	07/13/2021 16:33	WG1703453
Endosulfan sulfate	U		0.00364	0.0200	1	07/13/2021 16:33	WG1703453
Endrin	U		0.00350	0.0200	1	07/13/2021 16:33	WG1703453
Endrin aldehyde	U		0.00339	0.0200	1	07/13/2021 16:33	WG1703453
Endrin ketone	U		0.00711	0.0200	1	07/13/2021 16:33	WG1703453
Heptachlor	U		0.00428	0.0200	1	07/13/2021 16:33	WG1703453
Heptachlor epoxide	U		0.00339	0.0200	1	07/13/2021 16:33	WG1703453
Hexachlorobenzene	U		0.00346	0.0200	1	07/13/2021 16:33	WG1703453
Methoxychlor	U		0.00484	0.0200	1	07/13/2021 16:33	WG1703453
Chlordane	U		0.103	0.300	1	07/13/2021 16:33	WG1703453
Toxaphene	U		0.124	0.400	1	07/13/2021 16:33	WG1703453
(S) Decachlorobiphenyl	36.9			10.0-135		07/13/2021 16:33	WG1703453
(S) Tetrachloro-m-xylene	46.8			10.0-139		07/13/2021 16:33	WG1703453









QUALITY CONTROL SUMMARY

Total Solids by Method 2540 G-2011

L1376393-01,02,03,04

Method Blank (MB)

(MB) R3678551-1 07/1:	12/21 07:55			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	%		%	%
Total Solids	0.00200			

3 C.C.

L1376389-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1376389-01 07/12/21 07:55 • (DUP) R3678551-3 07/12/21 07:55

	Original Resu	It DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	%	%		%		%	
Total Solids	76.1	73.6	1	3.28		10	



Laboratory Control Sample (LCS)

(LCS) R3678551-2 07/12/21 07:55

(LCS) K3078331-2 07/12/2	Spike Amount LC		Result LCS Rec.	Rec. Limits
Analyte	% %	%	%	%
Total Solids	50.0 50	0 50.0	100	85.0-115





QUALITY CONTROL SUMMARY

Volatile Organic Compounds (GC) by Method 8015

L1376393-01,02,03,04

Method Blank (MB)

(MB) R3678026-2 07/10/	21 14:04				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
TPHG C5 - C12	U		0.0332	0.100	
(S) a,a,a-Trifluorotoluene(FID)	91.8			77.0-120	

Laboratory Control Sample (LCS)

(LCS) R3678026-1 07/10/	21 13:20				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
TPHG C5 - C12	5.50	6.13	111	72.0-125	
(S) a.a.a-Trifluorotoluene(FID)			114	77.0-120	









QUALITY CONTROL SUMMARY

Semi-Volatile Organic Compounds (GC) by Method 8015

L1376393-01,02,03,04

Method Blank (MB)

(MB) R3678420-1 07/12	/21 13:20			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
C22-C32 Hydrocarbons	U		1.33	4.00
C12-C22 Hydrocarbons	U		0.733	4.00
C32-C40 Hydrocarbons	U		1.33	4.00
(S) o-Terphenyl	91.6			18.0-148









Laboratory Control Sample (LCS)

. ,					
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
C22-C32 Hydrocarbons	25.0	22.8	91.2	50.0-150	
C12-C22 Hydrocarbons	25.0	25.0	100	50.0-150	
(S) o-Terphenyl					











(OS) I 1374283-24 07/13/21 08:00 • (MS) P3678420-3 07/13/21 08:15 • (MSD) P3678420-4 07/13/21 08:32

(O3) 11374203-24 07/13/21 00:00 • (N13) K3070420-3 07/13/21 00:13 • (N13) K3070420-4 07/13/21 00:32													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
C22-C32 Hydrocarbons	24.6	U	15.4	19.7	62.6	80.1	1	50.0-150		<u>J3</u>	24.5	20	
C12-C22 Hydrocarbons	24.6	U	14.4	18.8	58.5	76.4	1	50.0-150		<u>J3</u>	26.5	20	
(S) o-Terphenyl					58.2	51.2		18.0-148					



QUALITY CONTROL SUMMARY

Chlorinated Acid Herbicides (GC) by Method 8151

22.0-132

L1376393-01,02,03,04

Method Blank (MB)

(MB) R3679518-1 07	7/14/21 05:19			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/kg		mg/kg	mg/kg
2,4-D	U		0.00702	0.0700
Dalapon	U		0.0113	0.0700
2,4-DB	U		0.0297	0.0700
Dicamba	U		0.0157	0.0700
Dichloroprop	U		0.0245	0.0700
Dinoseb	U		0.00697	0.0700
MCPA	U		0.443	6.50
MCPP	U		0.367	6.50
2,4,5-T	U		0.00852	0.0700
2,4,5-TP (Silvex)	U		0.0107	0.0700

Laboratory Control Sample (LCS)

(S) 2,4-Dichlorophenyl Acetic Acid 76.6

(LCS) R3679518-2 07	7/14/21 05:33				
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
2,4-D	0.167	0.137	82.0	40.0-120	
Dalapon	0.167	0.128	76.6	15.0-120	
2,4-DB	0.167	0.163	97.6	25.0-143	<u>P</u>
Dicamba	0.167	0.140	83.8	43.0-120	
Dichloroprop	0.167	0.150	89.8	32.0-129	
Dinoseb	0.167	0.121	72.5	10.0-120	
MCPA	1.67	3.57	214	31.0-121	<u>J4</u>
MCPP	1.67	2.53	151	28.0-133	<u>J4</u>
2,4,5-T	0.167	0.158	94.6	41.0-120	
2,4,5-TP (Silvex)	0.167	0.149	89.2	42.0-120	<u>P</u>
(S) 2,4-Dichlorophenyl A Acid	Acetic		98.8	22.0-132	

L1374929-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

OS) L1374929-02 07/14/21 06:17 • (MS) R3679518-3 07/14/21 06:32 • (MSD) R3679518-4 07/14/21 06:47													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%	
2,4-D	0.166	U	0.148	0.135	89.2	81.8	1	10.0-160	<u>P</u>	<u>P</u>	9.19	24	
Dalapon	0.166	U	0.122	0.116	73.5	70.3	1	10.0-121			5.04	27	
2,4-DB	0.166	U	0.187	0.179	113	108	1	10.0-160		<u>P</u>	4.37	22	
Dicamba	0.166	U	0.143	0.132	86.1	80.0	1	10.0-154			8.00	21	

 ACCOUNT:
 PROJECT:
 SDG:
 DATE/TIME:
 PAGE:

 Millennium Consulting - Oakland, CA
 21015.2003
 L1376393
 07/16/21 08:01
 16 of 26

QUALITY CONTROL SUMMARY

Chlorinated Acid Herbicides (GC) by Method 8151

L1376393-01,02,03,04

L1374929-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1374929-02 07/14/21 06:17 • (MS) R3679518-3 07/14/21 06:32 • (MSD) R3679518-4 07/14/21 06:47

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Dichloroprop	0.166	U	0.261	0.251	157	152	1	10.0-158	<u>P</u>	<u>P</u>	3.91	20
Dinoseb	0.166	U	0.120	0.105	72.3	63.6	1	10.0-120	<u>P</u>	<u>P</u>	13.3	40
MCPA	1.66	U	15.0	14.6	904	885	1	10.0-160	<u>J5</u>	<u>J5</u>	2.70	40
MCPP	1.66	U	11.8	14.8	711	897	1	10.0-160	<u>J5</u>	<u>J5 P</u>	22.6	40
2,4,5-T	0.166	U	0.157	0.148	94.6	89.7	1	10.0-157	<u>P</u>	<u>P</u>	5.90	20
2,4,5-TP (Silvex)	0.166	U	0.163	0.147	98.2	89.1	1	10.0-156	<u>P</u>	<u>P</u>	10.3	20
(S) 2,4-Dichlorophenyl Acetic Acid					106	98.8		22.0-132				



















QUALITY CONTROL SUMMARY

L1376393-01,02,03,04

OP Pesticides by Method 8141 Method Blank (MB)

Mictiloa Blank (Mi	٥,				
(MB) R3679976-1 07/14/	21 20:41				
	MB Result	MB Qualifier	MB MDL	MB RDL	
Analyte	mg/kg		mg/kg	mg/kg	
Azinphos-Methyl	U		0.0318	0.100	
Bolstar (Sulprofos)	U		0.0149	0.100	
Chlorpyrifos	U		0.0157	0.100	
Coumaphos	U		0.0243	0.100	
Demeton,-O and -S	U		0.00584	0.0700	
Diazinon	U		0.0225	0.100	
Dichlorvos	U		0.0300	0.100	
Dimethoate	U		0.0334	0.100	
Disulfoton	U		0.0254	0.100	
EPN	U		0.0276	0.100	
Ethoprop	U		0.0118	0.100	
Ethyl Parathion	U		0.0164	0.100	
Fensulfothion	U		0.0353	0.100	
Fenthion	U		0.0133	0.100	
Malathion	U		0.0179	0.100	
Merphos	U		0.0232	0.100	
Methyl parathion	U		0.0203	0.100	
Mevinphos	U		0.0230	0.100	
Naled	U		0.0480	0.100	
Phorate	U		0.0210	0.100	
Ronnel	U		0.0149	0.100	
Stirophos	U		0.0178	0.100	
Sulfotep	U		0.00986	0.100	
TEPP	U		0.157	1.00	
Tokuthion (Prothothiofos)	U		0.0150	0.100	
Trichloronate	U		0.0201	0.100	

Laboratory Control Sample (LCS)

86.2

(LCS) R3679976-2	07/14/21 21:15
------------------	----------------

(S) Triphenyl Phosphate

	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Azinphos-Methyl	0.333	0.385	116	58.0-125	
Bolstar (Sulprofos)	0.333	0.373	112	64.0-120	
Chlorpyrifos	0.333	0.377	113	62.0-120	
Coumaphos	0.333	0.392	118	60.0-120	
Demeton,-O and -S	0.167	0.187	112	59.0-120	
Diazinon	0.333	0.355	107	49.0-120	

36.0-121

Trichloronate

(S) Triphenyl Phosphate

QUALITY CONTROL SUMMARY

L1376393-01,02,03,04

OP Pesticides by Method 8141

Laboratory Control Sample (LCS)

(LCS) R3679976-2 07/14/21 21:15									
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier				
Analyte	mg/kg	mg/kg	%	%					
Dichlorvos	0.333	0.261	78.4	37.0-120					
imethoate	0.333	0.360	108	46.0-127					
isulfoton	0.333	0.367	110	60.0-121					
N	0.333	0.388	117	60.0-121					
hoprop	0.333	0.389	117	59.0-120					
hyl Parathion	0.333	0.393	118	62.0-120					
nsulfothion	0.333	0.373	112	58.0-123					
nthion	0.333	0.366	110	61.0-121					
lathion	0.333	0.378	114	59.0-120					
rphos	0.333	0.350	105	59.0-120	<u>P</u>				
hyl parathion	0.333	0.375	113	63.0-120					
inphos	0.333	0.344	103	50.0-120					
ed	0.333	0.190	57.1	10.0-125					
rate	0.333	0.373	112	60.0-120					
nnel	0.333	0.345	104	62.0-120					
ophos	0.333	0.384	115	62.0-120					
otep	0.333	0.386	116	62.0-122					
PP	3.33	0.0691	2.08	10.0-135	<u>J4</u>				
okuthion (Prothothiofos)	0.333	0.380	114	63.0-120					

L1375710-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

123

103

(OS) L1375710-06 07/15/21 06:46 • (MS) R3679976-3 07/15/21 07:20 • (MSD) R3679976-4 07/15/21 07:53												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Azinphos-Methyl	0.328	U	0.281	0.316	85.7	97.8	1	10.0-160			11.7	22
Bolstar (Sulprofos)	0.328	U	0.276	0.305	84.1	94.4	1	10.0-151			9.98	20
Chlorpyrifos	0.328	U	0.291	0.313	88.7	96.9	1	12.0-149			7.28	20
Coumaphos	0.328	U	0.274	0.312	83.5	96.6	1	10.0-160			13.0	22
Demeton,-O and -S	0.164	U	0.156	0.167	95.1	103	1	10.0-160			6.81	23
Diazinon	0.328	U	0.241	0.241	73.5	74.6	1	11.0-157			0.000	20
Dichlorvos	0.328	U	0.299	0.309	91.2	95.7	1	10.0-160			3.29	24
Dimethoate	0.328	U	0.323	0.334	98.5	103	1	10.0-150			3.35	27
Disulfoton	0.328	U	0.290	0.309	88.4	95.7	1	12.0-155			6.34	20
EPN	0.328	U	0.314	0.341	95.7	106	1	10.0-159			8.24	20
Ethoprop	0.328	U	0.317	0.328	96.6	102	1	11.0-156			3.41	20
Ethyl Parathion	0.328	U	0.335	0.354	102	110	1	10.0-147			5.52	20

0.333

0.410

<u>J4</u>

62.0-120

36.0-121

QUALITY CONTROL SUMMARY

L1376393-01,02,03,04

OP Pesticides by Method 8141

L1375710-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1375710-06 07/15/21 06:46 • (MS) R3679976-3 07/15/21 07:20 • (MSD) R3679976-4 07/15/21 07:53

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Fensulfothion	0.328	U	0.286	0.315	87.2	97.5	1	10.0-157			9.65	27
Fenthion	0.328	U	0.276	0.303	84.1	93.8	1	13.0-155			9.33	20
Malathion	0.328	U	0.313	0.339	95.4	105	1	13.0-137			7.98	21
Merphos	0.328	U	0.245	0.271	74.7	83.9	1	10.0-147			10.1	26
Methyl parathion	0.328	U	0.293	0.315	89.3	97.5	1	10.0-150			7.24	21
Mevinphos	0.328	U	0.317	0.318	96.6	98.5	1	10.0-158			0.315	24
Naled	0.328	U	0.233	0.229	71.0	70.9	1	10.0-137			1.73	40
Phorate	0.328	U	0.296	0.310	90.2	96.0	1	13.0-154			4.62	20
Ronnel	0.328	U	0.275	0.289	83.8	89.5	1	14.0-149			4.96	20
Stirophos	0.328	U	0.293	0.326	89.3	101	1	10.0-150			10.7	20
Sulfotep	0.328	U	0.333	0.344	102	107	1	10.0-160			3.25	20
TEPP	3.28	U	1.92	1.81	58.5	56.0	1	10.0-142			5.90	28
Tokuthion (Prothothiofos)	0.328	U	0.289	0.317	88.1	98.1	1	12.0-153			9.24	20
Trichloronate	0.328	U	0.308	0.344	93.9	107	1	12.0-152			11.0	20
(S) Triphenyl Phosphate					86.0	93.5		36.0-121				



















PAGE:

20 of 26

QUALITY CONTROL SUMMARY

L1376393-01,02,03,04

Method Blank (MB)

Pesticides (GC) by Method 8081

	-/				- 11
(MB) R3679200-1 07/13/	21 13:55				٠ ٢
	MB Result	MB Qualifier	MB MDL	MB RDL	2
Analyte	mg/kg		mg/kg	mg/kg	٦
Aldrin	U		0.00376	0.0200	· <u>-</u>
Alpha BHC	U		0.00368	0.0200	3
Beta BHC	U		0.00379	0.0200	L
Delta BHC	U		0.00346	0.0200	4
Gamma BHC	U		0.00344	0.0200	
4,4-DDD	U		0.00370	0.0200	
4,4-DDE	U		0.00366	0.0200	5
4,4-DDT	U		0.00627	0.0200	ΙL
Dieldrin	U		0.00344	0.0200	6
Endosulfan I	U		0.00363	0.0200	
Endosulfan II	U		0.00335	0.0200	
Endosulfan sulfate	U		0.00364	0.0200	7
Endrin	U		0.00350	0.0200	
Endrin aldehyde	U		0.00339	0.0200	8
Endrin ketone	U		0.00711	0.0200	
Heptachlor	U		0.00428	0.0200	
Heptachlor epoxide	U		0.00339	0.0200	9
Hexachlorobenzene	U		0.00346	0.0200	L
Methoxychlor	U		0.00484	0.0200	
Chlordane	U		0.103	0.300	
Toxaphene	U		0.124	0.400	
(S) Decachlorobiphenyl	67.0			10.0-135	

Laboratory Control Sample (LCS)

74.5

(S) Tetrachloro-m-xylene

LCS) R3679200-2 07/13/21 14:02							
	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier		
Analyte	mg/kg	mg/kg	%	%			
Aldrin	0.0666	0.0474	71.2	34.0-136			
Alpha BHC	0.0666	0.0507	76.1	34.0-139			
Beta BHC	0.0666	0.0498	74.8	34.0-133			
Delta BHC	0.0666	0.0515	77.3	34.0-135			
Gamma BHC	0.0666	0.0537	80.6	34.0-136			
4,4-DDD	0.0666	0.0494	74.2	33.0-141			
4,4-DDE	0.0666	0.0465	69.8	34.0-134			
4,4-DDT	0.0666	0.0494	74.2	30.0-143			
Dieldrin	0.0666	0.0497	74.6	35.0-137			
Endosulfan I	0.0666	0.0501	75.2	34.0-134			

10.0-139

QUALITY CONTROL SUMMARY

L1376393-01,02,03,04

Pesticides (GC) by Method 8081

Laboratory Control Sample (LCS)

(LCS) R3679200-2	07/13/21 14:02
------------------	----------------

(12, 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
Analyte	mg/kg	mg/kg	%	%	
Endosulfan II	0.0666	0.0492	73.9	35.0-132	
Endosulfan sulfate	0.0666	0.0471	70.7	35.0-132	
Endrin	0.0666	0.0511	76.7	34.0-137	
Endrin aldehyde	0.0666	0.0500	75.1	23.0-121	
Endrin ketone	0.0666	0.0484	72.7	35.0-144	
Heptachlor	0.0666	0.0527	79.1	36.0-141	
Heptachlor epoxide	0.0666	0.0529	79.4	36.0-134	
Hexachlorobenzene	0.0666	0.0452	67.9	33.0-129	
Methoxychlor	0.0666	0.0469	70.4	28.0-150	<u>P</u>
(S) Decachlorobiphenyl			61.3	10.0-135	
(S) Tetrachloro-m-xylene			67.7	10.0-139	

L1376304-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1376304-13 07/13/21 14:52 • (MS) R3679200-3 07/13/21 14:59 • (MSD) R3679200-4 07/13/21 15:06

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Aldrin	0.0666	U	0.0205	0.0320	30.8	48.0	1	20.0-135		<u>J3</u>	43.8	37
Alpha BHC	0.0666	U	0.0222	0.0349	33.3	52.4	1	27.0-140		<u>J3</u>	44.5	35
Beta BHC	0.0666	U	0.0218	0.0338	32.7	50.8	1	23.0-141		<u>J3</u>	43.2	37
Delta BHC	0.0666	U	0.0219	0.0348	32.9	52.3	1	21.0-138		<u>J3</u>	45.5	35
Gamma BHC	0.0666	U	0.0235	0.0370	35.3	55.6	1	27.0-137		<u>J3</u>	44.6	36
4,4-DDD	0.0666	U	0.0209	0.0324	31.4	48.6	1	15.0-152		<u>J3</u>	43.2	39
1,4-DDE	0.0666	U	0.0197	0.0301	29.6	45.2	1	10.0-152		<u>J3</u>	41.8	40
1,4-DDT	0.0666	U	0.0218	0.0335	32.7	50.3	1	10.0-151		<u>J3</u>	42.3	40
Dieldrin	0.0666	U	0.0223	0.0349	33.5	52.4	1	17.0-145		<u>J3</u>	44.1	37
Endosulfan I	0.0666	U	0.0218	0.0334	32.7	50.2	1	20.0-137		<u>J3</u>	42.0	36
Endosulfan II	0.0666	U	0.0208	0.0320	31.2	48.0	1	15.0-141		<u>J3</u>	42.4	37
Endosulfan sulfate	0.0666	U	0.0194	0.0306	29.1	45.9	1	15.0-143		<u>J3</u>	44.8	38
Endrin	0.0666	U	0.0227	0.0346	34.1	52.0	1	19.0-143		<u>J3</u>	41.5	37
Endrin aldehyde	0.0666	U	0.0200	0.0319	30.0	47.9	1	10.0-139		<u>J3</u>	45.9	40
Endrin ketone	0.0666	U	0.0205	0.0317	30.8	47.6	1	17.0-149		<u>J3</u>	42.9	38
Heptachlor	0.0666	U	0.0239	0.0370	35.9	55.6	1	22.0-138		<u>J3</u>	43.0	37
Heptachlor epoxide	0.0666	U	0.0231	0.0346	34.7	52.0	1	22.0-138		<u>J3</u>	39.9	36
Hexachlorobenzene	0.0666	U	0.0208	0.0319	31.2	47.9	1	25.0-126		<u>J3</u>	42.1	35
Methoxychlor	0.0666	U	0.0209	0.0325	31.4	48.8	1	10.0-159	<u>P</u>	<u>J3 P</u>	43.4	40
(S) Decachlorobiphenyl					27.6	42.5		10.0-135	_			
(S) Tetrachloro-m-xylene					32.0	50.9		10.0-139				







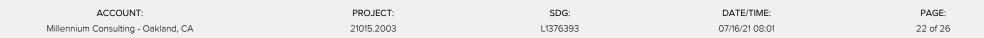












GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

Appreviations and	d Definitions
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
Qualifici	Describil

J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J5	The sample matrix interfered with the ability to make any accurate determination; spike value is high.
P	RPD between the primary and confirmatory analysis exceeded 40%.
T8	Sample(s) received past/too close to holding time expiration.



















ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey-NELAP	TN002
California	2932	New Mexico ¹	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina ¹	DW21704
Georgia	NELAP	North Carolina ³	41
Georgia ¹	923	North Dakota	R-140
Idaho	TN00003	Ohio-VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
lowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO00356
Kentucky 16	KY90010	South Carolina	84004002
Kentucky ²	16	South Dakota	n/a
Louisiana	Al30792	Tennessee 1 4	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas ⁵	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234



^{*} Not all certifications held by the laboratory are applicable to the results reported in the attached report.

TN00003

EPA-Crypto



















 $^{^* \, \}text{Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.} \\$

Milloweller Committee			Bi	illing Inforn	nation:			T	T			Analysis	/ Conta	ainer / Preservative		Chain of Custody	
Millennium Consultin			j	feiner@i	mecaenvir	o.con	n	Pres	100		THE R	- III	Conte	aller / Freservative		Chain of Custody	Page 1 of 1
4683 Chabot Drive, St								Chk			100		100		1988	100	
Pleasanton, CA 94588									100	477	2		MA	100		Pace / National Ce	Analytical * nter for Testing & Innovation
									=	817	100		30	- 1000	200	1	*
Report to:			Er	nail To:					081	K	Ma	2	100 M			12065 Lebanon Rd	ED18-2 ED
J. Malson/P.Saneipoor			jf	einer@n	necaenviro	o.com	1				100	6	1		2079	Mount Juliet, TN 37:	
Project Description: UC ANR Sierra Foothill REC	1,000	New York	City	/State ected: Br	owns Valle	у,	Please PT MT		s(EPA	ides	100	30/3		100		Phone: 615-758-585 Phone: 800-767-585 Fax: 615-758-5859	
Phone: 925-808-6700	.0 mou	11 Project #		1	Lab Project #			100	sticides	Organophosphours Pesticides (EPA	-	8015/5030/3015)	erite i	I IM		SDG#	9 H023
Collected by (print):	Site/	Facility ID #		- 1,	P.O. #		F	10	sti	SP	8151)	8	1237	- 100	407	Table #	
C.Harris/K.Efe	Site	racility ID #			KE210701				Pe	5	81		1300	MICE.	- 1000	-	10 16393
Collected by (signature):	1	Dece 62 /1 - 5 54	UIST D. N.		Quote #	-1		1	ne ne	4	(EPA	<u>a</u>		15.69	1999	Acctnum:	131
	'	Rush? (Lab M Same Day		ified)	Quote #				ori	Sp	<u>—</u>	0	10000	17/201	1000	Template:	明 典的 2000
		_ Next Day	5 Day (Rad	d Only)	Date Re	sults N	eeded	1	幸	ě	es	G/D/MO (EPA	2		1000	Prelogin:	
Immediately Packed on Ice N Y	_	_ Two Day	10 Day (Ra	ad Only)				No.	0	0	Si.	9			100	PM:	
	-	_ IIIICC Day Z	I WEE	-				of	Jar	Jar	-ig	5		1 1000	2000	PB:	
Sample ID		Comp/Grab	Matrix*	Dep	oth Dar	te	Time	Cntrs	Organochlorine	O o	Herbicides	TPH	AND S		100	Shipped Via:	Sample # (lah aniu)
S-01		Grab	SS	0-3"	6/30/	21	1300	11	×	X	×	×			100	Remarks	Sample # (lab only)
S-02		Grab	SS	0-3"	6/30/	/21	1310	11	×	×	×	×		1400	1000		62
5-03		Grab	SS	0-3"	6/30/	21	1320	1	×	×	X	X			1		03
5-04		Grab	SS	0-3"	6/30/	/21	1330	N	X	X	×	×	VIII.	1000			59
								1	Till		Maj		145111				
THE PARTY NAMED IN	-							-	AL-	7/9	61		Life State of	1000	1000		
	357					+		1	117	11	141	-	Trade:	MILE.			
1		-	-										CHARLE .				W 2 15
Company of the Control									215								
and a				1							1000				1000		
Matrix:	Rema	rks:		1 11						-	-		NAME OF TAXABLE PARTY.		Si	ample Receipt Ch	acklist
S - Soil AIR - Air F - Filter W - Groundwater B - Bioassay		-										рН		Temp	COC Seal	Present/Intact: ed/Accurate:	NP Y N
VW - WasteWater	-						-					Flow		Other	Bottles	arrive intact:	TY N
W - Drinking Water - T - Other	Sampl	es returned vi	a:		1199	EU S	BUILD TO	9 (800)	SCIENCE OF THE PERSON	SELECTION	201		0.00	_ Other	Sufficie	bottles used: nt volume sent:	$-\frac{1}{2}$ $-\frac{N}{N}$
1	_ 01.		-			racking	#	1			989	550	087	1760	N 20000000	If Applicabl Headspace:	e v N
delinquished by : (Signature)		Date 7	102/21	Time	900	eceived	d by: (Signat	ture)			E	Trip Blar	k Recei	ived: Yes / No HCL / MeoH	Preserva	tion Correct/Che en <0.5 mR/hr:	cked: Y N
elinquished by: (Signature)		Date	:	Time	e: Re	eceived	by: (Signat	ture)			19	Temp!	7 .	TBR C Bottles Received:	If preserva	tion required by Logi	n: Date/Time
telinquished by : (Signature)		Date	:	Time	: Re	eeelven	for lab by:	(Signat	ufe)	-		Date:		Times	Hale	and the last	
				1	13	In	M/	1)	1	-	PER LA	7/11	-	Time:	Hold:	1	
						1 WI	MU	9	1/	1	-	11612	1	0900	1 Comment		

	_
- (19
	4
- '	
- 3	₹.
(coore
	=
- (
	=
- (0
-	7
	٠,
-	_
P.	NCF
	4
r	1
	_
-	-
1	4
	4
_	4
- ()
	~
-	_
-	7
F	-
-	
	_
-)
-	MILCONOCA
-	
	=
	=
-	=
-	

mire estimate: on me spent: on	
Members	
Matthew Shacklock (responsible)	
Parameter(s) past holding time	
Temperature not in range	
Improper container type	
pH not in range	
Insufficient sample volume	
Sample is biphasic	
Vials received with headspace	
Broken container	
Sufficient sample remains	
If broken container: Insufficient packing material around container	
If broken container: Insufficient packing material inside cooler	
If broken container: Improper handling by carrier:	
] If broken container: Sample was frozen	
If broken container: Container lid not intact	
Client informed by Call	
Client informed by Email	
Client informed by Voicemail	
Date/Time:	
PM initials:	
Client Contact:	
Comments	
Matthew Shacklock	6 July 2021 1:41 PM
Received at 19.0 degrees. All ice melted.	
Jennifer Gambill	7 July 2021 10:17 AM
Okay to continue per Jeremy Malson.	
Matthew Shacklock	9 July 2021 5:32 PM
1.1376303	

1 of 1

7/9/2021, 5:32 PM



APPENDIX F

Site Sampling Maps

(Asbestos, Lead, & PCBs)

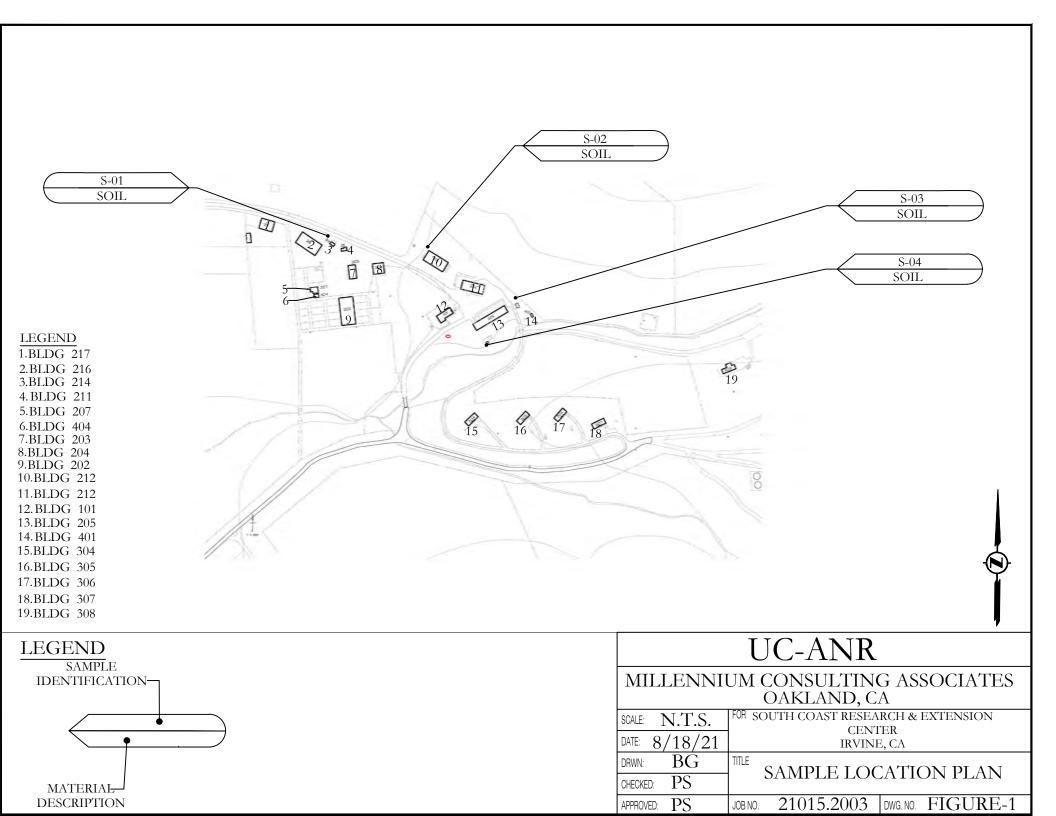
Sampling Maps Pending; to be included in Final Draft



APPENDIX G

Site Sampling Maps

(Soil)





APPENDIX H

Inspector Certification Log



Inspector Certifications

Project Name:

Site Location:

Project No.

Pre-Demolition HazMat Survey

UC-ANR Sierra Foothills Research & Extension Center,

Browns Valley, CA 95918

21015.2003

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

Expires on _04/47/20

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

Cornelius G Harris

Professions Code

