VISTA UNIFIED SCHOOL DISTRICT
BID # V20210663PWB
2021 SUMMER ROOFING AT MULTIPLE SITES

ADDENDUM #2

1. Attached please find environmental reports for both sites:

Limited Asbestos Sampling Report

VIDA

Roofing Survey (Boys and Girls Locker Room Building)

4/6/2021

General Information

Owner:

Vista Unified School District

1234 Arcadia Avenue, Vista, CA 92084

Point of Contact:

Brett Harris,

Facilities Project Coordinator, Maintenance Department

Vista Unified School District

Report Prepared / Reviewed By:

David Christy

WEST - Sr. Partner

Certified Asbestos Consultant 92-0703

Asbestos Sampling Report - Table of Contents

Executive Summary

Sampling Date:	4/6/2021 (Limited Asbestos Sampling)
Survey Description:	Asbestos Roofing Survey, (VIDA – Boys and Girls Locker Room Building)
Sampling Scope:	As requested by owner
Services Complete:	Conduct a limited (non-destructive) asbestos inspection, laboratory Analysis, reporting as listed above of areas.
Laboratory Analysis:	EMSL Analytical, San Diego, Ca. NVLAP and California Accredited Laboratory to provide: "Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM)
On-site Sampling:	David Christy, a State of California Certified Asbestos Consultant (CAC# 92-0703)
Additional Sampling:	None
General Warrantee:	WEST warrants the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos inspection and evaluation methods for the referenced site.
Access Note:	WEST was given limited access for areas outlined for sampling within the scope of inspection.

Asbestos Inspection – General Information

Any suspect building materials encountered by WEST during the asbestos inspection, found within the specific areas called out for inspection / sampling, were collected and analyzed for the presence of asbestos. The samples of the various building materials that were collected were analyzed using polarized light microscopy (PLM). A breakdown of laboratory analysis for each asbestos sample collected is included in the attached report. If any material containing asbestos will be disturbed, appropriate local, state, and federal regulations and guidelines must be followed.

WEST collected samples of suspect building materials that were accessible at the time of the inspection as found and noted by the on-site inspector. WEST utilized EMSL Analytical located in San Diego, California, a NVLAP and California DHS Accredited Laboratory to provide: "Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM). WEST warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos hazard evaluation methods for the site referenced in this report.

Asbestos Building Inspection Findings

Based on the above collected information and the sample analysis attached to this report, asbestos was found as part of the asbestos inspections (ACM).

There are assumptions made within this sampling report grouping similar building materials with similar age and appearance together for means of building material identification and grouping for sampling. This should also be followed while conducting asbestos removal of these materials. If any building material is discovered to be suspect of containing asbestos, and it was not accessible or identified in this building inspection report, additional samples should be collected and analyzed and the building inspection report and data should subsequently be updated. California Code of Regulations Title 8, Section 1529 states that asbestos containing material and presumed asbestos containing material that will be disturbed during demolition, construction, renovation, etc. must be handled according to the standard. The state of California states that a material that contains one-tenth of one percent asbestos is classified as a regulated asbestos material.

Additional investigation and sampling are recommended if any newly discovered building material is identified that is not called out within this asbestos sampling report.

Materials discovered to contain asbestos (known and assumed – asbestos)

Asbestos Roofing Mastics (all types and locations of roofing mastic) – (3% - 4% Chrysotile) – ACM,
(Asbestos was found within all roofing mastics sampled. All types and colors of roofing mastics from all areas of the roofs inspected should be considered asbestos containing)

Assumed: All Building materials not sampled within this sampling report (undiscovered building materials -or- building materials outside of the sampling scope of work)

Any building materials not listed within this sampling report for the referenced locations, whether outside sampling scope of work or newly discovered, shall be assumed to be asbestos containing greater than 1%. Additional investigation and sampling are recommended for these types of unreported materials. Asbestos bulk sampling and inspection services must be completed by State of California Certified personnel (Site Surveillance Technician or Certified asbestos Consultant). All laboratory analysis and reporting must be completed by a licensed and certified laboratory facility.

Survey Methodology

The sampling as completed included **semi-destructive sampling** to conduct asbestos bulk sampling on the roofs of the buildings surveyed. The buildings surveyed were functioning school buildings. Samples were collected to the best of the inspector's ability and access. There are assumptions made within this sampling report as it relates to building materials not accessible at the time of the inspections. Sampling of these areas was conducted at access points that were previously in place or in direct view of the on-site inspector. The surveyor proceeded to complete a visual inspection of the surrounding surfaces and the building components that were found at the building site as part of the asbestos sampling. Following the review of each inspection location that was remaining at the time of the inspection, the surveyor then made inspection notes while still in the field. These notes recorded data on the presence, type and general condition of any suspected ACMs encountered, and on a system-by-system basis as outlined in this report. The sampling analysis breakdowns are provided in this report.

Asbestos Bulk Sampling Strategy

The collection of bulk samples was performed in sufficient frequency to obtain only a basic pattern as to the use of possible asbestos containing materials (ACM) roofing materials within the roofs called out for inspections. It is known however, that inconsistencies within construction or later repair or renovation may result in deviation from this general pattern. For this reason, it is not possible to positively identify the presence and extent of asbestos building materials associated with the areas sampled without inspecting and sampling every square foot of all building surfaces and components encountered during the inspection process. As this was outside of the scope of this assignment, identification of asbestos-suspect materials was based on the surveyor's own experience and knowledge of the use of asbestos in buildings, the age, and the general appearance of the materials encountered. A complete list of sampled materials is attached to this report.

Sampling Method – Bulk Sampling

Wherever the collection of a bulk sample became necessary, samples were collected using general hand tools and placed in plastic zip bags, which were individually labelled with a sample number and description of the sampling location. This information was also recorded on a transmittal form. One copy of this form remained with the samples when transported to the laboratory. The second copy was retained by the surveyor. Care was used by the surveyor (wherever possible) to collect samples at a location which produced the least visual impact or would be least objectionable to building occupants.

Asbestos Bulk Sample Analysis

Each of the bulk samples collected were analysed by EMSL Analytical located in San Diego, California, using a combination of dispersion staining and polarized light microscopy. Sample preparation and analytical procedures follow the protocol outlined for NIOSH Method 9002 for bulk asbestos analysis, and the US EPA Method 600/R-93/116 dated July, 1993. Each of these methods is recognized by both federal and provincial authorities. For quality control purposes, the laboratory used for the sample asbestos analysis is certified under the National Voluntary Laboratory Accreditation Program (NVLAP) to perform asbestos analysis of bulk samples.

Deviations in Sample Results

Due to the removal and replacement of individual building materials over the course of a building's life or due to the installation of visually similar building products, it is possible that individual building surfaces may not be characteristic of the samples collected. Every effort was made to collect samples from typical building materials and components as found during the on-site sample collection. If any building material is discovered to be suspect of containing asbestos, and it was not accessible or identified in this building inspection report, additional samples should be collected and analysed and the building inspection report and data should subsequently be updated.

Definitions of ACM

Asbestos Containing Material (ACM):
According to EPA, OSHA and Cal-OSHA, asbestos containing material is a material that has greater than 1% asbestos.

Asbestos Containing Building Material (ACBM):
For purposes of AHERA, material with greater than 1% asbestos that was used on the interior construction of a school is called asbestos containing building material (ACBM).

Asbestos Containing Construction Material (ACCM):
According to Title 8, Section 1529, asbestos containing construction material means any manufactured construction material which contains more than 0.1 % asbestos by weight.

Presumed Asbestos Containing Material (PACM):
Any thermal system insulation and surfacing material found in buildings constructed no later than 1980. The designation of a material as PACM may be rebutted pursuant to Title 8, section 1529, subsection (k)(5).

Regulated Asbestos Containing Material (RACM):
The EPA in the National Emission Standard for Hazardous Air Pollutants (NESHAP) defines RACM as (a) Friable asbestos containing material, (b) Category I non-friable asbestos containing material that has become friable, (c) Category I non-friable asbestos containing material that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II non-friable asbestos containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by Subpart M.

General Limitations

The survey as completed was of sufficient depth to provide a screening for the purpose of establishing the presence of asbestos containing materials (ACM) roofing materials within the limited areas inspected on buildings. Due to the nature of building construction some limitations exist as to the possible extent and accuracy of this survey. Such limitations include any inconsistencies in the use of materials during construction or later repairs or renovations that result in deviations from the general pattern. However, without sampling every square foot of building materials, it is not possible to rule out such limitations.

As this is not a practical approach to sample every square foot of building material, the survey was completed based on the collection of a sufficient number of samples representing the building materials listed in this sampling report and visually encountered. Every effort was made to collect these samples from typical or representative materials as they were encountered.

The collection of data, quantification of any damage, and confirmation of existing conditions, is limited by the surveyor's ability to access and visually inspect conditions at each inspection location, and is therefore limited by the availability and location of access points, hatches, etc.

The survey, as completed, did not include demolition and dismantlement of equipment and building materials. The sampling was conducted to the best ability and safety of the on-site inspectors on-site.

The field observations, measurements, and analysis are considered sufficient in detail and scope to form a reasonable basis for asbestos containing materials (ACM) roofing overview of the buildings in question as it relates to the building systems. Western Environmental & Safety Technologies LLC (WEST) warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos hazard evaluation methods, for the site referenced in this report.

These evaluation methods have been developed to provide the client with information regarding apparent indications of existing or potentially hazardous asbestos conditions relating to the property and are necessarily limited to the conditions observed and information available at the time of the site visit and research. There is a distinct possibility that conditions may exist which could not be reasonably identified within the scope of the assessment or which were not apparent during the site visit.

Western Environmental & Safety Technologies LLC (WEST) believes that the information collected during the survey period concerning this property is reliable. However, Western Environmental & Safety Technologies LLC (WEST) cannot warrant or guarantee that the information provided is absolutely complete or accurate beyond the current asbestos consulting industry standards.

The conclusions and recommendations presented in this report are based upon reasonable visual inspection, site investigation, and bulk sampling of the property and research of available materials within the scope and budget of the contract. The information presented is relevant to the dates of our site visit and should not be relied upon to represent conditions at later dates. The opinions expressed herein are based on information obtained during our on-site inspection efforts and on our experience. If additional information becomes available, we request the opportunity to review the information and modify our opinions, if necessary.

Our services have been provided using that degree of care and skill ordinarily exercised, under similar circumstances, by environmental consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented in this report. Western Environmental & Safety Technologies LLC (WEST) is not responsible for the conclusions, opinions, or recommendations made by others based on this information.

Report Prepared By and Laboratory Sample Analysis Reviewed By:

4/9/2021

David Christy — **Review Dates**

Certified Asbestos Consultant - CAC# 92-0703
☏ Tel: (858) 271-1842 (office)
☏ Tel: (619) 571-3987 (cell)
🖷 FAX: (858) 271-1856
✉ Email: gowestdc@msn.com

OrderID: 432102552

Limited Asbestos Sampling Report

VMMS

Roofing Survey (Rooms 702 / 703)

4/6/2021

General Information

Owner:

Vista Unified School District

1234 Arcadia Avenue, Vista, CA 92084

Point of Contact:

Brett Harris,
Facilities Project Coordinator, Maintenance Department
Vista Unified School District

Report Prepared / Reviewed By:

David Christy
WEST - Sr. Partner
Certified Asbestos Consultant 92-0703

Asbestos Sampling Report - Table of Contents

Executive Summary

Sampling Date:	4/6/2021 (Limited Asbestos Sampling)
Survey Description:	Asbestos Roofing Survey, (VMMS – Rooms 702 / 703)
Sampling Scope:	As requested by owner
Services Complete:	Conduct a limited (non-destructive) asbestos inspection, laboratory Analysis, reporting as listed above of areas.
Laboratory Analysis:	EMSL Analytical, San Diego, Ca. NVLAP and California Accredited Laboratory to provide: "Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM)
On-site Sampling:	David Christy, a State of California Certified Asbestos Consultant (CAC# 92-0703)
Additional Sampling:	None
General Warrantee:	WEST warrants the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos inspection and evaluation methods for the referenced site.
Access Note:	WEST was given limited access for areas outlined for sampling within the scope of inspection.

Asbestos Inspection – General Information

Any suspect building materials encountered by WEST during the asbestos inspection, found within the specific areas called out for inspection / sampling, were collected and analyzed for the presence of asbestos. The samples of the various building materials that were collected were analyzed using polarized light microscopy (PLM). A breakdown of laboratory analysis for each asbestos sample collected is included in the attached report. If any material containing asbestos will be disturbed, appropriate local, state, and federal regulations and guidelines must be followed.

WEST collected samples of suspect building materials that were accessible at the time of the inspection as found and noted by the on-site inspector. WEST utilized EMSL Analytical located in San Diego, California, a NVLAP and California DHS Accredited Laboratory to provide: "Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM). WEST warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos hazard evaluation methods for the site referenced in this report.

Asbestos Building Inspection Findings

Based on the above collected information and the sample analysis attached to this report, asbestos was not found as part of the asbestos inspections (ACM).

There are assumptions made within this sampling report grouping similar building materials with similar age and appearance together for means of building material identification and grouping for sampling. This should also be followed while conducting asbestos removal of these materials. If any building material is discovered to be suspect of containing asbestos, and it was not accessible or identified in this building inspection report, additional samples should be collected and analyzed and the building inspection report and data should subsequently be updated. California Code of Regulations Title 8, Section 1529 states that asbestos containing material and presumed asbestos containing material that will be disturbed during demolition, construction, renovation, etc. must be handled according to the standard. The state of California states that a material that contains one-tenth of one percent asbestos is classified as a regulated asbestos material.

Additional investigation and sampling are recommended if any newly discovered building material is identified that is not called out within this asbestos sampling report.

Materials discovered to contain asbestos (known and assumed – asbestos)

Asbestos was not found based upon the samples collected by WEST and sample analysis attached to this sampling report.

Assumed: All Building materials not sampled within this sampling report (undiscovered building materials -or- building materials outside of the sampling scope of work)

Any building materials not listed within this sampling report for the referenced locations, whether outside sampling scope of work or newly discovered, shall be assumed to be asbestos containing greater than 1%. Additional investigation and sampling are recommended for these types of unreported materials. Asbestos bulk sampling and inspection services must be completed by State of California Certified personnel (Site Surveillance Technician or Certified asbestos Consultant). All laboratory analysis and reporting must be completed by a licensed and certified laboratory facility.

Survey Methodology

The sampling as completed included **semi-destructive sampling** to conduct asbestos bulk sampling on the roofs of the buildings surveyed. The buildings surveyed were functioning school buildings. Samples were collected to the best of the inspector's ability and access. There are assumptions made within this sampling report as it relates to building materials not accessible at the time of the inspections. Sampling of these areas was conducted at access points that were previously in place or in direct view of the on-site inspector. The surveyor proceeded to complete a visual inspection of the surrounding surfaces and the building components that were found at the building site as part of the asbestos sampling. Following the review of each inspection location that was remaining at the time of the inspection, the surveyor then made inspection notes while still in the field. These notes recorded data on the presence, type and general condition of any suspected ACMs encountered, and on a system-by-system basis as outlined in this report. The sampling analysis breakdowns are provided in this report.

Asbestos Bulk Sampling Strategy

The collection of bulk samples was performed in sufficient frequency to obtain only a basic pattern as to the use of possible asbestos containing materials (ACM) roofing materials within the roofs called out for inspections. It is known however, that inconsistencies within construction or later repair or renovation may result in deviation from this general pattern. For this reason, it is not possible to positively identify the presence and extent of asbestos building materials associated with the areas sampled without inspecting and sampling every square foot of all building surfaces and components encountered during the inspection process. As this was outside of the scope of this assignment, identification of asbestos-suspect materials was based on the surveyor's own experience and knowledge of the use of asbestos in buildings, the age, and the general appearance of the materials encountered. A complete list of sampled materials is attached to this report.

Sampling Method – Bulk Sampling

Wherever the collection of a bulk sample became necessary, samples were collected using general hand tools and placed in plastic zip bags, which were individually labelled with a sample number and description of the sampling location. This information was also recorded on a transmittal form. One copy of this form remained with the samples when transported to the laboratory. The second copy was retained by the surveyor. Care was used by the surveyor (wherever possible) to collect samples at a location which produced the least visual impact or would be least objectionable to building occupants.

Asbestos Bulk Sample Analysis

Each of the bulk samples collected were analysed by EMSL Analytical located in San Diego, California, using a combination of dispersion staining and polarized light microscopy. Sample preparation and analytical procedures follow the protocol outlined for NIOSH Method 9002 for bulk asbestos analysis, and the US EPA Method 600/R-93/116 dated July, 1993. Each of these methods is recognized by both federal and provincial authorities. For quality control purposes, the laboratory used for the sample asbestos analysis is certified under the National Voluntary Laboratory Accreditation Program (NVLAP) to perform asbestos analysis of bulk samples.

Deviations in Sample Results

Due to the removal and replacement of individual building materials over the course of a building's life or due to the installation of visually similar building products, it is possible that individual building surfaces may not be characteristic of the samples collected. Every effort was made to collect samples from typical building materials and components as found during the on-site sample collection. If any building material is discovered to be suspect of containing asbestos, and it was not accessible or identified in this building inspection report, additional samples should be collected and analysed and the building inspection report and data should subsequently be updated.

Definitions of ACM

Asbestos Containing Material (ACM):
According to EPA, OSHA and Cal-OSHA, asbestos containing material is a material that has greater than 1% asbestos.

Asbestos Containing Building Material (ACBM):
For purposes of AHERA, material with greater than 1% asbestos that was used on the interior construction of a school is called asbestos containing building material (ACBM).

Asbestos Containing Construction Material (ACCM):
According to Title 8, Section 1529, asbestos containing construction material means any manufactured construction material which contains more than 0.1 % asbestos by weight.

Presumed Asbestos Containing Material (PACM):
Any thermal system insulation and surfacing material found in buildings constructed no later than 1980. The designation of a material as PACM may be rebutted pursuant to Title 8, section 1529, subsection (k)(5).

Regulated Asbestos Containing Material (RACM):
The EPA in the National Emission Standard for Hazardous Air Pollutants (NESHAP) defines RACM as (a) Friable asbestos containing material, (b) Category I non-friable asbestos containing material that has become friable, (c) Category I non-friable asbestos containing material that will be or has been subjected to sanding, grinding, cutting or abrading, or (d) Category II non-friable asbestos containing material that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by Subpart M.

General Limitations

The survey as completed was of sufficient depth to provide a screening for the purpose of establishing the presence of asbestos containing materials (ACM) roofing materials within the limited areas inspected on buildings. Due to the nature of building construction some limitations exist as to the possible extent and accuracy of this survey. Such limitations include any inconsistencies in the use of materials during construction or later repairs or renovations that result in deviations from the general pattern. However, without sampling every square foot of building materials, it is not possible to rule out such limitations.

As this is not a practical approach to sample every square foot of building material, the survey was completed based on the collection of a sufficient number of samples representing the building materials listed in this sampling report and visually encountered. Every effort was made to collect these samples from typical or representative materials as they were encountered.

The collection of data, quantification of any damage, and confirmation of existing conditions, is limited by the surveyor's ability to access and visually inspect conditions at each inspection location, and is therefore limited by the availability and location of access points, hatches, etc.

The survey, as completed, did not include demolition and dismantlement of equipment and building materials. The sampling was conducted to the best ability and safety of the on-site inspectors on-site.

The field observations, measurements, and analysis are considered sufficient in detail and scope to form a reasonable basis for asbestos containing materials (ACM) roofing overview of the buildings in question as it relates to the building systems. Western Environmental & Safety Technologies LLC (WEST) warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted asbestos hazard evaluation methods, for the site referenced in this report.

These evaluation methods have been developed to provide the client with information regarding apparent indications of existing or potentially hazardous asbestos conditions relating to the property and are necessarily limited to the conditions observed and information available at the time of the site visit and research. There is a distinct possibility that conditions may exist which could not be reasonably identified within the scope of the assessment or which were not apparent during the site visit.

Western Environmental & Safety Technologies LLC (WEST) believes that the information collected during the survey period concerning this property is reliable. However, Western Environmental & Safety Technologies LLC (WEST) cannot warrant or guarantee that the information provided is absolutely complete or accurate beyond the current asbestos consulting industry standards.

The conclusions and recommendations presented in this report are based upon reasonable visual inspection, site investigation, and bulk sampling of the property and research of available materials within the scope and budget of the contract. The information presented is relevant to the dates of our site visit and should not be relied upon to represent conditions at later dates. The opinions expressed herein are based on information obtained during our on-site inspection efforts and on our experience. If additional information becomes available, we request the opportunity to review the information and modify our opinions, if necessary.

Our services have been provided using that degree of care and skill ordinarily exercised, under similar circumstances, by environmental consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional opinions presented in this report. Western Environmental & Safety Technologies LLC (WEST) is not responsible for the conclusions, opinions, or recommendations made by others based on this information.

Report Prepared By and Laboratory Sample Analysis Reviewed By:

4/9/2021

David Christy — **Review Dates**

Certified Asbestos Consultant - CAC# 92-0703
☏ Tel: (858) 271-1842 (office)
☏ Tel: (619) 571-3987 (cell)
🖷 FAX: (858) 271-1856
✉ Email: gowestdc@msn.com

Limited Asbestos Roof Sampling as Requested
VMMS – Rooms 702 / 703
Vista Unified School District
Asbestos Bulk Sampling Breakdown

Sample #	Sample Date	Area	Building / Sample Location	Material Sampled	Results
01	4/6/2021	Roof	Rooms 702 / 703 – left	Roofing Core	None Detected
02	4/6/2021	Roof	Rooms 702 / 703 – right	Roofing Core	None Detected
03	4/6/2021	Roof	Rooms 702 / 703	Roof mastic @ piping	None Detected
04	4/6/2021	Roof	Rooms 702 / 703	Roof Mastic @ drain	None Detected
05	4/6/2021	Roof	Rooms 702 / 703	Roof Penetration Mastic	None Detected
06	4/6/2021	Roof	Rooms 702 / 703	Roof Curb Mastic	None Detected

None Detected = No asbestos found in the sample analyzed
The sample descriptions listed above represent the location of the individual sample collected. The building material that has been sampled as listed above may be present in other locations of the building and has been represented above as a homogeneous space.
Asbestos results are reported in % using Polarized Light Microscopy (PLM) as reported by EMSL, San Diego, California.
WEST utilized EMSL located in San Diego, California. a NVLAP and California DHS Accredited Laboratory to provide: "Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy (PLM).

Attachment One

Asbestos Laboratory Sheets & Chain of Custody's

EMSL Analytical, Inc.

8145 Ronson Road, Suite B San Diego, CA 92111

Tel/Fax: (858) 499-1303 / (858) 499-1304

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

EMSL Order:	432102551
Customer ID:	WEST60
Customer PO:	
Project ID:	VUSD-Vista Unified School Di

Attention:	David A Christy	**Phone:**	(619) 571-3987
	Western Environmental & Safety Tech.	**Fax:**	(858) 271-1856
	7676 Hazard Center Drive	**Received Date:**	04/06/2021 2:26 PM
	Suite 500	**Analysis Date:**	04/07/2021
	San Diego, CA 92108	**Collected Date:**	04/06/2021
Project:	VMMS - 7O2 / VISTA, CA (VUSD-Vista Unified School District)		

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**
01 *432102551-0001*	702/703 / L. ROOF - ROOF CORE	Black Fibrous Homogeneous	3% Cellulose 10% Glass	87% Non-fibrous (Other)	None Detected
02 *432102551-0002*	702/703 / R. ROOF - ROOF CORE	Black Fibrous Homogeneous	4% Cellulose 10% Glass	86% Non-fibrous (Other)	None Detected
03 *432102551-0003*	702/703 / ROOF - ROOF MASTIC @ PIPING	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
04 *432102551-0004*	702/703 / ROOF - ROOF MASTIC @ DRAIN	Black Non-Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (Other)	None Detected
05 *432102551-0005*	702/703 / ROOF - ROOF PEN. MASTIC	Black Non-Fibrous Homogeneous	12% Cellulose	88% Non-fibrous (Other)	None Detected
06 *432102551-0006*	702/703 / ROOF - ROOF CURB MASTIC	Black Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected

Analyst(s)

Alexandra Gates (6)

Mariah Curran, Laboratory Manager
or Other Approved Signatory

Initial report from: 04/07/2021 17:07:38

OrderID: 432102551

VUSD

Asbestos Bulk Sampling – Chain of Custody

#432102551

WEST LLC
2820 Carleton Street, #25
San Diego, CA 92106
Tel: 858.271.1842
Tel: 858.271.1856

Project Name: VMMS-702

Project Location: VISTA, CA.

WEST Contact: **David Christy, (619) 571-3987 gowestdc@msn.com**

Laboratory to be used: **EMSL Analytical**
City/State: **San Diego, California**

Turn Around Time: 24 hr.

Relinquished By: (sign / print)	*Company*	*Date / Time*	*Received By: (sign / print)*	*Date / Time*
David Christy / David Christy	WEST	4/6/21	KStimson / Kim Stimson	4.06.21 @2:26pm

Sample #	Date	Area	Sample Location	Sample Description	Analysis Requested
01	4/6/21	702/703	Roof L	Roof Core	PLM
02	"	"	" R	Roof Core	PLM
03	"	"	"	Roof Mastic @ Piping	PLM
04	"	"	"	Roof Mastic @ Drain	PLM
05	"	"	"	Roof Pen Mastic	PLM
06	"	"	"	Roof Curb Mastic	PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM
					PLM