

QUALTECH ENVIRONMENTAL SERVICES, LLC

Lead Assessments/Inspections – Asbestos Consulting Services

434 Breesport, San Antonio, Texas 78216 Phone: (210) 366-2171 Fax: (210) 366-2171 Email: pblead@msn.com

March 14, 2012

Audie L. Murphy Memorial VA Medical Center
Attn: Mr. Robert Martinez
7400 Merton Minter Street
San Antonio, Texas 78229

Reference: Limited Pre-renovation Asbestos Inspection of Building 1, Auditorium, Audie L. Murphy Memorial VA Medical Center, Kerrville Campus, Kerrville, Texas

QUALTECH Environmental Services, LLC has completed a limited pre-renovation asbestos survey of Building 1, Auditorium, Audie L. Murphy Memorial VA Medical Center, Kerrville Campus, Kerrville, Texas. The following comments document the results of that survey.

PROJECT INFORMATION

This pre-renovation asbestos survey was completed at the referenced site on March 7, 2012.

LIMITED PRE-RENOVATION ASBESTOS SURVEY

Mr. Robert E. Whiting, an EPA accredited and Texas licensed Asbestos Consultant (Texas State License 10 5658), conducted a pre-renovation asbestos survey. The purpose of the pre-renovation asbestos survey was to identify any suspected asbestos containing materials that may require removal prior to the renovation of the referenced area. In general, the Environmental Protection Agency (EPA) classifies ACM into three categories:

1. **Surfacing Materials.** These materials include sprayed-on or troweled-on materials.
2. **Thermal Materials.** These materials include insulation and materials associated with heating, hot/cold water systems and HVAC systems.
3. **Miscellaneous Materials.** These materials include ceiling and floor tiles, roofing materials and all other materials which do not fall into the two previous categories.

In addition, identified ACM material is further defined as “Friable” or “Non-Friable”.

1. **Friable Materials.** These materials are defined as materials that when dry, can easily be pulverized, crushed, or deduced to powder by hand pressure.
2. **Non-Friable.** These materials are defined as those materials containing asbestos that are firmly bound by a matrix such as plastic, cement, etc., that if handled carefully, will not become friable.

The EPA defines ACM as any material or product that contains greater than 1% asbestos. The EPA defines ACM as any material or product that contains greater than 1% asbestos. Prior to obtaining any bulk samples, the areas of “homogenous” material construction were identified to assure that each area was included in the sampling plan.

A “homogenous area” indicates an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture that is used throughout the facility during construction. The Texas Department of State Health Services (TDSHS) now requires that a minimum of three (3) bulk samples be collected of all suspected asbestos containing material for analysis in order to rebut or confirm the presence of asbestos.

However, the EPA states that if any one (1) sample of the material indicates that it contains asbestos, then all of the "homogeneous area" is considered to contain asbestos and should be treated as ACM.

The Limited pre-renovation asbestos containing building material (ACBM) survey followed EPA and TDH recommended guidelines. The ACBM survey included:

- Surface material – sprayed on or troweled -on material
- Thermal insulation – piping, furnace, etc.
- Miscellaneous material – floor tiles, ceiling tiles, linoleum, etc.

Material not sampled during this survey included, ceramic tile, wood framing, PVC pipe, and hidden and inaccessible components.


In the limited pre-renovation asbestos survey three (3) suspect asbestos containing materials were identified. The following materials were identified:

SUSPECTED ASBESTOS CONTAINING MATERIALS (ACM)	
Wall Skim Coat	
Wall Plaster	
Exterior Wall Stucco	

Nine (9) bulk samples were collected and immediately placed in plastic bags, sealed and assigned a unique number for transport to a Texas licensed asbestos laboratory for analysis. EMSL Laboratories, Inc, (TDH 30-0262) in Indianapolis, Indiana was the selected laboratory for analysis.

NO ASBESTOS CONTAINING MATERIALS (ACM) WERE REPORTED

If you have further questions, please call.


Robert E. Whiting

Individual Asbestos Consultant License Number 10-5658

Enclosures:

1. Analytical Laboratory Report
2. Site Plan



EMSL ANALYTICAL, INC.
LABORATORY/ANALYSIS DIVISION

Chain of Custody

EMSL Order Number (Lab Use Only):

161203797

2001 E. 52ND STREET
INDIANAPOLIS, IN 46205

PHONE: (317) 803-2997

FAX: (317) 803-3047

Company: QUALTECH Environmental Services, LLC Street: 8410 Sunset City: San Antonio, TX 78217 Report To (Name): Robert E. Whiting Telephone #: 210 313 3744 Project Name/Number: Bldg 1, Auditorium, KERRVILLE VA, KERRVILLE, TX Please Provide Results: <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email <input type="checkbox"/> Purchase Order:		EMSL Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments* Third Party Billing requires written authorization from third party Zip/Postal Code: Fax #: Email Address: rblead@qtech.com Country: U.S. State Samples Taken:	
Turnaround Time (TAT) Options* - Please Check <input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input checked="" type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input type="checkbox"/> 2 Week *For RUSH TAT's Please Call Ahead to Confirm Lab Hours and Availability. Not all TAT options are valid for every test. Materials Science and IAQ TAT's are in Business Days rather than Hours (i.e. 24 Hour = End of Next Business Day)			
Asbestos PCM - Air <input type="checkbox"/> NIOSH 7400 <input type="checkbox"/> w/ 1hr. IWA TEM - Air 4-4.5hr TAT (AHERA ONLY) <input type="checkbox"/> AHERA 40 CFR, Part 763 <input type="checkbox"/> NIOSH 7402 <input type="checkbox"/> EPA Level II <input type="checkbox"/> ISO 10312 TEM - Water Fibers $\geq 10\mu m$ <input type="checkbox"/> Waste <input type="checkbox"/> Drinking All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking		PLM - Bulk <input checked="" type="checkbox"/> PLM EPA 600/R-93/116 <input type="checkbox"/> PLM EPA NOR (<1%) <input type="checkbox"/> NYS 198.1 (friable-NY) <input type="checkbox"/> NYS 198.6 (non-friable-NY) Point Count <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) Point Count w/ Gravimetric <input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%) TEM - Dust <input type="checkbox"/> Microvac - ASTM D 5755 <input type="checkbox"/> Wipe-ASTM D6480	
Lead (Pb) Flame Atomic Absorption <input type="checkbox"/> Chips SW846-7000B or AOAC 974.02 <input type="checkbox"/> Soil SW846-7000B/7420 <input type="checkbox"/> Air NIOSH 7082 <input type="checkbox"/> Wastewater SM3111B or SW846-7000B/7420 <input type="checkbox"/> ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> non ASTM Wipe SW846-7000B/7420 <input type="checkbox"/> TCLP SW846-1311/7420/SM 3111B Graphite Furnace Atomic Absorption <input type="checkbox"/> Soil SW846-7421 <input type="checkbox"/> Wastewater EPA 200.9 <input type="checkbox"/> Air NIOSH 7105 <input type="checkbox"/> Drinking Water EPA 200.9		ICP <input type="checkbox"/> Air NIOSH 7300 Modified <input type="checkbox"/> non ASTM Wipe SW846-6010B or C <input type="checkbox"/> ASTM Wipe SW846-6010B or C <input type="checkbox"/> Soil SW846-6010 B or C <input type="checkbox"/> Waste Water SW846-6010B or C <input type="checkbox"/> TCLP SW846-6010B or C Other:	
Microbiology Wine and Bulk Samples <input type="checkbox"/> Mold & Fungi - Direct Examination <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi Culture (Genus & Species) <input type="checkbox"/> Bacterial Count & ID (Up to Three Types) <input type="checkbox"/> Bacterial Count & ID (Up to Five Types) <input type="checkbox"/> MRSA <input type="checkbox"/> Pseudomonas aeruginosa Water Samples <input type="checkbox"/> Total Coliform & E.coli (P/A) <input type="checkbox"/> Fecal Coliform (SM 9222D) <input type="checkbox"/> Sewage Screen <input type="checkbox"/> Heterotrophic Plate Count (SM 9213)		Air Samples <input type="checkbox"/> Mold & Fungi (Spore Trap) <input type="checkbox"/> Mold & Fungi Culture (Genus Only) <input type="checkbox"/> Mold & Fungi (Genus & Species) <input type="checkbox"/> Bacterial Culture & ID (Up to Three Types) <input type="checkbox"/> Bacterial Culture & ID (Up to Five Types) <input type="checkbox"/> Endotoxin Testing Real Time Q-PCR (See Analytical Guide for Code) Code: Legionella <input type="checkbox"/> Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 Other:	
Comments/Special Instructions:		Materials Science <input type="checkbox"/> Common Particle ID (large particles) <input type="checkbox"/> Full Particle ID (environmental dust) <input type="checkbox"/> Basic Material ID (solids) <input type="checkbox"/> Advanced Material ID <input type="checkbox"/> Physical Testing (Tensile, Compression) <input type="checkbox"/> Combustion-by-products (soot, char, etc.) <input type="checkbox"/> X-Ray Fluorescence (elem. analysis) <input type="checkbox"/> X-Ray Diffraction (Crystalline Part.) <input type="checkbox"/> MMVF's (Fibrous glass, RCF's) <input type="checkbox"/> Particle Size (sieve/microscopy/laser) <input type="checkbox"/> Combustible Dust <input type="checkbox"/> Petrographic Examination Other:	
Client Sample #'s 1-9 Relinquished (Client): R. Whiting Received (Lab): [Signature] Date: 3-7-12 Date: 3-8-12		IAQ Nuisance Dust NIOSH <input type="checkbox"/> 0500 <input type="checkbox"/> 0600 Airborne Dust <input type="checkbox"/> PM10 <input type="checkbox"/> TSP Silica Analysis: <input type="checkbox"/> All Species Silica Analysis - Single Species <input type="checkbox"/> Alpha Quartz <input type="checkbox"/> Cristobalite <input type="checkbox"/> Tridymite <input type="checkbox"/> HVAC Efficiency <input type="checkbox"/> Carbon Black <input type="checkbox"/> Airborne Oil Mist Radon Testing: Call for Kit and COC Other:	
Analysts Completed in Accordance with EMSL's Terms and Conditions located in the Analytical Price Guide Control of Records - Outlines 02-11/2011		Total # of Samples: 9 Time: Time: 9:55 AM	

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205

Phone/Fax (317) 803-2997 / (317) 803-3047

<http://www.emsl.com>indianapolislabs@emsl.com

EMSL Order: 161203797

CustomerID: CERT60

CustomerPO:

ProjectID:

Attn: **Robert Whiting**
Qualtech Env. Svcs
434 Breesport

San Antonio, TX 78216

Phone: (210) 366-2171
Fax: (210) 366-2171
Received: 03/08/12 9:55 AM
Analysis Date: 3/13/2012
Collected:

Project: BLDG 1, AUDITORIUM, KERRVILLE VA, KERRVILLE TX

**Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA
600/M4-82-020 Method(s) using Polarized Light Microscopy**

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
1 161203797-0001		White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
2 161203797-0002		White Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
3 161203797-0003		White/Cream Non-Fibrous Heterogeneous		95% Non-fibrous (other) 5% Quartz	None Detected
4 161203797-0004		Gray/Blue Non-Fibrous Heterogeneous		95% Non-fibrous (other) 5% Quartz	None Detected
Inseparable paint / coating layer included in analysis					
5 161203797-0005		Gray/Blue Non-Fibrous Heterogeneous		95% Non-fibrous (other) 5% Quartz	None Detected
Inseparable paint / coating layer included in analysis					
6 161203797-0006		Gray/Blue Non-Fibrous Homogeneous	<1% Cellulose	80% Non-fibrous (other) 20% Quartz	None Detected
Inseparable paint / coating layer included in analysis					
7 161203797-0007		Gray/Tan/Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					

Analyst(s)

Craig Nixon (3)

Melissa Newkirk (6)

Richard Harding, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. None Detected = <1%
Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from 03/13/2012 10:06:56

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205

Phone/Fax: (317) 803-2997 / (317) 803-3047

<http://www.emsl.com>indianapolislab@emsl.com

EMSL Order: 161203797

CustomerID: CERT60

CustomerPO:

ProjectID:

Attn: Robert Whiting
Qualtech Env. Svcs
434 Breesport**San Antonio, TX 78216**Phone: (210) 366-2171
Fax: (210) 366-2171
Received: 03/08/12 9:55 AM
Analysis Date: 3/13/2012
Collected:

Project: BLDG 1, AUDITORIUM, KERRVILLE VA, KERRVILLE TX

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 and/or EPA 600/M4-82-020 Method(s) using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
8 161203797-0008		Gray/Tan/Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					
9 161203797-0009		Gray/Tan/Red Non-Fibrous Homogeneous		100% Non-fibrous (other)	None Detected
Inseparable paint / coating layer included in analysis					

Analyst(s)

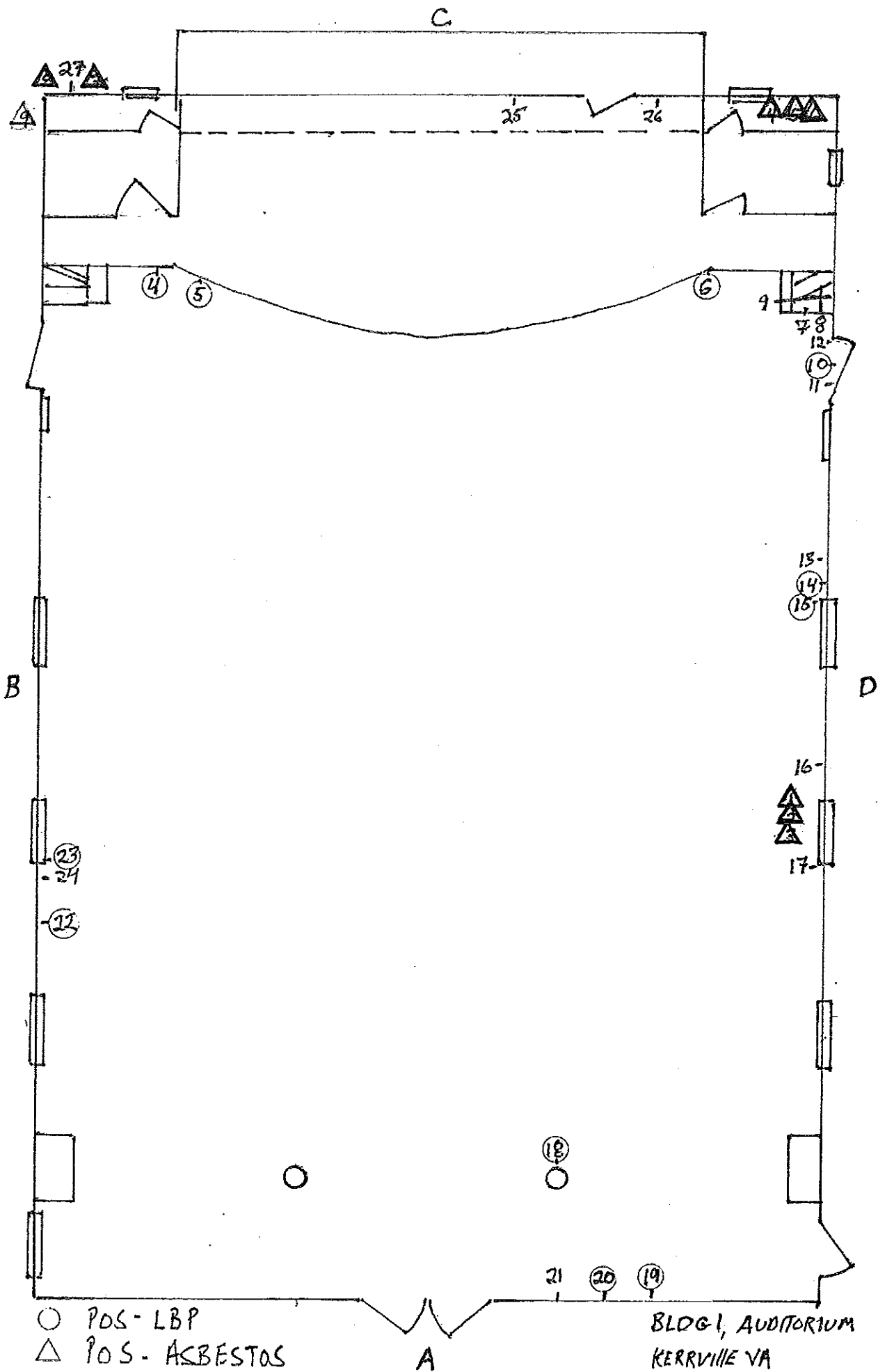
Craig Nixon (3)

Melissa Newkirk (6)

Richard Harding, Laboratory Manager
or other approved signatory

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Samples analyzed by EMSL Analytical, Inc. Indianapolis, IN NVLAP Lab Code 200188-0, AZ0939, CA 2575, CO AL-15132, TX 300262

Initial report from 03/13/2012 10:06:56





TEXAS DEPARTMENT OF STATE HEALTH SERVICES

QUALTECH ENVIRONMENTAL SERVICES, LLC

is certified to perform as a

Asbestos Consultant Agency

in the State of Texas within the purview of Texas Occupations Code, chapter 1954, so long as this license is not suspended or revoked and is renewed according to the rules adopted by the Texas Board of Health.

A handwritten signature in cursive script, reading "David Lakey MD".

DAVID LAKEY, M.D.
COMMISSIONER OF HEALTH

License Number: 100377

Control Number: 96321

Expiration Date: 5/25/2012

(Void After Expiration Date)

VOID IF ALTERED NON-TRANSFERABLE



**Texas Department of
State Health Services**

Asbestos Individual Consultant

ROBERT E WHITING

License No. 105658

Control No. 96122

Expiration Date: 5/19/2013

