

CASE SUPPLEMENTAL REPORT

Printed: 09/15/2014 15:40

Town Of Greenburgh Police Department

OCA: 2014005734

THE INFORMATION BELOW IS CONFIDENTIAL - FOR USE BY AUTHORIZED PERSONNEL ONLY

Case Status: INVESTIGATION PENDING

Case Mng Status: CLOSED

Occurred: 06/12/2014

Offense: SUSPICIOUS INCIDENT

Investigator: DEMELO, E. G. (1275)

Date / Time: 06/13/2014 20:00:24, Friday

Supervisor: WHITING, R. E. (2030)

Supervisor Review Date / Time: 06/13/2014 21:25:26, Friday

Contact:

Reference: Detective Supplement Report

Detective Division Case # 2014-098

On Thursday June 12 the undersigned along with Detective Sergeant Whiting responded to [redacted] in Scarsdale in regards to this investigation. Victim, [redacted], stated that while she was at Birch Hill Road with her 3 children, her Nanny [redacted], Nanny for the [redacted] family and [redacted], she was struck by a bullet. She further stated that she was on the playground adjacent to the house and while sitting on a swing she was struck on her left leg, just above her knee, by what she believes to be a bullet. [redacted] stated that she believes the bullet came from the Westchester County Police Revolver & Rifle League range located at 693 Ardsley Road. She also stated that she could hear gun shots from the range while at that location. After she was struck she drove with her children and [redacted] to her residence and called Police. [redacted] knee area was photographed which showed a small abrasion on her left knee. [redacted] also voluntarily turned over the jeans which she was wearing during the incident which were placed into evidence. [redacted] agreed to respond to the Detective Division on Friday June 13 to provide a written statement. [redacted] provided Police Officer Yuan what appears to be a spent bullet/fragment which was placed into evidence. [redacted], [redacted], stated she did not witness any object hit [redacted]

The undersigned contacted [redacted], who confirmed the statement made by [redacted]. She further stated that on numerous occasions she has found bullets outside the residence of Birch Hill Road. She provided Police Officer Yuan with a spent bullet which was placed into evidence. She agreed to respond to the Detective Division on Friday June 13th to provide a written statement.

The undersigned responded to Birch Hill Road and spoke to homeowner [redacted]. She stated that [redacted] had in the past found what she believed to be spent bullets outside the residence and on the street.

On Friday June 13 the undersigned along with Detective Sergeant Whiting responded to the Westchester County Police Revolver & Rifle League. [redacted] an employee showed Detectives the range location, lane 10 and lane 11, where the two shooters were shooting from at the time of the incident. He further stated that the shooter on lane 11 was shooting at a metal target that was secured by the dirt berm in the area of the backstop. The undersigned photographed the area and collected two spent bullets by the target area on lane 11. The spent bullets were similar to the spent bullet/fragment that [redacted] stated struck her. The undersigned along with Detective Sergeant Whiting then proceeded to walk on the path under the power lines between the range and Birch Hill Road. Numerous bullet fragments were observed on the path. A few samples were photographed, collected and placed into evidence. Listed Detectives then walked on top of the rock ledge that is just behind the berm/backstop at the rear of the range. On top of the rock ledge we observed numerous bullet fragments as well as whole spent bullets. A few samples were

Investigator Signature: Det E G Demelo

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Date / Time: 06/13/2014 20:00:24, Friday

Supervisor: WHITING, R. E. (2030)

Supervisor Review Date / Time: 06/13/2014 21:25:26, Friday

Contact:

Reference: Detective Supplement Report

photographed and placed into evidence.

The undersigned along with Detective Sergeant Whiting, Captain Ryan and Captain Weisner responded to the Westchester County Police Revolver & Rifle League and spoke to Vice President [REDACTED]. He agreed to closing the firing range until further notice.

[REDACTED] responded to the Detective Division and provided the undersigned with a written statement. In summary she stated that she was standing next to [REDACTED] when she saw something shiny out of the corner of her eye which bounced off [REDACTED]'s leg. [REDACTED] then fell to the ground. [REDACTED] and [REDACTED] then found on the ground a metal piece which they believe was a spent bullet.

The undersigned contacted [REDACTED], in regards to a written statement of the incident. She stated that she was not going to respond to the Police Department without an attorney. She further stated that she would contact the undersigned next week.

The following referrals were made by the undersigned and Chief McNerney:
The New York State Department of Environmental Conservation, Tom Rudolf (Regional Engineer) 914-428-2505 ext 369, who referred to the Division of Environmental Remediation, Bureau Director George Heitzman (518- 402-9682). Environmental Protection Agency (EPA) Criminal Enforcement ,Chuck Cavanaugh (202-564-2480) and Leonard Voo (212-637-1473).
Investigator Wade Hardy from Con Edison Security. Investigator Hardy advised that Con Edison Public Affairs was aware of the situation and he notified Con Edison Legal Department and Con Edison Real Estate Department. Bill Moore, 845-256-3127, of the New York Stated Department of Environmental Conservation. He stated that his department would inspect the range.

Reviewed 6/13/2014 Sgt. Robert Whiting.

Investigator Signature: RAH 54 Demelo

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Case Mng Status: CLOSED

Occurred: 06/12/2014

Offense: SUSPICIOUS INCIDENT

Investigator: DEMELO, E. G. (1275)

Date / Time: 07/07/2014 21:27:40, Monday

Supervisor: WHITING, R. E. (2030)

Supervisor Review Date / Time: 09/08/2014 22:54:58, Monday

Contact:

Reference: Detective Supplement Report

Detective Division Case # 2014-98.

On Tuesday June 17 2014 [REDACTED] responded to the Detective Division and provided the undersigned with a written statement which in summary stated the following. On Thursday June 12 2014 at about 4:00 PM he was shooting at the Westchester County Police Revolver & Rifle League. [REDACTED] was shooting from within the enclosed area at an AR500 steel target that had been placed on the dirt right behind the target stanchions. [REDACTED] was shooting a Glock Model 36 which is a 45 caliber handgun loaded with Magtech 230 grain full metal jacket ammunition. [REDACTED] was also shooting a Glock Model 19 which is a 9mm hand gun loaded with Blazer Brass 115 grain full metal jacket ammunition. [REDACTED] further stated that a male by the name of [REDACTED] was also shooting a 45 caliber handgun next to him and did also shoot at [REDACTED] metal target. [REDACTED] had been shooting for approximately 45 minutes when the Police arrived. [REDACTED] voluntarily provided the undersigned with the AR500 steel target, a box of the Blazer Brass, with one round of 9mm ammunition, and a box of the Magtech, with one round of 45 caliber ammunition. All listed items were placed into evidence.

On Tuesday July 1 2014 [REDACTED] responded to the Detective Division and provided the undersigned with a written statement which in summary stated the following. On Thursday June 12 at about 4:00 PM he was shooting at the Westchester County Police Revolver & Rifle League. He was using the shooting stall to the left of white male in his 40's. [REDACTED] was shooting a Les Baer Premier 2 handgun with 45 ACP Winchester 230 grain full metal jacket ammunition. [REDACTED] stated that he was only shooting at a wooden target that he rented from the range, which was placed at the 25 yard line, and denied shooting at [REDACTED] metal target. [REDACTED] was at the range for about 20 minutes prior to Police arrival. Solano did not have any ammunition to provide to the undersigned to assist in the investigation.

On Wednesday July 2 2014 [REDACTED] along with her husband [REDACTED] responded to the Detective Division. [REDACTED] provided a written statement which in summary states that on Thursday June 12 at about 4:15 PM she was in the playground at Birch Hill Road. While sitting in a glider swing, facing Ardsley Road, she felt something hit the inside of her left knee. She then found a sharp flattened metal disc, which she believed to be a bullet fragment, next to her. While in the playground [REDACTED] could hear guns shots coming from the range which is located on Ardsley Road. She sustained a cut to her left knee and bruising. She provided responding Officers with the piece of metal that had struck her.

Investigator Signature: Det Ed Demelo

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Case Mng Status: CLOSED

Occurred: 06/12/2014

Offense: SUSPICIOUS INCIDENT

Investigator: DEMELO, E. G. (1275)

Date / Time: 07/18/2014 15:41:19, Friday

Supervisor: WHITING, R. E. (2030)

Supervisor Review Date / Time: 09/11/2014 11:37:49, Thursday

Contact:

Reference: Detective Supplement Report

Detective Division Case # 2014-98.

On July 7 2014 a report was received from the Westchester County Department of Public Safety Crime Laboratory Ballistics Unit. This report was provided to the undersigned regarding evidence submitted which included Bag #1 the flat oval object that [REDACTED] stated had struck her, Bag #2 a spent bullet from Birch Hill Road and Bag #4 containing numerous flat lead bullets from area of target #11. The examination determined that the items submitted were of no ballistic value for comparison purposes.

On Thursday July 17 2014 the undersigned removed Bag #1 and Bag #4 from evidence and delivered them to the Westchester County Department of Laboratories & Research Environmental Services Metal Lab for a metallurgical analysis and comparison.

On Thursday July 17 2014 at 1340 hours Detective Parikka, Detective Jakasal, Detective Sergeant Powell and the undersigned arrived Westchester County Police Revolver & Rifle League located at 693 Ardsley Road. Upon arrival the undersigned spoke to [REDACTED] a range employee. He granted permission for us to take measurements within the range. Measurements were taken utilizing the Total Station. Detectives cleared the range at 1427 hours. Listed Detectives then responded to Birch Hill Road and contacted [REDACTED]. She granted permission for us to take measurements within the her property. Detective Parikka completed a diagram using the measurements taken from the Range and Birch Hill Road using the Total Station and provided to the diagram to the undersigned. The distance from the Shooting Range Structure Shooting Station 11 to the playground set at Birch Hill Road is approximately 482.6 feet with a difference in elevation of approximately elevation 38.04 feet.

On August 8 2014 the undersigned spoke with Dan Rothenberg from the Westchester County Forensic Laboratory with regards to the forensic analysis of the contents of Bag #1 and Bag #4. He stated that the contents were examined utilizing a Electron Microscopy-Energy Dispersive Spectroscopy (SEM-EDS) and it was determined that they contained lead, carbon and oxygen. The Forensic report was made part of this case.

On Friday August 8 2014 the undersigned removed Bag #7 containing a Box of Blazer Brass ammunition with one 9mm round and Bag #8 containing a box of Magteck ammunition with one 45 caliber round from evidence.

On Wednesday August 13 2014 Police Officer DiCairano removed the projectile from the 9mm round that was secured in Bag #7 and the projectile from the 45 caliber round secured in Bag #8. The projectiles were placed into evidence bags. The 9mm projectile was labeled Bag #7A and the 45 caliber projectile was labeled Bag #8A. They were taken to the Westchester County Forensic Laboratory to be compared against the sample from Bag #1.

Investigator Signature: Det Ed Demelo

Supplements [Edit]

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Case Status: *INVESTIGATION PENDING*

Case Mng Status: *CLOSED*

Occurred: 06/12/2014

Offense: *SUSPICIOUS INCIDENT*

Investigator: *DEMELO, E. G. (1275)*

Date / Time: *07/18/2014 15:41:19, Friday*

Supervisor: *WHITING, R. E. (2030)*

Supervisor Review Date / Time: *09/11/2014 11:37:49, Thursday*

Contact:

Reference: *Detective Supplement Report*

The Westchester County Department of Labs and Research Metals Lab provided an analysis report for the samples from Bag #1 and Bag #4 submitted on June 12 2014.

Bag #1 labeled by Westchester County Ballistics as T-1, contained 36.7% Weight/ Volume of Lead.

Bag #4 contained three samples and were labeled by Westchester County Ballistics as T-3A, T3-B and T-3C.

T-3A contained 25.9% Weight/ Volume of Lead.

T-3B contained 49.8% Weight/ Volume of Lead.

T-3C contained 29.3% Weight/ Volume of Lead.

From the analysis conducted by the Westchester County Department of Laboratories & Research there is no comparison between the lead Weight/Volume content from the sample from Bag #1, (T-1) and the samples from Bag #4, (T3-A, T-3B and T-3C).

On Wednesday July 3 2014 David Vinci Chief of Enviromental Laboratory Services advised the undersigned that the samples submitted were being re-analyzed by two different type of instruments designed for metal determinations, ICPEOS and ICPMS.

On September 4 2014 Vinci notified the undersigned of the new results which included the submitted 9mm round from Bag #7-A and the 45 caliber round from Bag #8-A.

T-1 contained 33.6 % Weight / Volume of Lead.

T-3A contained 23.9% Weight/ Volume of Lead.

T-3B contained 51.5 % Weight/ Volume of Lead.

T-3C contained 38.8 % Weight/ Volume of Lead.

7-A contained 79.0 Weight/Volume of Lead.

8-A contained 95.7 Weight/volume of Lead.

From the analysis conducted by the Westchester County Department of Laboratories & Research there is no comparison between the lead Weight/Volume content from the sample from Bag #1, (T-1) and the samples from Bag #4, (T3-A, T-3B, T-3C, 7-A and 8-A).

The evidence submitted in this case cannot forensically confirm that the content from Bag #1, originated from the Westchester County Police Revolver and Rifle League Range.

Investigator Signature: *Det EJ Demelo*

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Occurred: 06/12/2014

Offense: SUSPICIOUS INCIDENT

Investigator: DEMELO, E. G. (1275)

Date / Time: 07/18/2014 15:41:19, Friday

Supervisor: WHITING, R. E. (2030)

Supervisor Review Date / Time: 09/11/2014 11:37:49, Thursday

Contact:

Reference: Detective Supplement Report

Case Conclusion:

The investigation has circumstantially linked the incident at Birch Hill Road, whereby [REDACTED] was struck with a bullet fragment to her left knee causing an abrasion; resultant from the discharge of firearms by one of two individuals shooting at targets at the nearby Westchester County Police Revolver & Rifle League range.

The following facts support this conclusion:

The proximity of the residence located at Birch Hill Road which is approximately 500' west of an active firing range. The timeline is consistent with [REDACTED] E911 call in which she reported being struck by a bullet fragment, which is consistent with responding officers who confirm hearing gunshots emanating from the range upon their arrival.

The forensic evidence, (bullet fragments) recovered from the property of Birch Hill Road.

The admission by the two individuals participating in shooting target practice consistent within the timeline of events as they reportedly occurred.

The inconsistency of the two individuals in regards to whom was shooting at the metal target .

According to range personnel, the metal target used at the time in question was not appropriate for use at the Westchester County Police Revolver & Rifle League range .

The type of metal target used by the shooter and placed into the dirt berm gradually gave way causing the ammunition to strike it at an angle creating a condition for the rounds to ricochet.

The hundreds of rounds and lead fragments observed by investigators located down range in the direction of the overgrown grassy hill region above/outside the range which abuts a residential neighborhood.

The following locations were observed to be laden with numerous bullet fragments, consistent with originating from the Westchester County Police Pistol and Rifle Range; atop the stone cliff, in the grassy area near the high tension power lines, along a dirt roadway which runs in a north to south direction intersecting the grassy area just west of the stone cliff.

The witness account provided by [REDACTED] reporting that she observed a shiny object deflect of [REDACTED].

[REDACTED] leg. Ms. [REDACTED] further stated that she has recovered a number of bullet fragments on the property of Birch Hill Road on past occasions.

Although, it cannot be forensically confirmed, based on the foregoing facts, the undersigned posits that the bullet fragment which struck [REDACTED] on June 12, 2014, was fired from a shooting platform by a participant at the Westchester County Police Revolver & Rifle League range .

Investigator Signature: Det EJ Demelo

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Offense: SUSPICIOUS INCIDENT

Investigator: DEMELO, E. G. (1275)

Date / Time: 07/18/2014 15:41:19, Friday

Supervisor: WHITING, R. E. (2030)

Supervisor Review Date / Time: 09/11/2014 11:37:49, Thursday

Contact:

Reference: Detective Supplement Report

Reviewed and Closed 9/11/2014 Sgt. Robert Whiting.

Investigator Signature: Det Ed Demelo

Sample No. **AQ14437**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : RANGE
ARDSLEY ROAD
SCARSDALE, NY

Received By : RRC/EP
Bottle No : T3B

Collection Point : TARGET 11

Collected By : DEMELO
Collection Date : 06/12/2014 AT 12:00:00AM
Submitted On : 07/17/2014 AT 10:22:00AM

ID of Source :

Agency : Medical Examiner's Office
10 Dana Rd.
Valhalla, NY 10595

PWS No. :
Type Descriptor : Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : NA

Sample Type : S_OTHER

add'l Report To :

Comment :2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

COMMENT

See Narrative

08/11/2014 11:22 am RH

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 0.9841g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-AES utilizing method EPA 6010C.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 498,000 | 49.8 |
| Antimony (Sb) | 2,630 | 0.263 |

* Assumes 100% solids.

NYSDOH ELAP and NELAC only offer accreditation for environmental matrices. Unless the sample is otherwise qualified, all method QC requirements were found to be acceptable RWHjr

DL = Detection Limit

LOQ = Limit of Quantitation

J=value is an estimate

H = exceeds holding time

Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 08/11/2014

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

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Page 1 of 1

These analytical results relate only to the sample identified in this report.

Sample No. **AQ14436**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WESTCHESTER COUNTY POLICE
REVOLVER & RIFLE RANGE, ARDSLEY ROAD
SCARSDALE, NY

Received By : RRC/EP
Bottle No : T-3A

Collection Point : TARGET 11

ID of Source :

Collected By : DEMELO

Agency : Medical Examiner's Office
10 Dana Rd.
Valhalla, NY 10595

Collection Date : 06/12/2014 AT 12:00:00AM
Submitted On : 07/17/2014 AT 10:22:00AM

PWS No. :

Type Descriptor :

Source ID : 000

pH :

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : NA

Sample Type : S_OTHER

add'l Report To :

Comment : 2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

COMMENT

See Narrative

08/11/2014 11:22 am RH

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 1.7840g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-AES utilizing method EPA 6010C.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 259,000 | 25.9 |
| Antimony (Sb) | 12,600 | 1.26 |

* Assumes 100% solids.

NYSDOH ELAP and NELAC only offer accreditation for environmental matrices. Unless the sample is otherwise qualified, all method QC requirements were found to be acceptable RWHJr

| | | | |
|----------------------|-----------------------------|------------------------|--------------------------|
| DL = Detection Limit | LOQ = Limit of Quantitation | J=value is an estimate | H = exceeds holding time |
|----------------------|-----------------------------|------------------------|--------------------------|

Approved By Robert Hilbrandt **QA Officer** **Date Approved :** 08/11/2014

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

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These analytical results relate only to the sample identified in this report.

Sample No. **AQ14438**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : RANGE
ARDSLEY ROAD
SCARSDALE, NY

Received By : RRC/EP
Bottle No : T3C

Collection Point : TARGET 11

ID of Source :

Collected By : DEMELO
Collection Date : 06/12/2014 AT 12:00:00AM
Submitted On : 07/17/2014 AT 10:22:00AM

Agency : Medical Examiner's Office
10 Dana Rd.
Valhalla, NY 10595

PWS No. :
Type Descriptor : **Source ID :** 000

pH:

Free Cl2 :

Residual Cl2 :

Sample chilled on arrival ? : NA

Sample Type : S_OTHER

add'l Report To :

Comment : 2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

COMMENT

See Narrative

08/11/2014 11:22 am RH

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 1.0548g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-AES utilizing method EPA 6010C.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 393,000 | 39.3 |
| Antimony (Sb) | 7,510 | 0.751 |

* Assumes 100% solids.

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J=value is an estimate

H = exceeds holding time

Approved By *Robert Hilbrandt*

QA Officer

Date Approved : 08/11/2014

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

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Sample No. **AQ14435**

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location :



Received By : RRC/EP
Bottle No : T-1

Collection Point : GRASS

ID of Source :

Collected By : OYUAN
Collection Date : 06/12/2014 AT 12:00:00AM
Submitted On : 07/17/2014 AT 10:22:00AM

Agency : Medical Examiner's Office
10 Dana Rd.
Valhalla, NY 10595

PWS No. :
Type Descriptor : Source ID : 000
pH :

add'l Report To :

Free Cl2 : Residual Cl2 :
Sample chilled on arrival ? : NA
Sample Type : S_OTHER
Comment :2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

COMMENT

See Narrative

08/11/2014 11:22 am RH

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 1.3859g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-AES utilizing method EPA 6010C.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 367,000 | 36.7 |
| Antimony (Sb) | 1,290 | 0.129 |

* Assumes 100% solids.

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Approved By **Robert Hilbrandt**

QA Officer

Date Approved : 08/11/2014

Environmental Laboratories
NYS ELAP # 10108
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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : [REDACTED]
SCARSDALE, NY

Received By : RRC/EP
Bottle No : T-1
COC : Y

Collection Point : GRASS

Collected By : OYUAN
Collection Date : 06/12/2014 AT 12:00:00AM
Submitted On : 07/17/2014 AT 10:22:00AM

ID of Source :

Agency : Medical Examiner's Office
10 Dana Rd.
Valhalla, NY 10595

PWS No. :
Type Descriptor : Source ID : 000
pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : NA

Sample Type : S_OTHER

add'l Report To :

Comment :2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

THIS IS A CORRECTED COPY Correct Note

Reporting data from ICP-MS (EPA 6020A) as opposed to ICP-AES (EPA 6010C). RH

09/04/2014 10:03 am RH

COMMENT See Narrative

08/11/2014 11:22 am RH

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 1.3859g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-MS utilizing method EPA 6020A.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 336,000 | 33.6 |
| Copper (Cu) | 2,050 | 0.205 |
| Zinc (Zn) | 1,890 | 0.189 |
| Antimony (Sb) | 1,500 | 0.150 |

* Assumes 100% solids.

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| | | | |
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Approved By **Robert Hilbrandt** QA Officer Date Approved : 09/04/2014

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620
Original 9/4/2014

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REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : WESTCHESTER COUNTY POLICE
 REVOLVER & RIFLE RANGE, ARDSLEY ROAD
 SCARSDALE, NY

Received By : RRC/EP
 Bottle No : T-3A
 COC: Y

Collection Point : TARGET 11

Collected By : DEMELO
 Collection Date : 06/12/2014 AT 12:00:00AM
 Submitted On : 07/17/2014 AT 10:22:00AM

ID of Source :

Agency : Medical Examiner's Office
 10 Dana Rd.
 Valhalla, NY 10595

PWS No. :
 Type Descriptor : Source ID : 000

pH :
 Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : NA

Sample Type : S_OTHER

add'l Report To :

Comment :2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

THIS IS A CORRECTED COPY Correct Note

Reporting data from ICP-MS (EPA 6020A) as opposed to ICP-AES (EPA 6010C). RH 09/04/2014 10:03 am RH

COMMENT See Narrative

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 1.7840g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-MS utilizing method EPA 6020A. 08/11/2014 11:22 am RH

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 239,000 | 23.9 |
| Copper (Cu) | 736 | 0.074 |
| Zinc (Zn) | 987 | 0.099 |
| Antimony (Sb) | 9,360 | 0.936 |

* Assumes 100% solids.

NYSDOH ELAP and NELAC only offer accreditation for environmental matrices. Unless the sample is otherwise qualified, all method QC requirements were found to be acceptable RWHJr

| | | | |
|----------------------|-----------------------------|------------------------|--------------------------|
| DL = Detection Limit | LOQ = Limit of Quantitation | J=value is an estimate | H = exceeds holding time |
|----------------------|-----------------------------|------------------------|--------------------------|

Approved By **Robert Hilbrandt** QA Officer Date Approved : 09/04/2014

Environmental Laboratories
 NYS ELAP # 10108
 (914) 231-1620

Original 9/4/2014

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : RANGE
ARDSLEY ROAD
SCARSDALE, NY

Received By : RRC/EP
Bottle No : T3B
COC: Y

Collection Point : TARGET 11

Collected By : DEMELO
Collection Date : 06/12/2014 AT 12:00:00AM
Submitted On : 07/17/2014 AT 10:22:00AM

ID of Source :

Agency : Medical Examiner's Office
10 Dana Rd.
Valhalla, NY 10595

PWS No. :
Type Descriptor : Source ID : 000

pH :
Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : NA
Sample Type : S_OTHER

add'l Report To :

Comment :2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

THIS IS A CORRECTED COPY Correct Note

Reporting data from ICP-MS (EPA 6020A) as opposed to ICP-AES (EPA 6010C). RH 09/04/2014 10:03 am RH

COMMENT See Narrative

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 0.9841g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-MS utilizing method EPA 6020A. 08/11/2014 11:22 am RH

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 515,000 | 51.5 |
| Copper (Cu) | 2,100 | 0.210 |
| Zinc (Zn) | 6,820 | 0.682 |
| Antimony (Sb) | 3,680 | 0.368 |

* Assumes 100% solids.

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| | | | |
|----------------------|-----------------------------|------------------------|--------------------------|
| DL = Detection Limit | LOQ = Limit of Quantitation | J=value is an estimate | H = exceeds holding time |
|----------------------|-----------------------------|------------------------|--------------------------|

| | | |
|-------------------------------------|-------------------|----------------------------|
| Approved By Robert Hilbrandt | QA Officer | Date Approved : 09/04/2014 |
|-------------------------------------|-------------------|----------------------------|

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Original 9/4/2014

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : RANGE
ARDSLEY ROAD
SCARSDALE, NY

Received By : RRC/EP
Bottle No : T3C
COC: Y

Collection Point : TARGET 11

Collected By : DEMELO
Collection Date : 06/12/2014 AT 12:00:00AM
Submitted On : 07/17/2014 AT 10:22:00AM

ID of Source :

Agency : Medical Examiner's Office
10 Dana Rd.
Valhalla, NY 10595

PWS No. :
Type Descriptor : Source ID : 000

pH :
Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : NA
Sample Type : S_OTHER

add'l Report To :

Comment :2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

THIS IS A CORRECTED COPY Correct Note
Reporting data from ICP-MS (EPA 6020A) as opposed to ICP-AES (EPA 6010C). RH 09/04/2014 10:03 am RH
COMMENT See Narrative 08/11/2014 11:22 am RH
Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 1.0548g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-MS utilizing method EPA 6020A.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 388,000 | 38.8 |
| Copper (Cu) | 1,520 | 0.152 |
| Zinc (Zn) | 2,440 | 0.244 |
| Antimony (Sb) | 9,570 | 0.957 |

* Assumes 100% solids.
NYSDOH ELAP and NELAC only offer accreditation for environmental matrices. Unless the sample is otherwise qualified, all method QC requirements were found to be acceptable RWHJr

| | | | |
|-------------------------------------|-----------------------------|------------------------|--------------------------|
| DL = Detection Limit | LOQ = Limit of Quantitation | J=value is an estimate | H = exceeds holding time |
| Approved By Robert Hilbrandt | QA Officer | Date Approved : | 09/04/2014 |

Environmental Laboratories
NYS ELAP # 10108
(914) 231-1620

Original 9/4/2014

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : 2014- 5734

Received By : EP
 Bottle No : 14-5374 (8A)
 COC: Y

Collection Point : 8A .45 C. PROJECT

Collected By : DEMELO
 Collection Date : 08/13/2014 AT 9:30:00AM
 Submitted On : 08/13/2014 AT 11:40:00AM

ID of Source :

Agency : Medical Examiner's Office
 10 Dana Rd.
 Valhalla, NY 10595

PWS No. :
 Type Descriptor : Source ID : 000
 pH :

Free Cl2 : Residual Cl2 :

Sample chilled on arrival ? : NA

Sample Type : S_OTHER

add'l Report To :

Comment :2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

COMMENT

See Narrative

08/27/2014 12:04 pm RH

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of metal sleeve/jacket with a dark-gray metal core. These metal pieces were analyzed for total environmentally recoverable metals. We were able to cut the sample item in half and separate the sleeve/jacket from the core, we treated the two samples separately during analysis.

AQ16680A - Sleeve/Jacket/Core (half sample)

This sample consisted of 6.1187g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-MS utilizing method EPA 6020A.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 957,000 | 95.7 |
| Aluminum (Al) | 1,540 | 0.154 |
| Copper (Cu) | 806 | 0.081 |
| Zinc (Zn) | 1,630 | 0.163 |

* Assumes 100% solids.

AQ16680B - Core (only the Core)

This sample consisted of 0.2743g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-MS utilizing method EPA 6020A.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 923,000 | 92.3 |
| Antimony (Sb) | 10,400 | 1.04 |
| Copper (Cu) | 5,200 | 0.520 |

* Assumes 100% solids.

NYSDOH ELAP and NELAC only offer accreditation for environmental matrices. Unless the sample is otherwise qualified, all method QC requirements were found to be acceptable RWHJr

| | | | |
|----------------------|-----------------------------|------------------------|--------------------------|
| DL = Detection Limit | LOQ = Limit of Quantitation | J=value is an estimate | H = exceeds holding time |
|----------------------|-----------------------------|------------------------|--------------------------|

Approved By **Robert Hilbrandt** QA Officer Date Approved : 09/04/2014

Environmental Laboratories

Original 9/4/2014

NYS ELAP # 10108
 (914) 231-1620

These analytical results relate only to the sample identified in this report.

REPORT OF ANALYSIS

Westchester County Department of Labs and Research

10 Dana Road Valhalla, New York 10595

Sample Location : 2014- 5734

Received By : EP
 Bottle No : 14-5374 (7A)
 COC: Y

Collection Point : 7A 9MM PROJECT

Collected By : DEMELO
 Collection Date : 08/13/2014 AT 9:30:00AM
 Submitted On : 08/13/2014 AT 11:40:00AM
 PWS No. :

ID of Source :

Agency : Medical Examiner's Office
 10 Dana Rd.
 Valhalla, NY 10595

Type Descriptor : Source ID : 000
 pH :
 Free Cl2 : Residual Cl2 :

add'l Report To :

Sample chilled on arrival ? : NA
 Sample Type : S_OTHER

Comment :2014-5734

| Method | Test Description | Results | Qualifier | Units | DL/LOQ | Analyzed on | Validator |
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|
|--------|------------------|---------|-----------|-------|--------|-------------|-----------|

Inorganics

COMMENT See Narrative

08/27/2014 12:04 pm RH

Narrative: The sample that was submitted by the Greenburgh Police Dept. consisted of small pieces of malleable dark-gray metal. These metal pieces were analyzed for total environmentally recoverable metals. This metal sample consisted of 2.1121g of material which was digested with nitric acid (HNO3) and hydrogen peroxide (H2O2) consistent with EPA Method 3050B. The digestate was then analyzed for metals by ICP-MS utilizing method EPA 6020A.

| Element | Concentration (ug/g or mg/Kg) | %Weight/Volume* |
|---------------|-------------------------------|-----------------|
| Lead (Pb) | 790,000 | 79.0 |
| Copper (Cu) | 4,770 | 0.477 |
| Zinc (Zn) | 5,220 | 0.522 |
| Antimony (Sb) | 4,800 | 0.480 |

* Assumes 100% solids.

NYSDOH ELAP and NELAC only offer accreditation for environmental matrices. Unless the sample is otherwise qualified, all method QC requirements were found to be acceptable RWHJr

| | | | |
|----------------------|-----------------------------|------------------------|--------------------------|
| DL = Detection Limit | LOQ = Limit of Quantitation | J=value is an estimate | H = exceeds holding time |
|----------------------|-----------------------------|------------------------|--------------------------|

Approved By **Robert Hilbrandt** QA Officer Date Approved : 09/04/2014

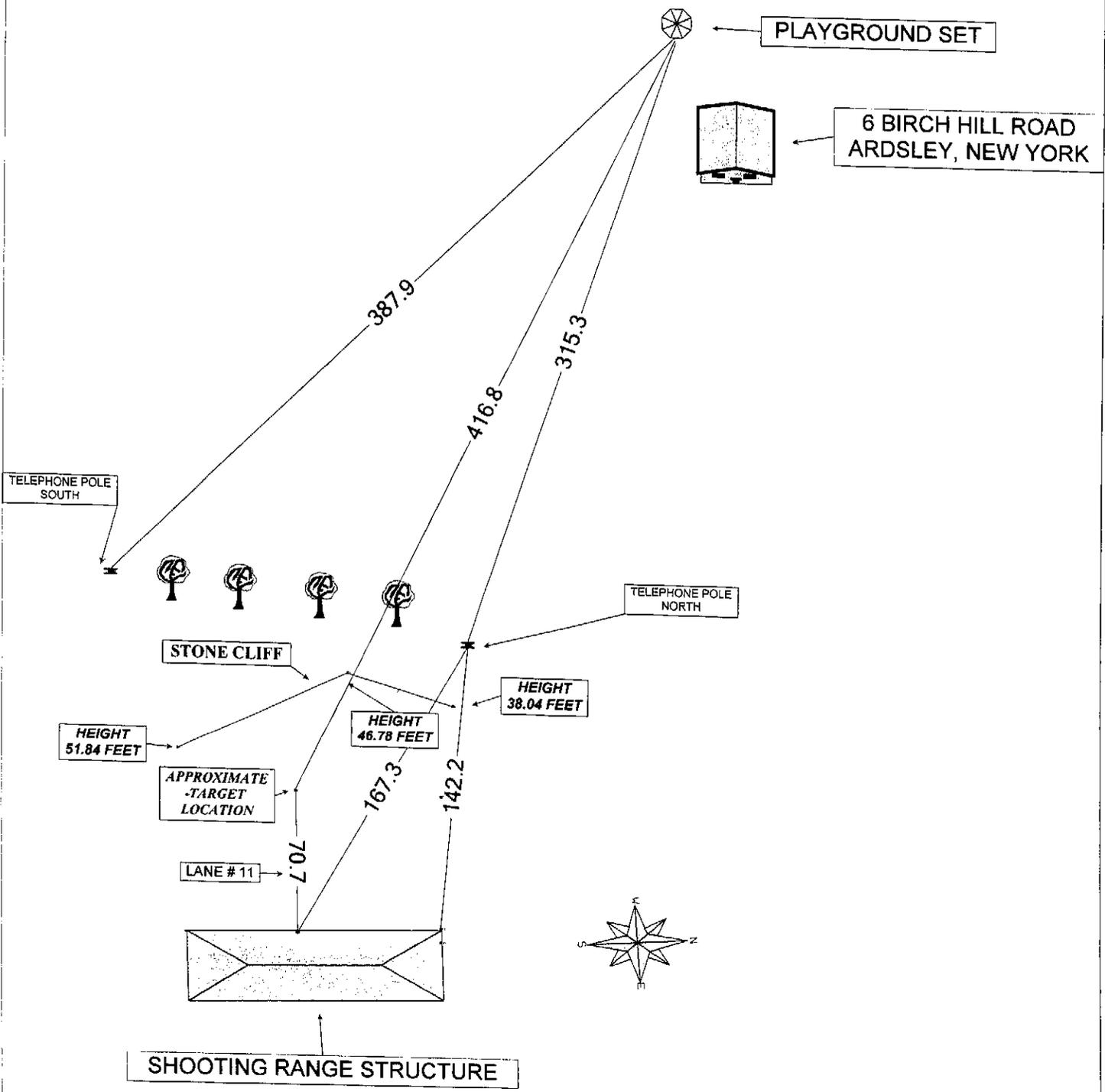
Environmental Laboratories
 NYS ELAP # 10108
 (914) 231-1620

Original 9/4/2014

These analytical results relate only to the sample identified in this report.

Greenburgh Police Dept.

| | |
|---|--|
| Drawn By Det. Nick Parikka #106 | Location: 693 Ardsley Road, Ardsley, NY |
| Date Drawn | Incident Date: |
| Scale 1" = 72.14' | Case DD Case # 2014-098 |



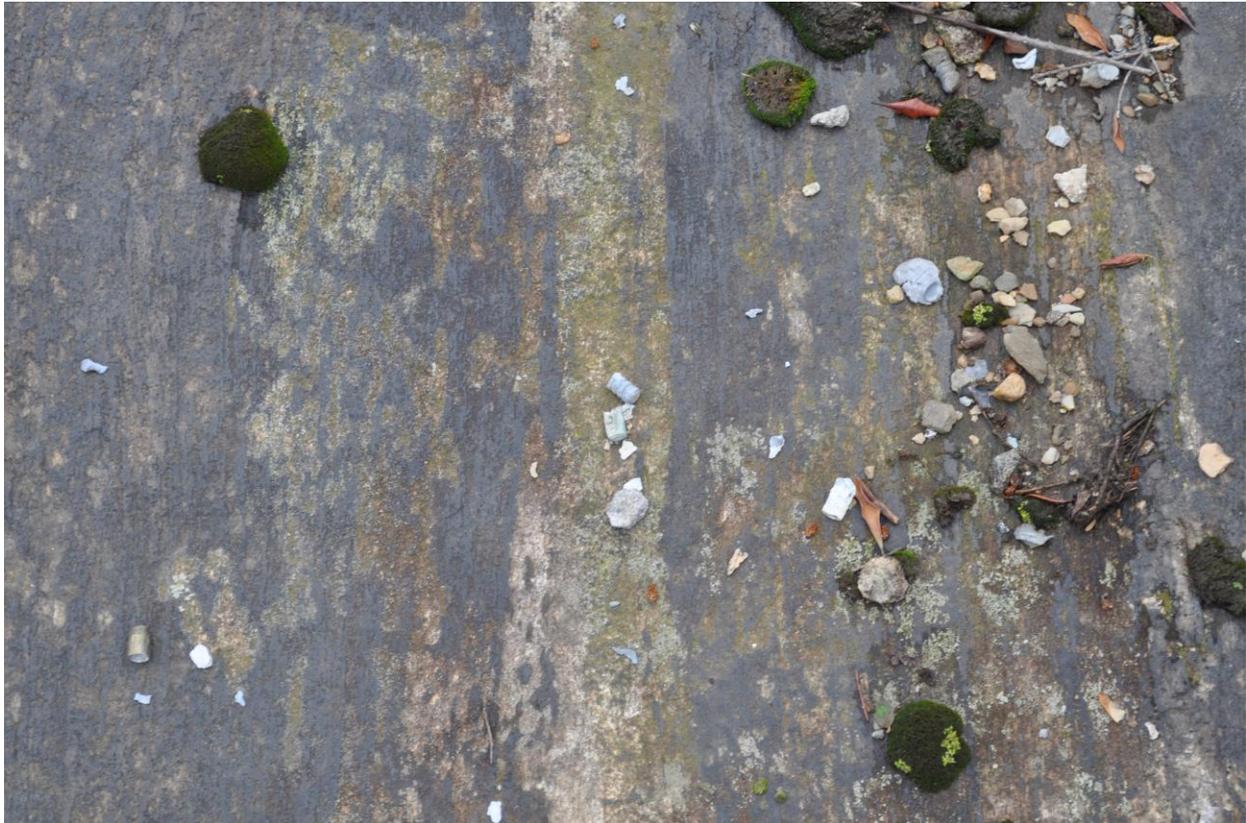
TOWN OF GREENBURGH POLICE DEPT.

Measurement Data Log

| | | | |
|----------------------------|------------------------------|------------------------------------|--------------|
| File Number | DD # 2014-098 | Scene Measured By | DET. JAKASAL |
| Incident Date/Time | 17-Jul-2014 03:29 PM | ID Number (measured by) | 130 |
| Incident Location | 693 ARDSLEY ROAD, ARDSLEY, N | Scene Assisted By | DET. PARIKKA |
| Date Measured On | 17-Jul-2014 | ID Number (assisted by) | 106 |
| Weather Description | Clear | Reference Point Description | RANGE |
| Road Description | Gravel | Secondary Reference Point | |
| Narrative | | Visibility Description | Unlimited |

| Point | X | Y | Z | Description | Notes |
|-------|-----------|----------|---------|-------------|-------|
| 1 | 0.0000 | 0.0000 | 0.0000 | RP | |
| 2 | 0.1320 | 65.4340 | 2.4980 | RANGE | |
| 3 | -125.1560 | 63.6020 | 2.5320 | RANGE | |
| 4 | -125.6400 | -3.8820 | 0.4980 | RANGE | |
| 5 | -129.7800 | 86.9200 | 51.8400 | CLIFEDGE | |
| 6 | 5.8000 | 110.9200 | 38.0400 | CLIFEDGE | |
| 7 | -46.1400 | 126.0600 | 46.7800 | CLIFEDGECTR | |
| 8 | -71.9000 | 67.0500 | 2.7380 | 11TARGET | |
| 9 | -70.9840 | -3.3040 | 0.3200 | 11 | |
| 10 | 0.2000 | -7.2400 | 0.1060 | STANCE | |
| 11 | 12.9400 | 141.2800 | 55.2400 | POLE | |
| 12 | -162.6800 | 172.2800 | 88.3400 | POLE2 | |
| 13 | 0.0000 | 0.0000 | 0.0000 | | |











WESTCHESTER COUNTY DEPARTMENT of PUBLIC SAFETY
 CRIME LABORATORY
 1 Saw Mill River Parkway
 Hawthorne, New York 10532



FIREARMS SECTION
ANALYSIS REPORT

July 07, 2014

Det Ed Demelo
 Greenburgh Police Department
 188 Tarrytown Road
 White Plains, NY 10607

This is to certify that the foregoing is a true and complete copy (photograph) of a record on file with the Westchester County Department of Public Safety.

This is to inform you of the results of the Firearms Examination conducted by the Westchester County Department of Public Safety Crime Laboratory.

Date Submitted: 06/16/14 Submitted By: Det. Robert Prescott
 Greenburgh Police Department Dept. Case #: 2014-5134
 FIU Case #: 14-0238 FIU Officer Assigned: Det Anthony S. Tota

EVIDENCE RECEIVED:

| | |
|---|------------|
| ITEM#01 – 1-PIECE OF DEFORMED LEAD, 52.2GR | 14-238 T1 |
| ITEM#02 – 1-9MM/38 CAL DEFORMED LEAD BULLET, 123.9GR, ?/R | 14-238 T2 |
| ITEM#3A – 1-PIECE OF DEFORMED LEAD, 77.6GR | 14-238 T3A |
| ITEM#3B – 1-PIECE OF DEFORMED LEAD, 37.2GR | 14-238 T3B |
| ITEM#3C – 1-PIECE OF DEFORMED LEAD, 38.3GR | 14-238 T3C |

EXAMINATION:

THE ITEM MARKED 14-238 T1, T2, T3A, T3B AND T3C WERE EXAMINED ARE STORED IN SAFE. THE EVIDENCE M 14-238 T3A-T3B-T3C HAVE NO VALUE FOR COMPARISON PURPOSES.

There is a forensic case file associated with this report. This case file may contain additional information such as which test methods were used, the results of each test, and may be comprised of worksheets, images, analytical data, and other documents.

All comparative examination results are opinions and interpretations based on the training, experience, and expertise of the analyst(s).

Det. Anthony S. Tota
 Senior Firearms Examiner

| | | | | | |
|-----------------|----------------------|--------------------|-------|--------------|---------------------|
| Document Title: | Firearms Test Report | Document Control # | QA125 | Approved by: | Laboratory Director |
| Issue Date: | 02/26/2013 | Revision # | N/A | Page info: | Page 1 of 1 |