LETTER OF TRANSMITTAL

DATE: 12-11-15

COPIES Electronic

TO: NYCSCA - IEH Division
30-30 Thomson Avenue
LIC, NY 11101

FROM: Romana Naroznik, P.G.

TITLE: Sr. Environmental Scientist

ATTENTION: Paul Sherwood

JOB NO. (STV): 3017079-0103

JOB NO. (CLIENT)

FILE NO.:

REFERENCE: **PS/IS 323 (K263), 210 Chester Street, Brooklyn, New York 11211**

HOW IT IS BEING SENT:

- ☒ ATTACHED
- ☐ VIA SEPARATE COVER
- ☐ PRIORITY OVERNIGHT (next morning)
- ☐ STANDARD OVERNIGHT (next afternoon)
- ☐ 2ND DAY
- ☐ REGULAR MAIL

WHAT IS BEING SENT:

- ☐ SHOP DRAWINGS
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ACTION CODES:

(A) INDICATED ON ITEM (C) FOR YOUR USE (E) FOR INFORMATION ONLY (G) FOR APPROVAL
(B) SEE REMARKS (D) AS REQUESTED (F) FOR REVIEW & COMMENT

ITEM	REV. NUMBER	QUANTITY	DESCRIPTION	ACTION CODE
1		1	PS/IS 323 (K263) Excavated Material Disposal Plan	A

REMARKS:

Please see attached submittal and review memo for the Excavated Material Disposal Plan for PS/IS 323 (K263).

Romana Naroznik

SIGNED _____

AN EMPLOYEE-OWNED COMPANY PROVIDING QUALITY SERVICES SINCE 1912

225 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10003-1604
(212) 777-4400 FAX: (212) 529-5237

Submittal Review
Prepared by: Romana Naroznik, STV

December 11, 2015

Project
PS / IS 323 (K263)
Service ID: 60883

Submission

Submittal:	EMDP
Specification reference:	02200
Received date:	12/4/15
Copies:	1 - Electronic

STV has completed a review of the Excavated Materials Disposal Plan (EMDP) prepared for PS / IS 323 (263K). This review was completed with respect to the EMDP requirements specified in Section 02200. The submittal was prepared and signed by Mr. Ritesh Shah, CESCO on behalf of Bagiana Construction Inc. (the Contractor), and is dated December 3, 2015. We understand that the Contractor proposes to characterize, excavate, manage, transport, and dispose of approximately 35 cubic yards of non-hazardous excavated material (NHEM) to be generated as part of the construction of the Reso-A-Accessibility in PS / IS 323 (263K). Specific review actions are as follows:

Product Submissions	**Review Action**
02200 – EMDP	Revise and Resubmit [1-7]

NOTES:

1. The EMDP must be signed by a Certified Hazardous Materials Manager approved by the Institute of Hazardous Materials Management in Rockville, Maryland, or Qualified Environmental Professional, approved by the Institute of Professional Environmental Practice, Pittsburgh, Pennsylvania, or similar board-certified professional.

2. The EMDP doesn't include a 6 NYCRR Part 364 Waste Transporter for Bazat Trucking Corp. Provide a copy of the valid 6 NYCRR 364 Waste Transporter Permit for each proposed waste hauler that indicates State approval to transport NHEM to the intended disposal facility. Valid waste transporter permit(s) are required to be submitted and approved prior to the start of any excavation work.

3. Section B states that a minimum of two samples will be collected, however analytical results for one soil sample were submitted. The estimated excavation quantity is 35 CY and the stated sampling frequency is one sample per 500 CY. Confirm/clarify the proposed number of waste characterization samples and proposed waste characterization analyses.

4. Section B states that Figure 2 should show soil sample locations and sampling grids with estimated average depths of excavation in each grid. Revise Figure 2 according to Section B.

5. The Contractor is responsible for ensuring that the waste characterization sampling meets the acceptance requirements of Clean Earth of Carteret. STV notes that some analysis required by Clean Earth of Carteret were not performed (TPH, TCLP Metals, etc.). The Contractor must provide a letter from Clean Earth of Carteret confirming that they will accept the waste Site materials for the duration of the Contract.

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6. As applicable, provide a completed waste profile form for the proposed facility(ies) along with a cover letter on Contractor letterhead certifying that the Contractor has provided the disposal facility with full disclosure of the analytical data.

7. The inclusion of Health and Safety Plan (HASP) was noted but not reviewed. The health and safety of the Contractor's employees as well as the implementation of HASP is the sole responsibility of the Contractor.

These comments should not be construed in any way as intent to limit the Contractor's responsibilities. The absence of a comment with respect to a specific Contract requirement should not be interpreted as a suggestion to change a Contract requirement.

Citizen Gen. Contractors Inc.

Related Subcontractor's Name: Bagiana Construction Inc.
Project Name: PS/IS 323 Brooklyn
Project Description: Reso A Accessibility
Design No: D016319
LLW#: 090034
Contract No: C000013928
Specification Sect: 02200 -1.05(D-5), E
Testing Results and Excavated Material Disposal Plan
Section Name: Earthwork
No. Pages in Submittal: 111
Date: 12/4/15 – 1st Submission

Excavated Materials Disposal Plan (EMDP)

PS/IS 323K
210 Chester Street
Brooklyn, NY 11211

Date Prepared:12/03/15

Revision No.#00

STV Incorporated
FILE No.: 3017079-0103
☐ CONFORMS
☐ CONFORMS AS NOTED
☒ REVISE AS NOTED AND RESUBMIT
☐ REJECTED, RESUBMIT
☐ REVIEW NOT REQUIRED
BY: Romana Nacozzi
DATE: 12-11-15
THIS DOCUMENT HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY.
This review does not relieve the contractor or any subcontractor of responsibility for full compliance with contract requirements; for correctness of dimensions, clearances, and material quantities; for proper design of details; for proper fabrication and construction techniques; for proper coordination with other trades; and for providing all devices required for safe and satisfactory construction and operation.

Contractor:
BAGIANA CONSTRUCTION INC.
94-37 212th Street
Queens Village, NY 11428

Table of Contents

Title
Introduction

A. Pre-Excavation Utility Surveys

B. Waste Characterization Sampling

C. Management of Excavated Soil

D. Disposal Facilities and Waste Transporters

E. Quality Assurance/Quality Control

F. Signature of Certified Preparer

List of Figures
Figure 1 - Site Plan
Figure 2- Waste Characterization Sampling Plan

List of Appendices
Appendix A -Health and Safety Plan

Appendix B -Waste Transporter Permits

Appendix C- Disposal Facility Permits and Supporting Documentation (including a copy of the NYSDEC Part 360 Permit or equivalent out of state regulatory agency permit) and table

Appendix D-Soil Test Result

Introduction

This Excavated Materials Disposal Plan (EMDP) describes the procedures to be followed for the characterization, excavation, management, transportation and disposal of material excavated at *PS/IS 323K located at 210 Chester Street, Brooklyn, NY 11212* in accordance with SCA Specification Section 02200, *Design No.#D016319 dated 04/22/2015*. This work will be performed by *Bagiana Construction Inc.* under this contract.

Project activities associated with this EMDP include the characterization, excavation, management, transportation, and disposal of approximately *35* cubic yards of non-hazardous excavated material for the construction of the *Reso-A-Accessibility-PS/IS 323K*

All material excavated from the Site is assumed to meet the definition of non-hazardous excavated material. According to Specification Section 02200, Section 1.04, the following definitions apply to this Project.

Non-Hazardous Excavated Material

Material that may include or contain mixtures of the following: soil (including, but not limited to, natural undisturbed material), debris, concrete and concrete products (including steel or fiberglass reinforcing rods that are embedded in the concrete), asphalt pavement, brick, glass, rock, municipal solid waste, refuse, and incidental ash. This material includes material defined in Title 6 New York Code of Rules and Regulations 360-7.l(b)(i) and will exceed 6 NYCRR 375-6 Unrestricted Use and Restricted Use Soil Cleanup Objectives and NYSDEC CP-51: Soil Cleanup Guidance Supplemental Soil Cleanup Objectives.

All material excavated from the site is assumed to meet the definition of non-hazardous excavated material.

Petroleum-Contaminated Material

Material (soil, concrete, sediment, UST contents, fill, debris, etc.) that meets the NYSDEC STARS Memo #1 definition of petroleum-contaminated material from known source areas. Petroleum contaminated material shall be evidenced by the following observations and be from a known source area: producing higher than background responses on a portable vapor meter such as a photo ionization detector or flame. ionization detector, petroleum-like odor, visual impacts (e.g., staining or discoloration), proximity to known releases from existing or historic petroleum storage tanks or systems, and exceed the soil cleanup levels for gasoline and/or fuel oil contaminated soil provided in the NYSDEC CP-51: Soil Cleanup Guidance. The determination as to whether the excavated material is petroleum-contaminated or is non-petroleum contaminated material will be made by analytical testing of representative material samples. All sampling shall be performed under the supervision of the Authority's IEH Division or its representative. The Contractor shall provide the IEH Division with qualitative and quantitative information, and the IEH Division shall make the final determination as to whether or not the material is petroleum-contaminated and the appropriate disposal.

Hazardous Waste

Material meeting the definition of a Resource Conservation and Recovery Act hazardous waste as defined in 40 CFR Part 261, New York State ECL Section 27-09 or 6 NYCRR Part 371.

Environmentally Clean Fill and Backfill

Refer to Section 02200 for definition and requirements associated with fill and backfill.

A. PRE-EXCAVATION UTILITY SURVEYS

Utility Mark out company will be contacted to scan the sub-surface utilities and each of the existing utilities will be flagged/marked with different colors. Underground utilities scanner will be used to located the utilities. Appropriate contact will be made with underground facilities protective organizations in accordance with applicable laws and regulations.

B. WASTE CHARACTERIZATION SAMPLING

Waste characterization samples will be collected and analyzed in accordance with the proposed disposal facility(ies) requirements, outlined in Section D.

Atleast min. 2 soil sample will be collected from the existing ground by doing a geoprobe.

A total of 2 soil samples will be collected for analysis. This number of soil samples equates to one sample for every 500 cubic yards of excavated material. Each sample will be analyzed for the following parameters:

- Volatile organic compounds (VOCs) by USEPA Method 8260
- Semi-volatile organic compounds (SVOCs) by USEPA Method 8270
- Polychlorinated biphenyls (PCBs) by USEPA Method 8082
- Pesticides via USEPA Method 8081
- Herbicides via USEPA Method 8151
- RCRA Metals via USEPA Method 6010
- Mercury via USEPA Method 7471

Figure 1 *shows the site, an outline of the proposed new construction and proposed excavation areas*

Figure 2 *shall show the Site, the locations on the Site where soil samples shall be collected, and which discrete soil samples shall make up composite sample(s), as applicable. Note that the Figure should show sampling grids with estimated average depths of excavation in each grid.*

Discrete grab samples will be collected for VOCs. A two-point composite sample will be collected for all other analytes listed above. Samples will be analyzed by American Analytical Laboratories LLC., 56 Toledo Street, Farmingdale, NY 11735, a New York State Department of Health Environmental Laboratory Approval Program (ELAP) -certified laboratory.

After sample collection, the soil samples will be shipped to the NYSDOH ELAP certified laboratory in chilled coolers, and accompanied by appropriate chain of custody records. Analytical results will be provided to the proposed disposal facilities for their review and approval. In addition, the results will be submitted to the NYCSCA's IEH Division. A letter on *Bagiana Construction Inc.* letterhead will be provided to the NYCSCA that states that all available analytical data has been provided to the disposal facility. The disposal facility(ies) will provide an original signed letter indicating that the soil meets the acceptance
criteria for their facility(ies) and the excavated material is accepted for disposal. This letter will be forwarded to the NYCSCA upon receipt. In addition, one soil sample for every 500 cyd will be collected and analyzed for the following parameters
RCRA Characteristics
Full TCLP
(See the attached soil result and the permit for recommended sampling requirements)

C. MANAGEMENT OF EXCAVATED SOIL

Excavator will be used to excavated the ground. As the excavation progresses shoring will be installed to support the adjoining ground. The excavated material will be stock pilled within the work area.

On-site personnel involved in excavation activities shall comply with applicable Occupational Safety and Health Administration (OSHA) rules and regulations, New York City Department of Buildings (NYCDOB) requirements, and the Health and Safety Plan (HASP) presented as Appendix A to this EMDP.

Excavated soil, if not directly loaded into trucks for transportation and disposal, will be stockpiled on-site. Stockpiles will be placed on and covered with heavy duty tarps secured by sand bags.

Dust suppression will be performed during work activities where the potential for elevated dust conditions exists. Water will be used to spray/mist excavation areas in these instances. There will be no visible dust emissions from the work areas. Other dust suppression techniques which may be utilized include speed limits for trucks in unpaved areas, maintenance of Site paving as long as practical, and minimization of excavation activities during periods of high winds.

D. DISPOSAL FACILITIES AND WASTE HAULERS

Excavated material transportation will be performed by licensed transporters with valid NYSDEC 6 NYCRR 364 Waste Transporter Permits. All proposed disposal facilities shall be listed on the waste transporter permits. Loaded vehicles leaving the Site will be appropriately cleaned, lined, and covered in accordance with applicable laws and regulations. The proposed licensed transporters with valid 6 NYCRR 364 Permits for this project are as follows:

• ***Transporter***
Bazat Trucking Corp.
319 Barretto Street
Bronx, NY 10474

Please refer to Appendix B for copies of the waste transporter permits.

Non-hazardous excavated material shall be transported to an off-site disposal facility meeting the requirements of 6 NYCRR Part 360 or equivalent out-of-state facility approved by the appropriate regulatory agency of that State with a permit to receive non-hazardous excavated material.

The proposed disposal facilities meeting the criteria described above for this project are as follows:
Landfill Location-
Clean Earth of Carteret LLC.
24 Middlesex Ave
Carteret, NJ

Please refer to Appendix C for copies of the disposal facility permits and soil testing requirements, and acceptance criteria for each proposed disposal facility.

Waste characterization data will be provided to the proposed disposal facilities for their review and approval. An original signed approval letter from each disposal facility will be submitted to the NYCSCA IEH Division at least 48 hours prior to transportation and off-site disposal.

If the excavated material is rejected by the above proposed disposal facilities for any reason, an alternate disposal facility (including required documentation) meeting the requirements of the Specification Section 02200 will be proposed for NYCSCA IEH Division's consideration.

E. QUALITY ASSURANCE/ QUALITY CONTROL

A qualified person will coordinate and manage the sampling and analysis program, management, transportation, and disposal of excavated materials from the Site. Bagiana Construction Inc. will direct these activities.

Laboratories used will be NYSDOH ELAP certified laboratories. The laboratories will communicate directly with the samplers regarding the analytical results and reporting and will be responsible for providing all labels, sample containers, trip blanks, shipping coolers, and laboratory documentation.

Periodic quality assurance/quality control (QA/QC) audits of the EMDP will be performed by the Contractor, and may also be performed by the NYCSCA, or the NYCSCA's auditors. Any items noted to be in non-compliance will be documented and audit findings will be presented to Bagiana Construction Inc. for resolution (with a copy to the NYCSCA IEH Division). Verification of resolution(s) will be determined through re-inspecting or re-auditing the non-compliant item.

All records regarding the removal and disposal of excavated materials shall be maintained by *Bagiana Construction Inc.* at the project site. These records will be made available to the NYCSCA or their designated representatives at their request. Shipping manifests and/or bills of ladings for excavated material will be provided to the NYCSCA on a daily basis.

F. SIGNATURE OF CERTIFIED PREPARER

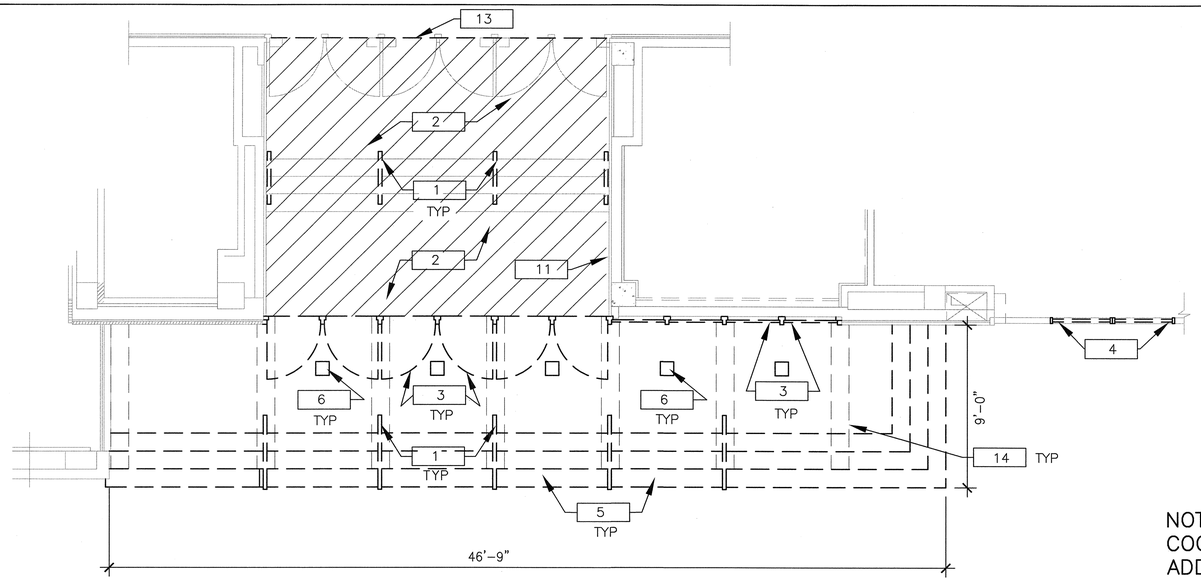
Ritesh Shah has prepared this EMDP for the *PS/IS 323K located at210 Chester Street, Brooklyn, NY 11212* in accordance with the requirements of Specification Section 02200. Additionally, *Ritesh Shah* hereby certifies that *he* is a currently certified Environmental and Safety Compliance Office.

PREPARED BY:

Name- Ritesh Shah

Certification and Certification Number: CESCO 654786290.

Figure 1 - Site Plan



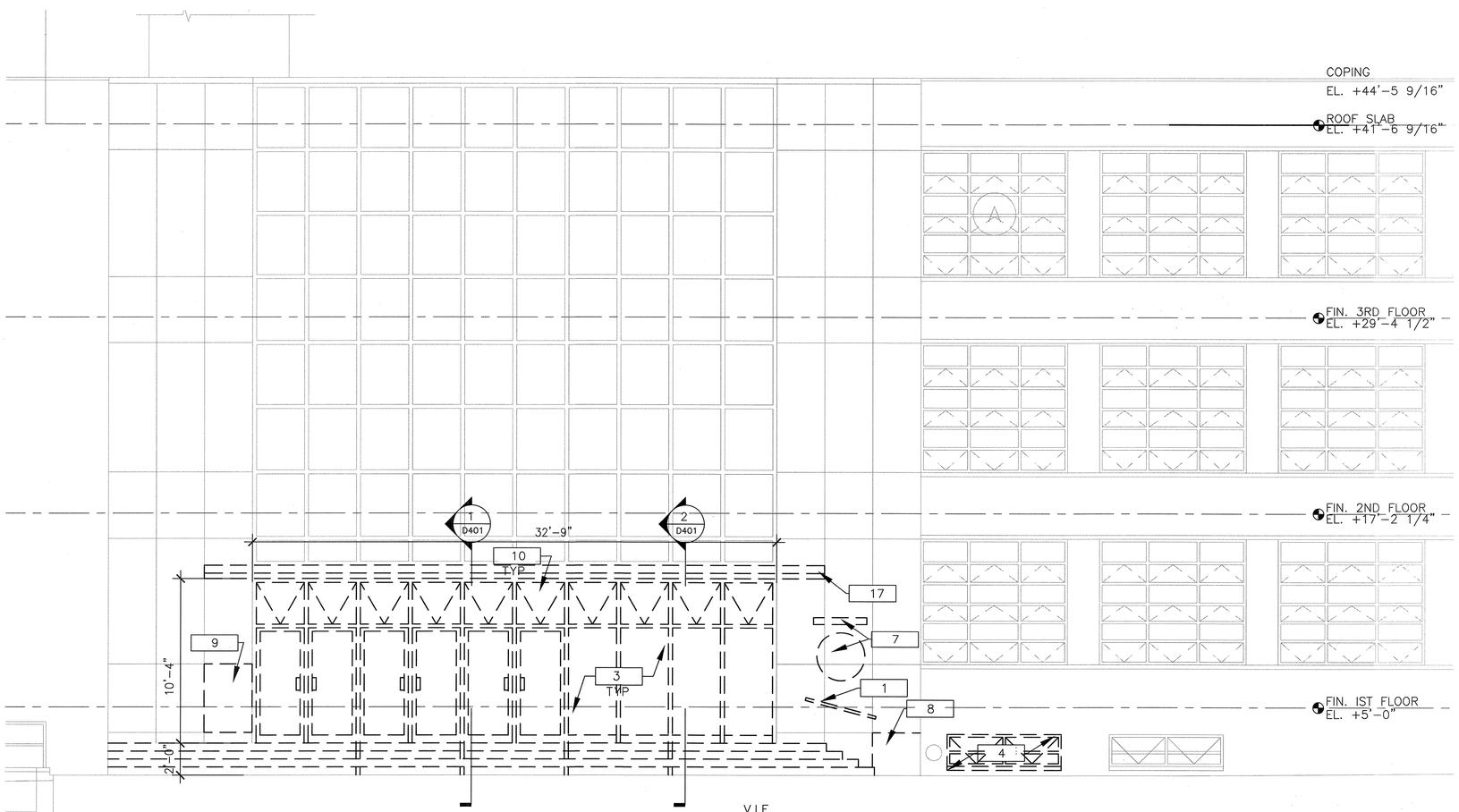
1 DEMOLITION PLAN

NORTH

0 2' 4' 8' 16'
SCALE: 1/4" = 1'-0"

NOTE:
COORDINATE WITH A025, SITE PLAN FOR ADDITIONAL SITE INFO.

DEMOLITION SHALL BE PHASED.
REFER TO A020 FOR PHASING.



1 DEMOLITION ELEVATION

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DEMOLITION KEY NOTES

1. REMOVE EXISTING HANDRAILS AND GUARDRAILS
2. REMOVE EXISTING TERRAZZO FLOORING MATERIAL DOWN TO EXISTING CONCRETE SLAB.
3. REMOVE EXISTING DOORS, FIXED PANELS, AND FRAMING SYSTEM. REFER TO PHASING DRAWING A020 FOR REINSTALLATION OF EXISTING DOORS. PREP ADJACENT SURFACES TO RECEIVE ALUMINUM FRAMING SYSTEM.
4. REMOVE EXISTING WINDOW ASSEMBLY, ADD SLATE SILL, AND STRIP OPENING DOWN TO BARE MASONRY. PREP OPENING TO RECEIVE NEW MASONRY INFILL.
5. REMOVE EXISTING GRANITE STEPS AND LANDING. DEMO AND REMOVE ALL FOUNDATION WALLS BELOW LANDING.
6. REMOVE EXISTING LIGHT FIXTURE. SEE FOR ELECTRICAL REMOVALS. SEAL TIGHT ALL UNUSED ELECTRICAL PENETRATIONS.
7. REMOVE EXISTING SIGNAGE AND NYC SEAL. STORE FOR REUSE. REPAIR EXISTING SIGN AS REQUIRED TO READ "P.S./ I.S. 323"
8. REMOVE EXISTING CORNER STONE WITH "1955" INSCRIPTION. SALVAGE AND PREP FOR REUSE AT NEW LOCATION.
9. REMOVE EXISTING GRANITE PANEL AND SALVAGE AND PREP FOR REUSE. CUT AS REQUIRED FOR NEW WORK INSTALLATION.
10. REMOVE EXISTING WINDOW GUARDS.
11. REMOVE EXISTING DEDICATION PLAQUE. SALVAGE AND PREP FOR REINSTALLATION.
12. NOT USED
13. HATCHED AREAS INDICATES EXTENTS OF EXISTING TERRAZZO FLOORING TO BE REMOVED, DOWN TO EXISTING CONCRETE SLAB. METAL CONTROL STRIP @ VESTIBULE DOORS TO REMAIN. CONTRACTOR TO SALVAGE AND PREP FOR REUSE.
14. REMOVE EXISTING CONCRETE GRADE BEAMS.
15. REMOVE EXISTING WINDOW-MOUNTED AIR CONDITIONING UNIT AND RETURN TO SCHOOL.
16. EXISTING RADIATOR AND RADIATOR SURROUND TO REMAIN.
17. REMOVE EXISTING STAINLESS STEEL FASCIA AT CANOPY, REFER TO 9/A901.

NOTE:
ALL EXISTING DIMENSIONS SHALL BE V.I.F.

FID JOB# 1311-14
NUMBER OF DRAWINGS
SUBMITTED
APPLICANT / CERTIFIER SEAL & SIGNATURE
SUBMITTED WITH SELF CERTIFICATION OF OBJECTIONS AS PER DEPARTMENT OF BUILDING TECHNICAL PPN# 1/01
DATE CERTIFIED

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Architecture & Engineering
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Consultants:
Stantec
Stantec Consulting Inc.
50 West 23rd Street, 8th Flr
New York, NY 10010-5205
Tel: 212.366.5600
Fax: 212.366.5629

GG ENGINEERING
220 East 23rd Street
Suite 307
New York, NY 10010
TEL (212) 947-1066
FAX (212) 868-4680
Consulting Engineers

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NOTE: Drawing may be printed at reduced scale

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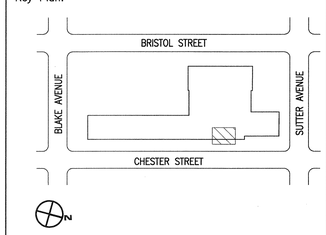
No.	Date	Revision

Key Plan:



Block # 3542 Lot # 1

SCA Design Manager:	CLEVELAND MORRISON, PE
Project Architect/Engineer:	ANNE MARIE EDDEN, R.A.
Discipline Lead:	SHIRIN BHAMRA, R.A.
Designer:	MICHAEL THOMPSON, R.A.
Drawn by:	MICHAEL THOMPSON, R.A.
Checked by:	ANNE MARIE EDDEN, R.A.

Design No:	Facility Code:	Date:
D016319	K263	04/22/2015

Project:
P.S/I.S.323@K263, BROOKLYN
FY14 RESO-A ACCESSIBILITY

Address:
210 CHESTER STREET
BROOKLYN, NY 11212

Drawing Title:
DEMOLITION PLAN & ELEVATION

Drawing No.:
D101.00

Sheets in Contract Set: 8 of 32

Sheets in DOB Set: 8 of 26

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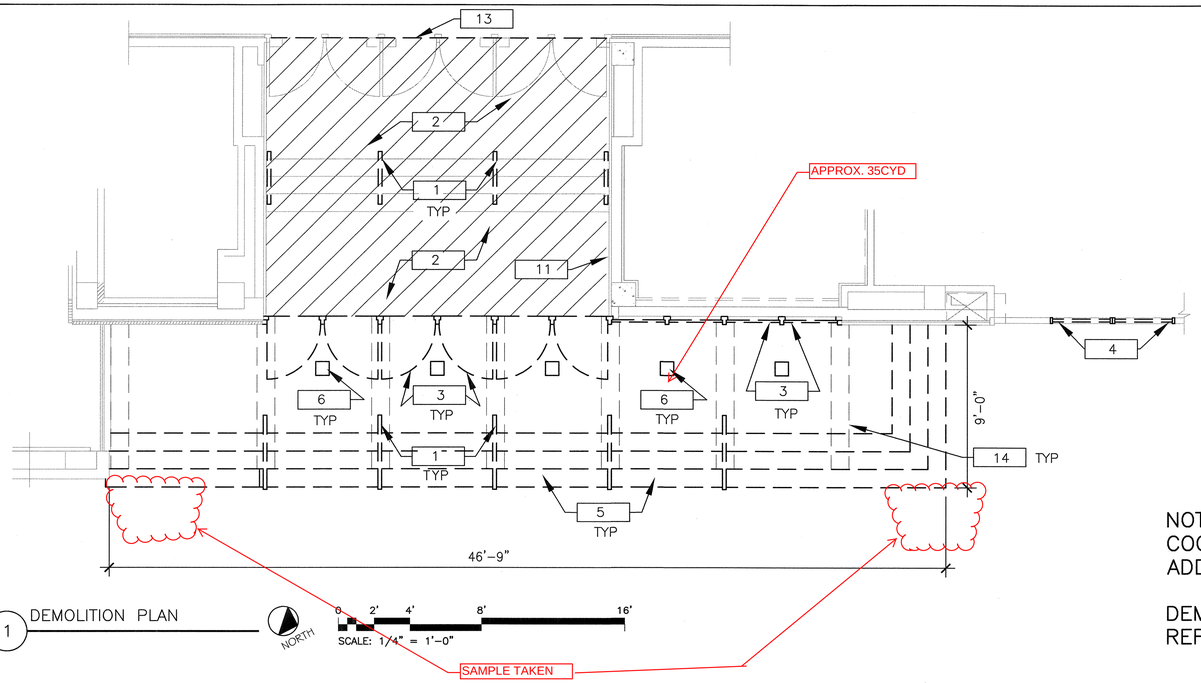
Figure 2- Waste Characterization Sampling Plan



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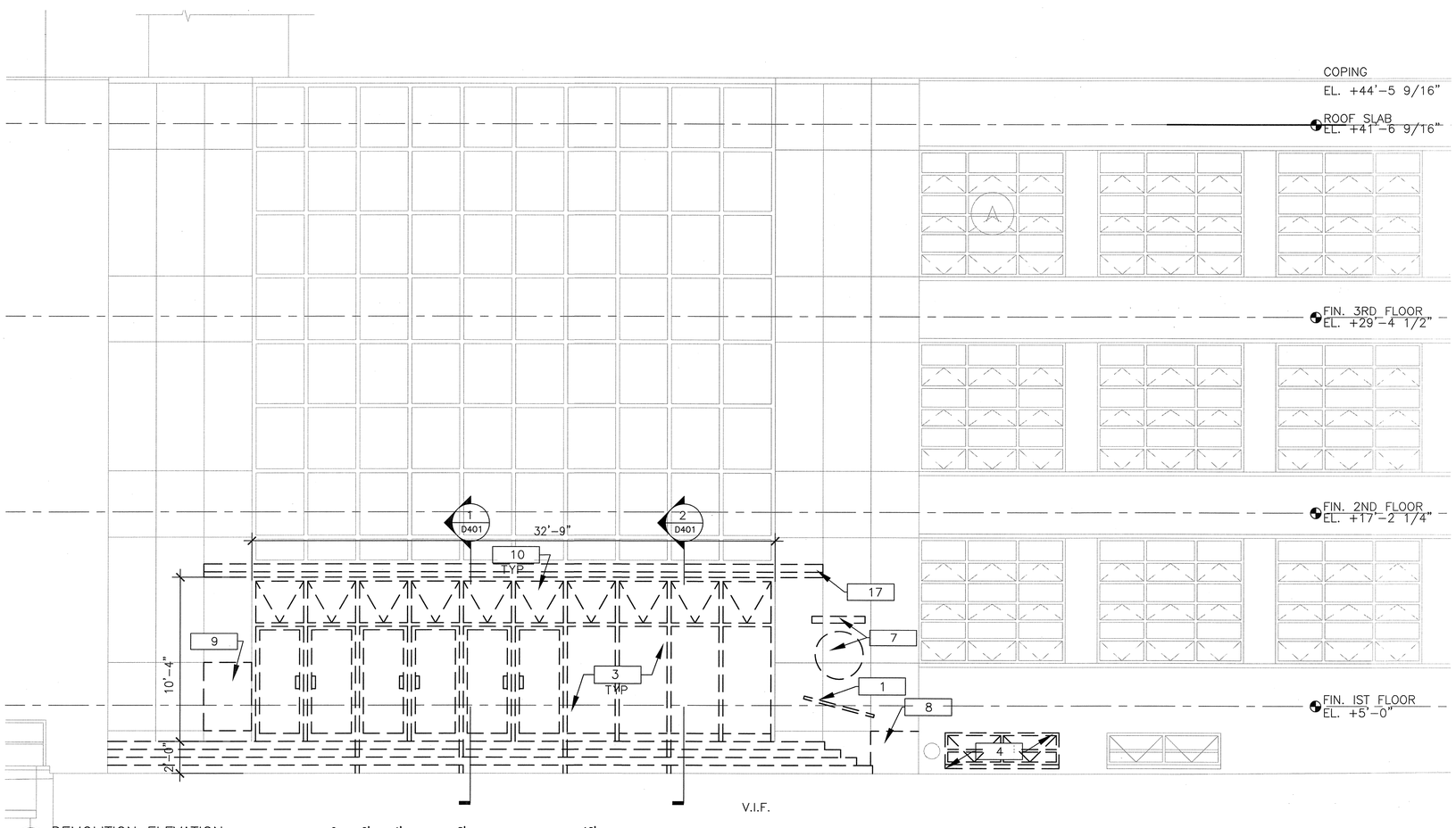

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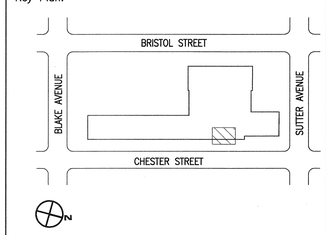

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Drawing No.:
D101.00

Sheets in Contract Set: 8 of 32

Sheets in DOB Set: 8 of 26

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Appendix A -Health and Safety Plan

EXCAVATION SAFETY

PURPOSE

To provide the requirements for work in and around excavation and trenching operations

REQUIREMENTS

1. The Occupational Safety and Health Act (OSHA) 1926. 650, 1926.651, 1926.652 and Subpart P; Appendixes A-F are the minimum Excavation and Trenching Standards for all excavations and trenches. The Excavation and Trenching Standards must be followed for all Contractors/Subcontractors.

2. Contractors/Subcontractors shall contact the Utility Company to determine the presence of hazardous critical pipelines.

3. Where activities create the potential to disturb underground utilities, the Contractor/Subcontractor shall contact New York One Call.

4. Reasonable efforts shall be made to eliminate the need to work over or near hazardous/critical pipelines. A hazardous/critical pipeline is one that either contains hazardous materials, e.g. chemicals, steam, or if it were to be damaged, would immediately effect the operation of the associated process. Should conditions exist, the foreman must contact the following people: the Area Manager, the Construction Coordinator, and/or the Health & Safety Professional, before the work is to begin. Once the actual work location has been evaluated, a permit for workers' mobile equipment near hazardous/critical pipelines shall be completed.

5. Items to consider when working over or near hazardous pipelines include, but may not be limited to, the following:

   a. Type of mobile equipment
   b. Pipeline contents
   c. Need to shut down and/or drain pipeline
   d. Need for protective structure over pipeline
   e. Size of pipeline
   f. Configuration of load
   g. Tag lines
   h. Need for protective equipment
   i. Swing radius of the boom counterweight
   j. Underground pipelines affected by setting up of the crane
   k. Precautions to take and contingency plan to follow if the line breaks
   l. A signalman to ensure maintenance of clearances
   m. Barricades and appropriate signs around the work area
   n. Locking and tagging valves

6. The foreman must review the approved equipment permit with the operator and others involved in the work.

Specific Requirments

1. A designated competent person shall be within the area where excavation activities are conducted. Competent person shall be as defined in the OSHA 1926.650-662 standards.

2. Before any excavation can be made, an Excavation Permit shall be completed by the foreman with input from the authorized person for underground testing (utility identification) and the excavation competent person.

3. All excavations shall be inspected by a competent person before entry:

   a. At the start of each shift
   b. After rain or snowfall
   c. After freezing and/or thawing temperatures occur
   d. After any condition that can change the integrity of the soil

4. During rainy weather, work in excavations shall be suspended until the competent person has evaluated the excavation and the effect the rain is having. The competent person shall maintain a regular inspection schedule during the rain, if employees continue to work in the excavation. Depending on the amount of rain falling, the duration of the rainfall, and the soil type; the competent person may need to maintain continuous observation of the excavation condition.

6. Excavations shall be evaluated for hazards in addition to cave-in potential. Electrical sources, energized (pressurized) pipes, underground tanks, etc. may present a hazard to employees who are required to enter the excavation.

7. The competent person responsible for the crew working in the excavation shall inspect the excavation throughout the work period and stop operations when unsafe conditions exist. The "Daily Excavation/Trench Inspection Report" shall be used to document the daily inspections

8. The number of workers in the excavation shall be limited to the number needed to perform the work.

9. Water shall not be allowed to accumulate in excavations at any time. Pumps, drains, or other means shall be used to remove water constantly.

Soil Classification and Stability

1. Soil classification shall be made by the competent person as defined by OSHA standards or a licensed professional engineer trained in soil classification. Unclassified soil shall be assumed to be Class C. All spoils shall be placed a minimum of 3 feet from the edge of the excavation. Loose soil or rocks shall be removed from the sides of excavation walls.
2. Stability of adjacent structures shall be evaluated before starting an excavation and monitored daily thereafter.
3. When mobile equipment is operated adjacent to an excavation, the equipment is required to approach the edge of an excavation, or/and the operator does not have a clear and direct view of the edge of the excavation; a warning system will be utilized. The warning system is barricades, hand/mechanical signals, or stop logs. If possible, the grade should be away from the excavation.

Ingress and Egress

1. Excavations 4 feet in depth or greater, shall have a stairway, ladder, ramp, or other safe means of egress within 25 feet of any employee. Ramps shall not be steeper than 2:1 slope.
2. Ladders, when used, shall extend a minimum of 36 inches above the excavation and be secured against displacement.
3. Only commercially manufactured or job made straight ladders may be used. All ladders in use shall meet the OSHA 1926.1050-1053 standards.

Air Quality and Testing

1. For all excavations 4 feet in depth or greater, the potential for a hazardous atmosphere shall be evaluated. If potential atmospheric hazards exist, then the atmosphere in the excavation shall be tested. This test will be performed by the Contractor/Subcontractor. Indications of the potential for a hazardous atmosphere include, but are not limited to: gas lines, sewer lines, proximity to emissions sources for H_2S, SO_2, CO, and other gases that are heavier than air.
2. Contractors/Subcontractors involved in excavation/trenching operations shall provide air monitoring equipment and have personnel trained in their use.
3. No personnel shall be allowed to enter an excavation or trench, if any of the following air quality conditions exist:

a.) Oxygen levels less than 19.5% or greater than 22.5%

b.) Combustible gases greater than 10% of the L.E.L.

c.) Carbon Monoxide (CO) readings greater than 35 ppm

d.) Hydrogen Sulfide (H_2S) readings greater than 10 ppm

e.) Any other airborne vapors or gases above the OSHA permissible Exposure Limit (PEL) for the particular substance.

TRAINING

The Contractor/Subcontractor shall instruct each employee, entering into an excavation or trench, in the recognition and avoidance of unsafe conditions and the regulations applicable to excavation and trenching operations.

1. Each employee who works in or around an excavation shall be trained to recognize potential hazards associated with excavations: cave-in potential, fall hazards, safe entry and exit, proximity to excavating equipment, air quality, back-filling and compacting activities, protective systems, etc.

2. Each individual assigned as an excavation competent person shall have documented training or shall have documentation of experience and qualifications in excavation activities.

NYCDOB Earthwork Notification Requirements

All contractors with permits to conduct earthwork (excavation) must notify the Buildings Department before work may begin. This document summarizes the notification requirements.

Notification Timing
Contractors must call (212) 227 – 4416 to notify the Department of the excavation's date and time. Notification must be given 24 to 48 hours before earthwork begins.

Cancellation Requirement
Contractors must notify the Department in advance if the excavation is cancelled. Notification must be no later than the day of the scheduled work and no earlier than 24 hours before the scheduled work date.

Audits
The Department will conduct random on-site excavations audits to inspect:
• Excavation Depth
• Pumping Operations
• Pile Driving Operations
• Sheeting/Shoring/Bracing
• Angle of Repose
• Forms Bracing
• Underpinning
• Ground Water
• Work as per Plan
• Evidence of Control Inspection
Department site monitoring does not relieve engineers and contractors of their professional responsibilities.

Failure to Notify
The Department will issue violations for Failure to Notify when contractors do not alert the Agency of excavations operations. If the work violates any applicable laws, rules or regulations, the Commissioner may issue a Stop Work Order for three days or longer.

TRENCH & EXCAVATION CHECKLIST

General Conditions and Inspection

1. Do you have an official "Competent Person" (a trained leader who oversees safety practices) who has specific training in soil analysis, use of protective systems, and the requirements of the Excavations and Trenches Safety Orders?
2. Does the "Competent Person" have the authority to remove workers from the excavation immediately?
3. Are excavations, adjacent areas, and protective systems inspected and conditions documented by a Competent Person: Daily prior to the start of work, throughout the shift, and after any occurrence that could increase the hazard?
4. Are employees protected from loose rock or soil that could pose a hazard by falling or rolling into the excavation?
5. Do all workers wear hardhats?
6. Are extra materials and equipment set back at least 2 feet from the edge of the excavation?
7. Are barriers provided to mark and protect all open excavations, wells, pits, and shafts?
8. Are walkways and bridges over excavations 6 feet or more high and 30 inches wide equipped with standard guardrails and toe boards?
9. Are warning vests or other highly visible clothing provided and worn by employees exposed to vehicular traffic?
10. Are employees required to stand away from vehicles being loaded or unloaded?
11. Are warning systems established and used when equipment is operating near the edge of an excavation?
12. Are employees prohibited from being under suspended loads?
13. Are employees prohibited from working on the faces of sloped or benched excavations above other employees?

Underground Utilities

1. Are utilities companies contacted and/or utilities located before digging as required by local, state, and federal law?
2. Are the exact locations clearly marked?
3. Are underground installations protected, supported, or removed when an excavation is open?

Entering and Exiting

1. Are ladders or other means of access and exit in place in all trenches 4 feet or more deep?
2. Are all workers within 25 feet of a means of access and exit?
3. Are the ladders that are used in excavations secured and extended 3 feet above edge of the excavation? (stepladders are not to be used)
4. Are ramps used by employees designed to have a 5:1 / 20% slope maximum?"
5. Are ramps, planks or walkways constructed of materials of uniform thickness, fastened together, equipped with no-slip surfaces?
6. Are employees protected from cave-ins when entering or exiting excavation?

Weather and Wet Conditions

1. Are precautions taken to protect employees from water accumulation?
2. Is water removal equipment monitored by "Competent Person?"
3. Is surface water or runoff diverted after rainstorms?

Protective Systems

1. Are protective systems chosen based upon soils analysis, trench depth and expected loads?
2. For excavations exceeding 20 feet in depth, has a Registered Professional Engineer designed the protective system?
3. Are materials and equipment that are used for protective systems inspected and in good condition?
4. Are damaged materials and equipment immediately removed from service?
5. Are damaged materials and equipment inspected by a Registered Professional Engineer after repairs are made and before being placed back in service?
6. Are protective systems installed without exposing employees to hazards of cave-ins, collapses, or threat of being struck by materials or equipment?
7. Are support systems provided to insure stability of adjacent structures, buildings, roadways, sidewalks, etc.?
8. Are excavations dug below the level of a base or footing supported, and have they been approved by a Registered Professional Engineer?

9. Does back-filling progress with the removal of the support system?
10. Is a shield system installed to prevent lateral movement?
11. Are employees prohibited from remaining in a shield system during vertical movement?

Appendix B -Waste Transporter Permits

Document No.

B 10033

CITY OF NEW YORK
BUSINESS INTEGRITY COMMISSION

100 CHURCH STREET, NEW YORK, NY 10007

The issuance and retention of this license or registration is contingent upon the licensee's or registrant's compliance with the laws of the State of New York and the City of New York, the rules, regulations, and orders of the Business Integrity Commission, and the rules, regulations and orders of all Federal, State, and City agencies, now in effect or hereafter enacted.

Type: **CL2 - Exempt**

BIC-3620

Issued: **2/12/2014** Expires: **12/31/2015**

Start Date: **1/1/2014** End-Date: **12/31/2015**

Entity Name: **BAZAT TRUCKING CORP.**

Trade-Name (D/B/A): _____

Principal Office: **319 BARRETTO STREET, BRONX, NY 10474-**

Principal Garage Office: **319 BARRETTO STREET, BRONX, NY 10474-**

Mailing Address: **P.O. BOX 740275, BRONX, NY 10474-**

Phone #: **718-294-1983**

Fax #: **718-861-6333**

Chair, Business Integrity Commission

NOT TRANSFERABLE

THIS LICENSE OR REGISTRATION MUST BE CONSPICUOUSLY DISPLAYED IN PRINCIPAL OFFICE

Appendix C- Disposal Facility Permits and Supporting Documentation (including a copy of the NYSDEC Part 360 Permit or equivalent out of state regulatory agency permit) and table

State of New Jersey

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Division of Solid & Hazardous Waste
Bureau of Recycling & Hazardous Waste Management
401 East State Street
P.O. Box 420, Mail Code 401-02C
Trenton, NJ 08625-0420
Tel (609) 984-3438 Fax (609) 777-1951
www.state.nj.us/dep/dshw/recycle

BOB MARTIN
Commissioner

RECYCLING CENTER GENERAL APPROVAL FOR CLASS B RECYCLABLE MATERIALS

Under the provisions of N.J.S.A. 13:1E-1 *et seq.* and N.J.S.A. 13:1E-99.11 *et seq.*, known as the Solid Waste Management Act and New Jersey Statewide Mandatory Source Separation and Recycling Act, respectively, and pursuant to N.J.A.C. 7:26A-1 *et seq.*, known as the Recycling Regulations, this approval is hereby issued to:

Clean Earth of Carteret, LLC

Facility Type:	Recycling Center for Class B Materials
Lot & Block No.:	3.02/1
Municipality:	Borough of Carteret
County:	Middlesex
Facility ID No.:	132310
Permit No.:	CBG150002

This General Approval is subject to compliance with all conditions specified herein and all regulations promulgated by the Department of Environmental Protection (Department).

This General Approval shall not prejudice any claim the State may have to riparian land nor does it allow the registrant to fill or alter, or allow to be filled or altered, in any way, lands that are deemed to be riparian, wetlands, stream encroachment or flood plains, or within the Coastal Area Facility Review Act (CAFRA) zone or are subject to the Pinelands Protection Act of 1979, nor shall it allow the discharge of pollutants to waters of this State without prior acquisition of the necessary grants, permits, or approvals from the Department of Environmental Protection.

May 20, 2015
Issuance Date

Guy Watson, Chief
Bureau of Recycling &
Hazardous Waste Management

March 7, 2017
Expiration Date

Scope of Approval

This General Approval (approval), along with the referenced application documents herein specified, shall constitute the sole approval of Recycling Center operations for Class B Recyclable Material (petroleum contaminated soil, street sweepings, brick, block, concrete, stone, rock, and asphalt) by Clean Earth of Carteret, LLC, located in the Borough of Carteret, Middlesex County, New Jersey. Any registration, approval or permit previously issued by the Division of Solid and Hazardous Waste, or its predecessor agencies, for the specific activities as described below and as conditioned herein, is hereby superseded.

Regulated Activities at the Facility

Items 1 through 39 of this approval contain the general conditions applicable to all recycling centers. Items 40 through 87 of this approval contain the operating requirements specific to the recycling center for receipt, storage, processing, or transfer of Class B recyclable materials including non-hazardous petroleum contaminated soils. Items 88 through 91 of this approval are the sampling requirements for testing the street sweepings. Items 92 through 99 of this approval contain the conditions for the aggregate crushing operations.

Facility Description

The recycling center is a Class B facility owned and operated by Clean Earth of Carteret, LLC. The recycling center is located at 24 Middlesex Avenue on Block 1, Lot 3.02, in Borough of Carteret, Middlesex County. This regional recycling center receives petroleum contaminated soil from soil remediation contractors and street sweepings from municipalities. The recycling center is authorized to receive, process and transfer brick, block, concrete, stone, rock, and asphalt from construction and demolition contractors, construction companies, municipalities, and counties. Hours of operation for the receipt, treatment/processioning and transferring source separated recyclable material can occur 24 hours per day, 7 days per week. The operation of the crusher shall be limited to: 7:00 a.m. to 7:00 p.m., Monday through Friday and Saturdays from 7:00 a.m. to 4:00 p.m.

The recycling center is also utilized for finished product storage and equipment storage as shown on the site plan. The recycling center markets clean soil and dense graded aggregate from the site.

The Department initiated this modification and is in response to Adjudicatory Hearing Request dated November 17, 2014 to contest certain portions of the final renewal of the Class B recycling center general approval issued on October 27, 2014 to the Clean Earth of Carteret, LLC ("CEC").

Approved General Approval Application and Associated Documents

The registrant shall construct and operate the facility in accordance with N.J.A.C. 7:26A-1 *et seq.*, the conditions of this Approval, and the following documents:

a) Site plan entitled "As-Built Site Map Clean Earth of Carteret, Carteret, Middlesex County, NJ", prepared by Bradley J. Cunningham, P.E. of Compliance Plus Services, Inc., dated May 9, 2014 and last revised August 11, 2014.

b) S.D.&G. Aggregates, Inc., Application for Recycling Center General Approval, prepared by AJV Engineering, signed by Angelo J. Valetutto, P.E., dated March 1 and Addendum dated April 17, 1996.

c) S.D.&G. Aggregates, Inc., Submission of Waterfront Development Permit, prepared by AJV Engineering, signed by Angelo J. Valetutto, P.E., dated September 3, 1996.

d) S.D.&G. Aggregates, Inc., Request for acceptance of street sweepings, signed by Michael Goebner, President, Carteret Biocycle Corporation, dated March 15, 2000.

e) Clean Earth of Carteret, Submittal of signed transfer agreement, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated May 22, 2003.

f) Plan SB-01 entitled "Unprocessed PHC Soil Storage Building Layout, Clean Earth of Carteret, LLC, Carteret, Middlesex County, New Jersey", prepared by Bradley J. Cunningham, P.E., of Compliance Plus Services, Inc., dated May 2, 2014.

g) Clean Earth of Carteret, Inc., Request to utilize cement kiln dust or lime as a drying agent to remove moisture from its treated soils, prepared and signed by Michael D. Logan, Vice President, Compliance Plus Services, dated December 27, 2006.

h) Addendum to Ground Lease (3rd Lease), dated December 19, 2008, submitted via cover letter by Compliance Plus Services, Inc.

i) Notification of Proposed Stock Purchase of Clean Earth Holdings, Inc. dated August 20, 2014 and prepared by Michael D. Logan, Vice President of Compliance Plus Services, Inc.

j) Class B Recycling Center General Permit Renewal and Modification Application for the Acceptance of Restricted Use Aggregate ("RUA") and Direct Reuse Soils ("DRS SOILS"), dated March 5, 2012, prerpared by Michael D. Logan, Vice President of Compliance Plus Services, Inc.

k) Class B Recycling Center General Approval Renewal Application, dated June 10, 2014, and prepared by Michael D. Logan, Vice President of Compliance Plus Services, Inc. This Renewal of the Application does not include any modification approval requested to the proposed acceptance and processing of Direct Reuse of Soils (DRS) and Restricted Reuse Aggregate (RUA) referenced in the Compliance Plus Services, Inc. letter dated March 5, 2012.

In case of conflict, the provisions of N.J.A.C. 7:26A-1 *et seq.* shall have precedence over the conditions of this Approval, and the conditions of this Approval shall have precedence over plans and specifications listed above.

Subject Item: PI 132310 -

1. All persons issued a general approval to operate a recycling center for Class B, Class C and/or Class D recyclable material pursuant to N.J.A.C. 7:26A-1 et seq. shall comply with all conditions of the approval [N.J.A.C. 7:26A-3.1(a)]
2. The holder of this general approval shall prominently post and maintain a legible sign, at or near the entrance to the recycling center, indicating that the recycling center is an approved New Jersey Department of Environmental Protection recycling center. The sign shall also indicate the following: Hours of operation of the recycling center; Listing of the source separated materials to be received; The size, weight, or other restrictions regarding materials to be received; The maximum amount of contaminants allowed in each load; Warning that loads will be inspected and will be barred from offloading if the contaminant level is exceeded; and Notice that the person offloading shall certify the amount of material per load, municipality of origin of the material and any other information contained on the Recyclable Material Receipt Form [N.J.A.C. 7:26A-3.5(f)]
3. Application for renewal of this general approval shall be submitted at least three months prior to expiration of the current approval and shall comply with all requirements for renewal set forth in N.J.A.C. 7:26A-3.6 et seq. One copy of the application for renewal of the general approval shall be submitted by the applicant to the municipal clerk of the municipality in which the recycling center is located, and to the solid waste or recycling coordinator of the county in which the recycling center is located [N.J.A.C. 7:26A-3.6(a)]
4. The applicant for renewal of this general approval shall certify in writing to the Department that there have been no changes in the operations of the recycling center since the issuance of the general approval in order to renew the approval in its existing form. In the event that there have been changes in the operations of the recycling center or where changes are planned, the application for renewal of a general approval shall be accompanied by a written request to modify the general approval in accordance with N.J.A.C. 7:26A-3.10 [N.J.A.C. 7:26A-3.6(b)]
5. In a case where the holder of this general approval does not comply with N.J.A.C. 7:26A-3.6(a) and (b) and continues to operate without renewal of the general approval, the Department may take enforcement action including the assessment of penalties under N.J.S.A. 13:1E-9; require the holder of this general approval to file an application as a new applicant for a general approval in accordance with N.J.A.C. 7:26A-3.2 and pay the application fee as per N.J.A.C. 7:26A-2; and/or take any other appropriate actions [N.J.A.C. 7:26A-3.6(c)]
6. All persons granted a renewal pursuant to N.J.A.C. 7:26A-3.6(d) shall continue to pay the annual fee as specified in N.J.A.C. 7:26A-2 [N.J.A.C. 7:26A-3.6(h)]
7. The holder of this general approval shall obtain prior approval from the Department for any modification of the general approval [N.J.A.C. 7:26A-3.10(a)]
8. Any change affecting the conditions of this general approval requires the prior approval of the Department [N.J.A.C. 7:26A-3.10(b)1]
9. Any change to the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18, 3.19 or 3.20 requires the prior approval of the Department, except that changes in end-market information submitted pursuant to N.J.A.C. 7:26A-3.2(a) 7 shall not require the prior approval of the Department but shall be handled in accordance with N.J.A.C. 7:26A-3.10(f). [N.J.A.C. 7:26A- 3.10(b)2]

Subject Item: PI 132310 -

10. The holder of this general approval shall notify the Department in writing of the intended modification and shall update the information submitted pursuant to N.J.A.C. 7:26A-3.2(a), 3.4, 3.8, 3.18, 3.19 or 3.20. The holder of this general approval shall also provide written notice to the solid waste or recycling coordinator of the applicable county of any request to modify a general approval. [N.J.A.C. 7:26A-3.10(c)]

11. The holder of this general approval shall not institute the modification until it receives written approval from the Department [N.J.A.C. 7:26A-3.10(e)]

12. Within one week of any change to the end-market information submitted to the Department pursuant to N.J.A.C. 7:26A-3.2(a)7, the holder of this general approval shall submit to the Department a written notification which details any change in the use of the recyclable material transferred from the recycling center to an end-market or in the end-market location to which the recyclable material is transferred. The written notification shall be sent to: New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste, Bureau of Recycling & Hazardous Waste Management, 401 East State Street, P.O. Box 420, Mail Code 401-02C, Trenton, New Jersey 08625-0420. [N.J.A.C. 7:26A- 3.10(f)]

13. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of N.J.S.A. 13:1E-1 et seq., the New Jersey Statewide Mandatory Source Separation and Recycling Act, or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 13:1E-1 et seq. and the New Jersey Statewide Mandatory Source Separation and Recycling Act [N.J.A.C. 7:26A-3.13(a)1]

14. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any solid waste utility law at N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq., or any rule, regulation or administrative order promulgated pursuant to N.J.S.A. 48:2-1 et seq. or 48:13A-1 et seq [N.J.A.C. 7:26A-3.13(a)2]

15. The Department may revoke this general approval upon a determination that the holder of the general approval has violated any provision of any laws related to pollution of the waters, air or land surfaces of the State or of any other State or Federal environmental laws including criminal laws related to environmental protection [N.J.A.C. 7:26A-3.13(a)3]

16. The Department may revoke this general approval upon a determination that the holder of the general approval has refused or failed to comply with any lawful order of the Department [N.J.A.C. 7:26A-3.13(a)4]

17. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to comply with any of the conditions of this general approval issued by the Department [N.J.A.C. 7:26A-3.13(a)5]

18. The Department may revoke this general approval upon a determination that the holder of the general approval has transferred a general approval to a new owner or operator pursuant to N.J.A.C. 7:26A-3.15 without the prior approval of the Department [N.J.A.C. 7:26A-3.13(a)6]

19. The Department may revoke this general approval upon a determination that the holder of the general approval has failed to obtain any required permit or approval from the Department or other State or Federal agency [N.J.A.C. 7:26A-3.13(a)7]

Subject Item: PI 132310 -

20. The Department may revoke this general approval upon a determination that the holder of the general approval has committed any of the acts which are criteria for denial of a general approval set forth in N.J.A.C. 7:26A-3.12. [N.J.A.C. 7:26A-3.13(a)8]

21. This general approval shall not be transferred to a new owner or operator without the Department's prior approval [N.J.A.C. 7:26A-3.15(a)]

22. A written request for permission to allow a transfer of this general approval must be received by the Department at least 60 days in advance of the proposed transfer of ownership or operational control of the recycling center. The request for approval shall include the following: the name, address and social security number of all prospective new owners or operators; a written certification by the proposed transferee that the terms and conditions contained in the general approval will be met by the proposed transferee; and a written agreement between the current owner or operator of the recycling center and the proposed new owner or operator containing a specific future date for transfer of ownership or operational control [N.J.A.C. 7:26A-3.15(a)1]

23. A new owner or operator may commence operations at the recycling center only after the existing approval has been revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)2]

24. The holder of this general approval remains liable for ensuring compliance with all conditions of the approval unless and until the existing approval is revoked and a new approval is issued to the new owner or operator pursuant to N.J.A.C. 7:26A-3.5 [N.J.A.C. 7:26A-3.15(a)3]

25. Compliance with the transfer requirements set forth at N.J.A.C. 7:26A-3.15 shall not relieve the holder of this general approval from the separate responsibility of providing notice of such transfer pursuant to the requirements of any other statutory or regulatory provision [N.J.A.C. 7:26A-3.15(a)4]

26. The transfer of a controlling interest in the stock or assets of the recycling center that is the subject of this general approval shall constitute a transfer of this general approval [N.J.A.C. 7:26A-3.15(b)]

27. The holder of this general approval shall maintain a daily record of the amounts of each recyclable material by type and municipality of origin which are received, stored, processed or transferred each day, expressed in tons, cubic yards, cubic feet or gallons. Those operators specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)1]

28. The holder of this general approval shall maintain a daily record of the name, address and telephone number of the end-markets for all recyclable materials transported from the recycling center, including the amounts, in tons, cubic yards, cubic feet or gallons, transported to each end-market. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons [N.J.A.C. 7:26A-3.17(a)2]

29. The holder of this general approval shall maintain a daily record of the amount of residue disposed of, expressed in tons, cubic yards, cubic feet or gallons, including the name and New Jersey Department of Environmental Protection solid waste registration number of the solid waste collector/hauler contracted to provide the haulage/disposal service. Those persons specifying the amount of residue in cubic yards shall also indicate the conversion ratio of the residue from cubic yards to tons. [N.J.A.C. 7:26A-3.17(a)3]

Subject Item: PI 132310 -

30. The holder of this general approval shall retain all Recyclable Material Receipt Forms required pursuant to N.J.A.C. 7:26A-3.2(a)16iii for three calendar years following the calendar year for which an annual report is required pursuant to N.J.A.C. 7:26A-3.17(c) [N.J.A.C. 7:26A-3.17(b)]

31. The holder of this general approval shall submit an annual report containing monthly summary statements of the information required pursuant to N.J.A.C. 7:26A-3.17(a) to the New Jersey Department of Environmental Protection, Division of Solid and Hazardous Waste Management, on or before March 1 of each year, for the previous calendar year. The summaries shall include the following: monthly totals of the amount of recyclable material received from each customer by municipality of origin; monthly totals of the amount of recyclable product transferred to each end-market; and the amount of residue disposed of during each month. [N.J.A.C. 7:26A- 3.17(c)]

32. The holder of this general approval shall certify in writing to the Department that all residue generated at the recycling center has been disposed of in accordance with the solid waste management rules at N.J.A.C. 7:26. The certification shall be submitted annually as part of the annual report [N.J.A.C. 7:26A-3.17(e)]

33. All information submitted to the Department pursuant N.J.A.C. 7:26A shall be handled in accordance with the requirements of the Public Records law, N.J.S.A. 47:1-1 et seq. The Department will hold confidential all end-market information, as well as information pertaining to the municipality of origin of recyclable material, submitted pursuant to N.J.A.C 7:26A-3.2, 3.7, and 3.17 through 3.20 for a period of two years from the date on which the information is submitted to the Department, where specified as confidential by the applicant and where there are no health, safety or environmental concerns which require the release of the information, as determined by the Department. [N.J.A.C. 7:26A-3.17(f)]

34. The holder of this general approval shall provide a recycling tonnage report by March 1 of each year to all municipalities from which recyclable material is received in the previous calendar year. The report shall detail the amount of each source separated recyclable material, expressed in tons or cubic yards, brought to the recycling center, as well as the date on which the recyclable materials were delivered to the recycling center. Those persons specifying this information in cubic yards shall also indicate the conversion ratio of the materials from cubic yards to tons. [N.J.A.C. 7:26A-4.4(a)]

35. The recycling center shall not commence operations unless and until it is included in the applicable district solid waste management plan [N.J.A.C. 7:26A-4.2]

36. The construction of the recycling center that is the subject of this general approval shall be in conformance with the New Jersey Uniform Construction Code, N.J.S.A. 52:27D-119 et seq., and the rules promulgated pursuant thereto [N.J.A.C. 7:26A-4.1(b)]

37. The New Jersey Department of Environmental Protection or an authorized representative acting pursuant to the County Environmental Health Act, N.J.S.A. 26:3A2-1 et seq. shall have the right to enter and inspect any building or other portion of the recycling center at any time in order to determine compliance with the provisions of all applicable laws or rules and regulations adopted pursuant thereto. This right to inspect includes, but is not limited to: sampling any materials on site; photographing any portion of the recycling center; investigating an actual or suspected source of pollution of the environment; and, ascertaining compliance or non-compliance with the statutes, rules or regulations of the Department, including conditions of the recycling center approval issued by the Department. [N.J.A.C. 7:26-1.7(a)]

Subject Item: PI 132310 -

38. The right of entry specified at N.J.A.C. 7:26A-1.7(a) shall be limited to normal operating hours for the purpose of reviewing and copying all applicable records, which shall be made available to the Department during an inspection and submitted to the Department upon request. [N.J.A.C. 7:26-1.7(b)]

39. The facility shall comply with the general operating requirements for all Recycling Centers as provided at N.J.A.C. 7:26A-4.1 [N.J.A.C. 7:26A-4]

Subject Item: RCBG139162 - General Class B & Soil Conditions

40. Recycling centers receiving petroleum contaminated soil must have a preparedness and prevention plan. The contingency plan contained in the approved documents must be maintained on-site and updated as necessary. [N.J.A.C. 7:26A- 3.5(e)]

41. Upon detection of a release of contaminants to the environment, the facility shall perform the following cleanup steps: stop the release, contain the released contaminants, clean up and manage properly the released contaminants and other materials and if necessary, repair or replace any leaking soil containment systems prior to returning them to service. [N.J.A.C. 7:26A-3.5(e)]

42. Upon closure of the facility the owner or operator shall remove or decontaminate petroleum contaminated soils, containment system components, and structures and equipment and manage them as hazardous waste, unless the materials are not hazardous waste under NJAC 7:26G-5. [N.J.A.C. 7:26A-3.5(e)]

43. All equipment and portions of the facility designated for the storage or processing of petroleum contaminated soils shall be visually inspected each operating day for integrity and leaks. [N.J.A.C. 7:26A-3.5(e)]

44. Records shall be maintained for all visual inspections. These records shall document that inspections were performed, any problems found, and the subsequent correction of such problems. All records shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

45. The facility shall keep a record of each shipment of petroleum contaminated soil accepted for processing. These records may take the form of a log, invoice, manifest, bill of lading or other shipping documents. All tracking records shall be maintained by the holder of this general approval as required by N.J.A.C. 7:26A-3.2(a) 16iii for three calendar years.

    Records for each shipment shall include the following information: the name and address of the transporter who delivered the soil to the facility, the name and address of the generator from whom the soil was sent, the NJDEP registration number of the transporter, EPA ID number (if applicable) of the generator, the quantity of soil accepted and the date of acceptance.

    Prior to the receipt of a shipment of soil from a generation source, the holder of this approval shall have received a completed Clean Earth of Carteret Material Characterization Report, as referenced in the approved General Approval Application, and associated documents for that shipment. The report shall include at least the following information: name and address of the generation site, contact information, quantity of soil, type of oil contaminating the soil, contamination source (i.e. underground storage tank, above ground storage tank, spill, histroic or other), past use of generation site (i.e. industrial, commercial, residential or historic fill), analytical results conducted on the soil and a certification that the information provided is true and accurate. The holder of this approval shall review the information provided to ensure the shipment complies with the facility's acceptance criteria for soil prior to authorizing acceptance of a shipment. [N.J.A.C. 7:26A- 3.5(e)]

46. The facility shall maintain on-site a written operating record showing analysis records, tracking records, and summary reports of incidents requiring implementation of the contingency plan. This information shall be made available to Department personnel upon request and shall be kept for a minimum of three years. [N.J.A.C. 7:26A-3.5(e)]

47. The following source separated Class B recyclable materials, which have been separated at the point of generation from other waste materials or separated at a permitted solid waste facility authorized to separate recyclable materials, may be received, stored, processed or transferred at this recycling center: NJDOT street sweepings (that meet NJ Non-Residential Direct Contact Soil Cleanup Criteria) and non-hazardous petroleum contaminated soils which otherwise would be ID 27 if not recycled. Only soil contaminated with the following compounds shall be accepted and processed at this facility: gasoline, kerosene, jet fuel, Numbers 1 through 6 fuel oil, and used oil. Used oil shall be defined as any oil that has been and as a result of such use, is contaminated by physical or chemical impurities. No soils may be accepted that have been contaminated with materials that are other waste materials, or waste by-products, such as sludges. No soils with free petroleum product or other liquids shall be accepted at the facility. For soils containing greater than 17,000 ppm EPH, the soil shall be determined not to contain free liquids by USEPA SW-846, Method 9095. No hazardous waste, as defined by N.J.A.C. 7:26G-5, shall be accepted by the facility. [N.J.A.C. 7:26A- 3.5(e)]

48. At no time shall the receipt, storage, processing, or transferring of non-source separated construction and demolition material be allowed at this recycling center. The prohibition of this material shall be strictly enforced and any incident shall be considered a serious violation to the conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

49. The recycling center may not receive, store, process, or transfer source separated petroleum contaminated soils and NJDOT street sweepings with any other Class B recyclable materials. The commingling of petroleum contaminated soil and NJDOT street sweepings shall only be allowed after the testing requirements identified in this approval have been met. The commingling of any other materials not described above is prohibited. [N.J.A.C. 7:26A-3.5(e)]

50. The maximum amount of contaminants, as defined in N.J.A.C. 7:26A-1.3, allowed in each incoming load of Class B recyclable material shall be limited to 1% by volume. Incidental by-product materials shall not be considered to be contaminants. [N.J.A.C. 7:26A-3.5(e)]

51. Incidental amounts of rebar, metal, soil, and other by-products which adhere to the Class B recyclable materials, as specified in this Approval, and which are returned to the economic mainstream as raw material or products, may be received, stored, processed, or transferred at this recycling center. The receipt of such incidental amounts of these materials need not be separately accounted for, but the storage and end-markets for these materials shall be subject to specific conditions of this Approval. [N.J.A.C. 7:26A-3.5(e)]

52. The holder of this general approval shall operate the recycling center and construct or install associated appurtenances thereto, in accordance with the provisions of N.J.A.C. 7:26A-1 et seq., the conditions of this general approval, and the general approval application documents. [N.J.A.C. 7:26A-3.5(e)]

53. In case of conflict, the conditions of this approval shall have precedence over the general approval application documents, and the most recent revisions and supplemental information approved by the Department shall prevail over prior submittals and designs. [N.J.A.C. 7:26A-3.5(e)]

54. One complete set of the general approval application documents, this general approval, and all records, reports and plans as may be required pursuant to this approval shall be kept on file at the recycling center and shall be available for inspection by authorized representatives of the Department or delegated agents upon presentation of credentials. [N.J.A.C. 7:26A-3.5(e)]

55. Hours of operation for the receipt, treatment/processing and transferring source separated petroleum contaminated soils and NJDOT street sweepings material can occur 24 hours per day, 7 days per week. [N.J.A.C. 7:26A- 3.5(e)]

56. Material deliveries to the recycling center shall be scheduled in such a manner as to minimize truck queuing on the recycling center property. Under no circumstances shall delivery trucks be allowed to back-up or queue onto public roads. [N.J.A.C. 7:26A-3.5(e)]

57. The recycling center may receive no more than 2,700 tons per day of petroleum contaminated soils and street sweepings. This condition is contingent upon the traffic on the public roads adjacent to the facility not being adversely affected. Should the traffic be impacted by the facility, the Department reserves the right to reduce the capacity of the facility. [N.J.A.C. 7:26A- 3.5(e)]

58. The total amount of unprocessed soil material stored in the "soil storage warehouse" shall not exceed 18,287 cubic yards. Materials stored in the "soil storage warehouse" shall be stored only in those areas designated for that purpose as indicated on the approved interior layout drawing. In addition "Area B" on the approved site plan may be used to temporarily store 15,000 cy of unprocessed soils until further processing in the "soil storage warehouse". The unprocessed soils in "Area B" will be segregated on an asphalt base with Jersey barriers and tarped during storage. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

59. If at any time, the amount of soil material stored inside the building exceeds 18,287 cubic yards and the temporary storage "Area B" exceeds 15,000 cubic yards, the recycling center shall immediately cease receiving any unprocessed soil material until the amount of unprocessed soil material combined fall below 33,287 cubic yards. [N.J.A.C. 7:26A- 3.5(e)]

60. Unprocessed recyclable material shall not remain on-site, in its unprocessed form, for more than one (1) year. [N.J.A.C. 7:26A-3.9(b)]

61. The total amount of processed soil materials stored outside shall not exceed 31,674 cubic yards. Processed material shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawings. [N.J.A.C. 7:26A-3.5(e)]

62. If at any time, the amount of processed soil material stored on-site exceeds 31,674 cubic yards, the recycling center shall immediately cease processing activities until the amount of processed material falls below 31,674 cubic yards. [N.J.A.C. 7:26A-3.5(e)]

63. All processed material shall be stored separately from residues. [N.J.A.C. 7:26A-3.5(e)]

64. Horizontal and vertical control points for the unprocessed and processed materials soil stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 18 feet above the existing grade for the stockpile areas located inside the building and 20 feet above the existing grade for the processed stockpile areas located outside. [N.J.A.C. 7:26A- 3.5(e)]

65. By-products shall be stored in the container(s) or area(s) as depicted on the approved site plan and shall be removed off-site to the end markets as referenced in the approved documents. [N.J.A.C. 7:26A-3.5(e)]

66. Metal pipe or metal rods or the equivalent as approved by the Department shall be used to establish these control points. [N.J.A.C. 7:26A-3.5(e)]

67. Ingress and egress of the facility shall be restricted to Middlesex Avenue only. [N.J.A.C. 7:26A-3.5(e)]

68. Methods of effectively controlling dust shall be implemented at the facility in order to prevent offsite migration. [N.J.A.C. 7:26A-3.5(e)]

69. Any suspected or prohibited hazardous waste, as defined at N.J.A.C. 7:26G-5, found in a load accepted at the recycling center shall not be returned to the generator. Such materials shall be segregated and stored in a secure manner and shall be immediately reported to the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. The owner/operator of the recycling center shall secure the name of the collector/hauler suspected of delivering such waste to the facility and related information surrounding the incident, if available, and shall make this information known to the Department's enforcement personnel. [N.J.A.C. 7:26A-3.5(e)]

70. Fire fighting and emergency procedures shall be posted, and shall include the telephone numbers of local fire, police, ambulance, and hospital facilities. If a fire occurs on-site, the facility shall immediately notify the local fire official and the N.J.D.E.P. Environmental Action Hotline at 1-877-927-6337. [N.J.A.C. 7:26A-3.5(e)]

71. All revisions to the site plan and the approved documents which may be required as a result of the above, shall be submitted to this office for modification to this Approval. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

72. Pursuant to N.J.A.C. 7:26A-3.11(a), the holder of this general approval shall obtain prior approval from the Department for any increase in the design capacity of the facility. The facility shall submit a request to the Department, in writing, for the proposed increase and shall submit updated information pursuant to the requirements of N.J.A.C. 7:26A-3.2(a), 3.4, or 3.8, as applicable. The facility shall also provide written notice of the request to the solid waste or recycling coordinator of the applicable district. [N.J.A.C. 7:26A-3.5(e)]

73. The sampling plan, collection, preservation, and handling for the sampling and analysis of unprocessed contaminated soil as required in this Approval must be performed in accordance with the New Jersey Technical Requirements for Site Remediation at N.J.A.C. 7:26E and the latest edition of the New Jersey Department of Environmental Protection, Field Sampling Procedures Manual. All analysis must be performed by a New Jersey certified laboratory. [N.J.A.C. 7:26A- 3.5(e)]

74. Petroleum contaminated soils shall be sampled either at the point of generation or at the recycling center. Soils from different generation sites shall be segregated at the facility until the sampling results are received. The sampling and analysis shall be implemented as follows: [N.J.A.C. 7:26A-3.5(e)]

75. All soils must be tested using the most current approved test methodology in accordance with USEPA SW-846. [N.J.A.C. 7:26A-3.5(e)]

76. Every 100 cubic yards of contaminated soil from each site shall be sampled and analyzed for TPH in the following manner: a representative sample from every 20 cubic yards of contaminated soil shall be taken and these five samples shall be composited into one sample and analyzed. When the volume of soil is less than 100 cubic yards, a representative sample of every 20 cubic yards, or a fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

77. Every 800 cubic yards of contaminated soil shall be sampled and analyzed for total volatile organic compounds (VOC), in the following manner: a representative sample from every 100 cubic yards of contaminated soil shall be taken and these samples shall be composited into one sample and analyzed. When the volume of soil is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

78. The sampling results shall be used to determine the maximum contaminant feed rate or maximum contaminant concentration for the processing equipment in accordance with the Air Quality Permit and shall also demonstrate that the material is non-hazardous for the above contaminants in accordance with N.J.A.C. 7:26G-8.5. The processing equipment at the facility uses bioremediation to process petroleum contaminated soils and achieve acceptable contaminent levels for reuse. [N.J.A.C. 7:26A- 3.5(e)]

79. Processed material end products, for uses other than as landfill cover material, Department approved Brownfields projects or road construction projects, shall be sampled and analyzed for total petroleum hydrocarbons (TPH), total volatile organic compounds (VOC), and all contaminants listed in the New Jersey Soil Cleanup Criteria (SCC). The sampling procedure shall be implemented as follows: Every 100 cubic yards of processed soil shall be sampled and analyzed for the above contaminants in the following manner: a representative sample from every 20 cubic yards of processed soil shall be taken and these five samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139162 - General Class B & Soil Conditions

80. Processed material end products to be used in road construction projects shall be sampled every 1,000 cubic yards for TPH and VOC in the following manner: a representative sample from every 100 cubic yards of processed soil shall be taken and the samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3.5(e)]

81. Other levels of testing may be allowed on a case-by-case basis as determined by use criteria in accordance with Department guidance and regulations. Applications for case-specific testing requirements must be made to the Bureau of Recycling & Hazardous Waste Management. [N.J.A.C. 7:26A- 3.5(e)]

82. Only approved criteria shall be used to determine the allowable end use of the processed material and the maximum allowable contamination levels for use. [N.J.A.C. 7:26A-3.5(e)]

83. The maximum allowable contamination levels for unrestricted general use are 200 ppm TPH and all individual organic contaminants less than or equal to 50% and inorganic contaminants less than or equal to 75% of the most stringent direct contact soil cleanup criteria (SCC). [N.J.A.C. 7:26A-3.5(e)]

84. The analytical requirements of the individual landfills shall be complied with for soils being used as landfill cover material. For soils being used as fill material in Brownfields projects, the requirements (including sampling frequency and analytical parameters) shall be approved by the individual Site Remediation Program case manager on a case-by-case basis. [N.J.A.C. 7:26A- 3.5(e)]

85. Other levels of contamination may be allowed on a case-by-case basis as determined by use criteria and levels of contamination in accordance with Department guidance and regulations. Certificates of Authority to operate beneficial use projects pursuant to N.J.A.C. 7:26-1.7(g) must be obtained before any use of the processed material end products. [N.J.A.C. 7:26A-3.5(e)]

86. Any processed material end products that do not meet the above criteria must be reintroduced to the treatment process for further treatment. After treatment, the processed material end products must be reanalyzed in accordance with the above criteria. [N.J.A.C. 7:26A-3.5(e)]

87. All analysis records must be kept for a minimum of three years and made available for inspection by state and local officials upon request. [N.J.A.C. 7:26A-3.5(e)]

Subject Item: RCBG139339 - Street Sweepings Sampling

88. Unprocessed street sweepings shall be sampled either at the point of generation or at the recycling center. Street sweepings from different generation sites shall be segregated at the facility until the sampling results are received. [N.J.A.C. 7:26A- 3]

89. Every 100 cubic yards of street sweepings from each site shall be sampled and analyzed for TPH in the following manner: a representative sample from every 20 cubic yards shall be taken and these five samples shall be composited into one sample and analyzed. When the volume is less than 100 cubic yards, a representative sample of every 20 cubic yards, or a fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3]

90. The sampling results shall be used to determine the maximum contaminant feed rate or maximum contaminant concentration for the processing equipment in accordance with the Air Quality Permit and shall also demonstrate that the material is non-hazardous for the above contaminants in accordance with N.J.A.C. 7:26G-5. [N.J.A.C. 7:26A-3]

Subject Item: RCBG139339 - Street Sweepings Sampling

91. Every 800 cubic yards of street sweepings shall be sampled and analyzed for total volatile organic compounds (VOC), in the following manner: a representative sample from every 100 cubic yards shall be taken and these samples shall be composited into one sample and analyzed. When the volume is less than 800 cubic yards, a representative sample of every 100 cubic yards, or fraction thereof, shall be taken and these samples shall be composited into one sample and analyzed. [N.J.A.C. 7:26A-3]

Subject Item: RCBG882032 - Final Phase Crushing Operations

92. The recycling center may receive no more than 2000 tons per day of source-separated asphalt, concrete, brick, block, rock, and stone. [N.J.A.C. 7:26A-3.5(e)]

93. Hours of operation for the receipt, processing and transferring source separated recyclable material can occur 24 hours per day, 7 days per week; the operation of the crusher shall be limited to: 7:00 a.m. to 7:00 p.m., Monday through Friday and Saturdays from 7:00 a.m. to 4:00 p.m. [N.J.A.C. 7:26A- 3.5(e)]

94. The following equipment or equivalent shall be available for site operations and shall be maintained in operable condition:

    A. Extec S-5 Screener

    B. Extec C-12 Jaw Crusher

    c. Extec Impactor or I-C13 Crushersite. [N.J.A.C. 7:26A-3.5(e)]

95. The total amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B). These unprocessed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A- 3.5(e)]

96. If at any time, the amount of unprocessed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B), the recycling center shall immediately cease receiving any unprocessed material until the amount of these unprocessed materials stored on-site falls below 36,580 cubic yards (8,800 cy in Area A & 27,780 cy in Area B). [N.J.A.C. 7:26A- 3.5(e)]

97. The total amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site shall not exceed 74,812 cubic yards (30,901 cy in Area C & 43,911 cy in Area D). These processed materials stored on-site shall be stored only in those areas designated for that purpose as indicated on the approved site plan drawing. [N.J.A.C. 7:26A- 3.5(e)]

98. If at any time, the amount of processed asphalt, concrete, brick, block, rock, and stone stored on-site exceeds 74,812 cubic yards (30,901 cy in Area C & 43,911 cy in Area D), the recycling center shall immediately cease processing activities until the amount of these processed materials falls below 74,812 cubic yards. [N.J.A.C. 7:26A- 3.5(e)]

Subject Item: RCBG882032 - Final Phase Crushing Operations

99. Horizontal and vertical control points for the unprocessed and processed materials stockpile areas shall be set and maintained on-site. Horizontal limitation markers shall be set at the corners of the stockpile areas as depicted on the approved site plan. Vertical limitation markers shall be set at locations in close proximity of the stockpile areas and shall clearly establish elevation height of 20 feet above the existing grade for the unprocessed stockpile area and 30 feet above the existing grade for the processed stockpile area. [N.J.A.C. 7:26A- 3.5(e)]

Appendix D-Soil Test Results

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

November 24, 2015

Sukhwinder Singh
Bagiana Construction Inc.
94-37 212th Street
Queens Village, NY 11428
TEL: (718) 479-1925
FAX

RE: IS-323, 210 Chester St, Brooklyn, NY Order No.: 1511114

Dear Sukhwinder Singh:

American Analytical Laboratories, LLC. received 1 sample(s) on 11/17/2015 for the analyses presented in the following report.

Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report. The results reported herein relate only to the items tested or to the samples as received by the laboratory. This report may not be reproduced, except in full, without the approval of American Analytical Laboratories, LLC and is not considered complete without a cover page and chain of custody documentation. The limits (LOQ) provided in the data package are analytical reporting limits and not Federal or Local mandated values to which the sample results should be compared.

There were no problems with the analyses and all data for associated QC met laboratory specifications. If there are any exceptions a Case Narrative is provided in the report or the data is qualified either on the sample results or in the QC section of the report. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal.

If you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer

Lori Beyer
Lab Director
American Analytical Laboratories, LLC.

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Workorder Sample Summary

WO#: **1511114**

24-Nov-15

CLIENT: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1511114-001A	Left Corner		11/16/2015 5:00:00 PM	11/17/2015 12:00:00 PM	Soil
1511114-001B	Left Corner		11/16/2015 5:00:00 PM	11/17/2015 12:00:00 PM	Soil

CHAIN OF CUSTODY

AMERICAN ANALYTICAL LABORATORIES

56 Toledo Street, Farmingdale NY 11735
(T) 631-454-6100 (F) 631-454-8027
www.american-analytical.com

CERTIFICATIONS
NY ELAP - 11418 PA DEP - 68-00573
NJ DEP - NY050 CT DOH - PH-0205

Client Information		Project Information	
Company Name	Bagiana construction inc.	Project Name	Is-323
Address	94-37 212th Street	Street	210 Chester Street
City / State / Zip	Queens Village, NY 11428	City / State / Zip	Brooklyn NY 11212
Project Contact	Sunny	Project #	D016319
Phone #	917-294-2700	Sampler's Name / Company	Bagiana construction
E-mail	Bagianainc@gmail.com	Sampler's Signature	

Analytical Information

LAB SAMPLE # (LAB USE ONLY)	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NONE	HCl	NaOH	HNO_3	H_2SO_4	$NaHSO_4$	MeOH	OTHER
1511114-001B															

Sample Collection / Sample Containers (Number of Each Preserved Bottle)

Turnaround Time (Business Days)

Standard
- [ ] 7-10 Business Days
- [ ] 5 Day *RUSH*
- [ ] 4 Day *RUSH*
- [ ] 3 Day *RUSH*
- [ ] 2 Day *RUSH*
- [ ] 1 Day *RUSH*

SAMPLE TYPE
G = Grab
C = Composite
B = Blank

MATRIX CODES
L = Liquid
S = Soil ✓
O = Oil
W = Wipe
PC = Paint Chip
SL = Sludge
SD = Solid
M = Miscellaneous

Comments / Remarks

Cooler Temp: 3.5°

Sample custody must be documented below, each time samples change possession, with a signature, date, and time.

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
			P Masi	11/17/15 12:00a	P Masi
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

Left Corner

American Analytical Laboratories, LLC.
56 Toledo Street
Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

Sample Log-In Check List

Client Name: **BAGIANA CONST** Work Order Number: **1511114** RcptNo: **1**

Logged by:	**Jenny Mullady**	**11/17/2015 12:00:00 PM**	Jennifer Mullady
Completed By:	**Lori Beyer**	**11/17/2015 1:35:51 PM**	Lori Beyer
Reviewed By:	**Lori Beyer**	**11/17/2015 1:37:01 PM**	Lori Beyer

Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? UPS
   Tracking No.: 1Z67WE480364028817

Log In

3. Coolers are present? Yes ☑ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☑ No ☐
   Custody seals intact on shipping container/cooler? Yes ☐ No ☐ Not Present ☑
   No. Seal Date: Signed By:
5. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
6. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
7. Sample(s) in proper container(s)? Yes ☑ No ☐
8. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
9. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
10. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
11. Is the headspace in the VOA vials less than 1/4 inch or 6 mm? Yes ☑ No ☐ No VOA Vials ☐
12. Were any sample containers received broken? Yes ☐ No ☑
13. Does paperwork match bottle labels? Yes ☑ No ☐
    (Note discrepancies on chain of custody)
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? Yes ☑ No ☐
    (If no, notify customer for authorization.)

Special Handling (if applicable)

17. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

18. Additional remarks:

Cooler Information

Cooler No	Temp ºC	Condition	Seal Intact	Seal No	Seal Date	Signed By

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Case Narrative

WO#: **1511114**
Date: **11/24/2015**

CLIENT: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY

Samples were analyzed using the methods outlined in the following references:

Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846 and additional methods as detailed throughout the text of the report. All method blanks, laboratory spikes, and/or matrix spikes met quality assurance objectives with exceptions notated in this Narrative discussion and/or in the QC Summary Section of the lab report with appropriate qualifiers. Additional quality control information such as surrogate recovery values for organic testing is provided as part of the analytical results. Batch MS/MSD results are provided in the QC section of the lab report unless the MS/MSD summary forms indicate one of your sample identifications. MS/MSD results relate only to the parent sample that was spiked.

Soil sample results analyzed for Volatile Organics via preparation method SW846 Method 5035A by the Low Level procedures potentially may be estimated, "J" (biased low) since the samples for this test were not collected according to the 5035A Method. Volatile LCS are analyzed with preservatives - HCL/NaHSO4/Methanol depending on level of analysis (high/low) similar to sample analysis. Outliers can be attributed to the presence of chemical preservatives. 2-Chloroethyl vinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Pesticide/PCB/Herbicide analysis are analyzed on two distinct columns. Once a target compound is qualitatively confirmed by detection on both columns and quantitation is determined to be >40% between the two columns, AAL's policy is to report the lower of the values as suggested by SW846 Method 8000C in cases where no interference exists. If in the professional judgment of the laboratory, the higher value must be utilized this is explained in the lab report.

The following parameters (if included in this report) are not offered by NY ELAP: VOA 8260 Soil; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Diisopropyl ether, Ethanol, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl Acetate, n-Butyl Acetate, n-Propyl Acetate. VOA 8260 Liquid; 1,2,4,5-Tetramethylbenzene, Chlorodifluoromethane, Freon-114, p-Diethylbenzene, p-Ethyltoluene, Isopropyl Acetate, n-Amyl acetate, n-Butyl Acetate, n-Propyl Acetate. Pesticides 8081 Soil; DBCP. Herbicides 8151 Soil; 3,5-Dichlorobenzoic Acid, 4-Nitrophenol, Acifluorfen, Bentazon, Chloramben, DCPA, Picloram .Lachat 10-107-6-1B Ammonia in Soil, SM 2540G Total Volatile Solids, Soil TKN, Soil Organic Nitrogen, Percent Moisture, pH in non-potable water and temperature at which pH is measured, SM 4500-SO3 B Sulfite in Liquid, Total Sulfur in Soil, Acid Soluble

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Case Narrative

WO#: **1511114**
Date: **11/24/2015**

CLIENT: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY

Chloride by ASTMC1152, Water Soluble Chloride by ASTMC1218, Chlorine Demand by SM 2350 B, Total Residual Chlorine in Liquid and Nitrate-Nitrite, Nitrogen in non-potable water and Reactivity to Sulfide and Reactivity to Cyanide.

The test results meet the requirements of the NYSDOH and NELAC standards, except where noted. The information contained in this analytical report is the sole property of American Analytical Laboratories, LLC. or the client for which this report was issued. The results contained in this report are only representative of the samples received. The sample receipt checklist is included as part of this lab report. Conditions can vary at different times and at different sampling conditions. American Analytical is not responsible for the use or interpretation of the data included herein.

Definitions:

Sample Result and QC Summary Qualifiers - Level I and Level II Reports
ND - Not detected at the reporting limit/Limit of Quantitation

B - The analyte was detected in the associated method blank. For volatiles, methylene chloride and acetone are common lab contaminants. Data users should consider anything <5x the blank value as artifact.

E - The value is above the quantitation range

D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.

J - The analyte was detected below the limit of quantitation but greater than the established Limit of Detection (LOD). There is greater uncertainty associated with these results and data should be considered as estimated.

U - The compound was analyzed for but not detected.

H - Holding time for preparation or analysis has been exceeded.

S - Spike recovery is outside accepted recovery limits.

R - RPD is outside accepted recovery range.

P - Secondary column exceeds 40% difference for GC test.

* - Calibration exceeds method requirement. Due to the large number of analytes for organic testing, the method allows 10% of analytes to have %RSD and/or %D to be >20%.

LOD - Limit of Detection; the lowest level the analyte can be determined to be statistically different from a blank.

LOQ - Limit of Quantitation; the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accurary.
m - Analyte was manually integrated for GC/MS.
+ - Concentration exceeds regulatory level for TCLP

American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
1,1,1,2-Tetrachloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,1,1-Trichloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,1,2,2-Tetrachloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethan	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,1,2-Trichloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,1-Dichloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,1-Dichloroethene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,1-Dichloropropene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2,3-Trichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2,3-Trichloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2,4-Trichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2,4-Trimethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2-Dibromo-3-chloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2-Dibromoethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2-Dichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2-Dichloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,2-Dichloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,3,5-Trimethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,3-Dichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,3-dichloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,4-Dichlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
1,4-Dioxane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
2,2-Dichloropropane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
2-Butanone	ND	5.4	11	U*	µg/Kg-dry	1	11/17/2015 7:05:00 PM
2-Chloroethyl vinyl ether	ND	1.1	5.4	U*	µg/Kg-dry	1	11/17/2015 7:05:00 PM
2-Chlorotoluene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
2-Hexanone	ND	5.4	11	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
2-Propanol	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
4-Chlorotoluene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
4-Isopropyltoluene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
4-Methyl-2-pentanone	ND	5.4	11	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Acetone	ND	5.4	11	U*	µg/Kg-dry	1	11/17/2015 7:05:00 PM

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American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
Benzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Bromobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Bromochloromethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Bromodichloromethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Bromoform	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Bromomethane	ND	1.1	5.4	U*	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Carbon disulfide	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Carbon tetrachloride	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Chlorobenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Chlorodifluoromethane	ND	1.1	5.4	U*	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Chloroethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Chloroform	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Chloromethane	ND	1.1	5.4	U*	µg/Kg-dry	1	11/17/2015 7:05:00 PM
cis-1,2-Dichloroethene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
cis-1,3-Dichloropropene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Cyclohexane	ND	2.2	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Dibromochloromethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Dibromomethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Dichlorodifluoromethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Diisopropyl ether	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Ethanol	ND	11	22	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Ethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Freon-114	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Hexachlorobutadiene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Isopropylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
m,p-Xylene	ND	2.2	11	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Methyl Acetate	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Methyl tert-butyl ether	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Methylene chloride	5.5	5.4	11	J*	µg/Kg-dry	1	11/17/2015 7:05:00 PM
n-Butylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
n-Propylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Naphthalene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
o-Xylene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM

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American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			**SW8260C**		**SW5035A**		Analyst: **LA**
p-Diethylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
p-Ethyltoluene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
sec-Butylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Styrene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
t-Butyl alcohol	ND	2.7	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
tert-Butylbenzene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Tetrachloroethene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Toluene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
trans-1,2-Dichloroethene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
trans-1,3-Dichloropropene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Trichloroethene	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Trichlorofluoromethane	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Vinyl acetate	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Vinyl chloride	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Acrolein	ND	14	27	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Acrylonitrile	ND	1.1	5.4	U	µg/Kg-dry	1	11/17/2015 7:05:00 PM
Surr: 4-Bromofluorobenzene	95.5	0	48-136		%Rec	1	11/17/2015 7:05:00 PM
Surr: Dibromofluoromethane	106	0	44-154		%Rec	1	11/17/2015 7:05:00 PM
Surr: Toluene-d8	102	0	58-141		%Rec	1	11/17/2015 7:05:00 PM

American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			**SW7471B**		**SW7471B**		Analyst: **JP**
Mercury	0.0856	00774	0.0145		mg/Kg-dry	1	11/18/2015 11:22:21 AM
HERBICIDES SW-846 8151			**SW8151A**		**SW8151A**		Analyst: **SB**
2,4,5-T	ND	1.1	3.3	U	µg/Kg-dry	1	11/23/2015 3:11:00 PM
2,4,5-TP	ND	1.1	3.3	U	µg/Kg-dry	1	11/23/2015 3:11:00 PM
2,4-D	ND	1.1	3.3	U	µg/Kg-dry	1	11/23/2015 3:11:00 PM
Dicamba	ND	1.1	3.3	U	µg/Kg-dry	1	11/23/2015 3:11:00 PM
Surr: 2,4-DCAA	70.0	0	15-153		%Rec	1	11/23/2015 3:11:00 PM
Surr: 2,4-DCAA	95.5	0	15-153		%Rec	1	11/23/2015 3:11:00 PM
PCB'S AS AROCLORS SW-846 METHOD 8082			**SW8082A**		**SW3546**		Analyst: **SB**
Aroclor 1016	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Aroclor 1221	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Aroclor 1232	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Aroclor 1242	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Aroclor 1248	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Aroclor 1254	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Aroclor 1260	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Aroclor 1262	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Aroclor 1268	ND	11	22	U	µg/Kg-dry	1	11/19/2015 2:46:00 PM
Surr: DCB	58.0	0	18-143		%Rec	1	11/19/2015 2:46:00 PM
Surr: DCB	59.5	0	18-143		%Rec	1	11/19/2015 2:46:00 PM
Surr: TCX	95.5	0	18-146		%Rec	1	11/19/2015 2:46:00 PM
Surr: TCX	90.5	0	18-146		%Rec	1	11/19/2015 2:46:00 PM
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
4,4´-DDD	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
4,4´-DDE	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
4,4´-DDT	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Aldrin	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
alpha-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
alpha-Chlordane	ND	6.5	11	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
beta-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Chlorobenzilate	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM

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American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			**SW8081B**		**SW3546**		Analyst: **SB**
DBCP	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
delta-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Dieldrin	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Endosulfan I	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Endosulfan II	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Endosulfan sulfate	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Endrin	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Endrin aldehyde	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Endrin ketone	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
gamma-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
gamma-Chlordane	ND	6.5	11	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Heptachlor	ND	2.2	3.3	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Heptachlor epoxide	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Hexachlorobenzene	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Hexachlorocyclopentadiene	ND	3.3	3.3	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Methoxychlor	ND	1.1	2.7	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Toxaphene	ND	14	27	U	µg/Kg-dry	1	11/19/2015 11:41:00 PM
Surr: DCB	103	0	16-148		%Rec	1	11/19/2015 11:41:00 PM
Surr: DCB	120	0	16-148		%Rec	1	11/19/2015 11:41:00 PM
Surr: TCX	82.1	0	19-145		%Rec	1	11/19/2015 11:41:00 PM
Surr: TCX	83.4	0	19-145		%Rec	1	11/19/2015 11:41:00 PM
PERCENT MOISTURE			**D2216**				Analyst: **KK**
Percent Moisture	8.51	0	1.00		wt%	1	11/19/2015 9:28:06 AM
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Aluminum	3420	0.0936	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Antimony	ND	0.187	0.468	U	mg/Kg-dry	1	11/18/2015 2:07:43 PM
Arsenic	4.91	0.187	0.468		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Barium	37.3	0.187	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Beryllium	ND	0.0936	0.374	U	mg/Kg-dry	1	11/18/2015 2:07:43 PM
Cadmium	0.369	0.0936	0.374	J	mg/Kg-dry	1	11/18/2015 2:07:43 PM
Calcium	678	0.187	0.468		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Chromium	7.84	0.0936	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM

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American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			**SW6010C**		**SW3050B**		Analyst: **JP**
Cobalt	ND	0.0936	0.374	U	mg/Kg-dry	1	11/18/2015 2:07:43 PM
Copper	14.6	0.0936	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Iron	11100	1.87	3.74	D	mg/Kg-dry	10	11/18/2015 3:07:09 PM
Lead	205	0.187	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Magnesium	1080	0.0936	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Manganese	164	0.0936	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Nickel	17.3	0.0936	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Potassium	560	0.187	0.468		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Selenium	ND	0.187	0.468	U	mg/Kg-dry	1	11/18/2015 2:07:43 PM
Silver	ND	0.0936	0.374	U	mg/Kg-dry	1	11/18/2015 2:07:43 PM
Sodium	51.0	0.187	0.468		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Thallium	0.320	0.281	0.468	J	mg/Kg-dry	1	11/18/2015 2:07:43 PM
Vanadium	16.3	0.0936	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
Zinc	122	0.0936	0.374		mg/Kg-dry	1	11/18/2015 2:07:43 PM
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Biphenyl	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
1,2,4-Trichlorobenzene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
1,2-Dichlorobenzene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
1,3-Dichlorobenzene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
1,4-Dichlorobenzene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2,4,5-Trichlorophenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2,4,6-Trichlorophenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2,4-Dichlorophenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2,4-Dimethylphenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2,4-Dinitrophenol	ND	54	540	U*	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2,4-Dinitrotoluene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2,6-Dinitrotoluene	ND	54	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2-Chloronaphthalene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2-Chlorophenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2-Methylnaphthalene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2-Methylphenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
2-Nitroaniline	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM

American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
2-Nitrophenol	ND	54	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
3+4-Methylphenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
3,3´-Dichlorobenzidine	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
3-Nitroaniline	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
4,6-Dinitro-2-methylphenol	ND	54	540	U*	µg/Kg-dry	1	11/19/2015 10:56:00 AM
4-Bromophenyl phenyl ether	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
4-Chloro-3-methylphenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
4-Chloroaniline	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
4-Chlorophenyl phenyl ether	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
4-Nitroaniline	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
4-Nitrophenol	ND	54	540	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Acenaphthene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Acenaphthylene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Acetophenone	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Aniline	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Anthracene	33	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Atrazine	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Azobenzene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzaldehyde	ND	54	540	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzidine	ND	54	540	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzo(a)anthracene	130	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzo(a)pyrene	100	27	160	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzo(b)fluoranthene	89	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzo(g,h,i)perylene	56	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzo(k)fluoranthene	110	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzoic acid	ND	54	540	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Benzyl alcohol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Bis(2-chloroethoxy)methane	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Bis(2-chloroethyl)ether	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Bis(2-chloroisopropyl)ether	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Bis(2-ethylhexyl)phthalate	34	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Butyl benzyl phthalate	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Caprolactam	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM

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American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			**SW8270D**		**SW3546**		Analyst: **MH**
Carbazole	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Chrysene	140	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Di-n-butyl phthalate	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Di-n-octyl phthalate	ND	54	540	U*	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Dibenzo(a,h)anthracene	ND	27	160	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Dibenzofuran	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Diethyl phthalate	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Dimethyl phthalate	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Fluoranthene	240	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Fluorene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Hexachlorobenzene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Hexachlorobutadiene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Hexachlorocyclopentadiene	ND	54	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Hexachloroethane	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Indeno(1,2,3-c,d)pyrene	65	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Isophorone	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
N-Nitrosodi-n-propylamine	ND	27	160	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
N-Nitrosodimethylamine	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
N-Nitrosodiphenylamine	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Naphthalene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Nitrobenzene	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Parathion	ND	54	540	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Pentachlorophenol	ND	54	540	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Phenanthrene	140	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Phenol	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Pyrene	270	27	270	J	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Pyridine	ND	27	270	U	µg/Kg-dry	1	11/19/2015 10:56:00 AM
Surr: 2,4,6-Tribromophenol	78.4	0	13-137		%Rec	1	11/19/2015 10:56:00 AM
Surr: 2-Fluorobiphenyl	78.6	0	15-128		%Rec	1	11/19/2015 10:56:00 AM
Surr: 2-Fluorophenol	84.6	0	18-120		%Rec	1	11/19/2015 10:56:00 AM
Surr: 4-Terphenyl-d14	112	0	10-138		%Rec	1	11/19/2015 10:56:00 AM
Surr: Nitrobenzene-d5	77.9	0	10-128		%Rec	1	11/19/2015 10:56:00 AM
Surr: Phenol-d6	76.1	0	10-122		%Rec	1	11/19/2015 10:56:00 AM

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American Analytical Laboratories, LLC.

Date: *24-Nov-15*

ELAP ID : 11418

CLIENT:	Bagiana Construction Inc.	**Client Sample ID:**	Left Corner
Lab Order:	1511114	**Collection Date:**	11/16/2015 5:00:00 PM
Project:	IS-323, 210 Chester St, Brooklyn, NY	**Matrix:**	SOIL
Lab ID:	1511114-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
CYANIDE, TOTAL			**SW9012B**		**SW9012B**		Analyst: **STP**
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.0547	0.109	U	mg/Kg-dry	1	11/19/2015 11:12:21 AM
TRIVALENT CHROMIUM			**SW6010C**				Analyst: **PAV**
Chromium, Trivalent	7.84	0.100	0.400		mg/Kg-dry	1	11/19/2015 9:21:32 AM
HEXAVALENT CHROMIUM			**SW7196A**		**SW3060A**		Analyst: **PAV**
Chromium, Hexavalent	ND	0.271	0.542	U	mg/Kg-dry	1	11/18/2015 2:00:00 PM

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **LCS-7216** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12419**

Client ID: **LCSS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	5.0	50.00	0	80.3	42	145				
1,1,2,2-Tetrachloroethane	37	5.0	50.00	0	73.9	44	138				
1,1,2-Trichloroethane	40	5.0	50.00	0	79.8	47	135				
1,1-Dichloroethane	36	5.0	50.00	0	72.8	41	134				
1,1-Dichloroethene	40	5.0	50.00	0	80.3	48	145				
1,2-Dichlorobenzene	41	5.0	50.00	0	81.1	39	124				
1,2-Dichloroethane	37	5.0	50.00	0	74.0	46	140				
1,2-Dichloropropane	38	5.0	50.00	0	76.7	50	124				
1,3-Dichlorobenzene	40	5.0	50.00	0	80.2	24	136				
1,4-Dichlorobenzene	41	5.0	50.00	0	81.0	23	128				
2-Chloroethyl vinyl ether	26	5.0	50.00	0	51.2	21	130				*
Benzene	38	5.0	50.00	0	76.0	47	133				
Bromodichloromethane	40	5.0	50.00	0	79.4	48	125				
Bromoform	46	5.0	50.00	0	91.9	27	140				
Bromomethane	32	5.0	50.00	0	63.1	20	153				*
Carbon tetrachloride	41	5.0	50.00	0	82.6	49	141				
Chlorobenzene	40	5.0	50.00	0	80.9	45	120				
Chloroethane	42	5.0	50.00	0	83.3	37	150				
Chloroform	38	5.0	50.00	0	76.9	43	136				
Chloromethane	36	5.0	50.00	0	71.8	27	146				*
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.6	47	128				
Dibromochloromethane	43	5.0	50.00	0	86.0	42	137				
Ethylbenzene	42	5.0	50.00	0	84.7	46	131				
Methylene chloride	19	10	50.00	0	38.5	20	120				*
Tetrachloroethene	41	5.0	50.00	0	82.4	33	120				
Toluene	43	5.0	50.00	0	86.0	50	130				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

Original

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **LCS-7216** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12419**

Client ID: **LCSS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232753**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	39	5.0	50.00	0	78.8	45	141				
trans-1,3-Dichloropropene	41	5.0	50.00	0	82.6	46	135				
Trichloroethene	43	5.0	50.00	0	85.6	46	129				
Trichlorofluoromethane	41	5.0	50.00	0	82.3	46	151				
Vinyl chloride	39	5.0	50.00	0	77.8	43	153				
Surr: 4-Bromofluorobenzene	51		50.00		101	48	136				
Surr: Dibromofluoromethane	50		50.00		99.7	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12419**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

Original

American Analytical Laboratories, LLC.
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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12419**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U*
2-Chloroethyl vinyl ether	ND	5.0									U*
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	ND	10									U*
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

Original

American Analytical Laboratories, LLC.
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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12419**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	5.0									U*
Carbon disulfide	ND	5.0									U
Carbon tetrachloride	ND	5.0									U
Chlorobenzene	ND	5.0									U
Chlorodifluoromethane	ND	5.0									U*
Chloroethane	ND	5.0									U
Chloroform	ND	5.0									U
Chloromethane	ND	5.0									U*
cis-1,2-Dichloroethene	ND	5.0									U
cis-1,3-Dichloropropene	ND	5.0									U
Cyclohexane	ND	5.0									U
Dibromochloromethane	ND	5.0									U
Dibromomethane	ND	5.0									U
Dichlorodifluoromethane	ND	5.0									U
Diisopropyl ether	ND	5.0									U
Ethanol	ND	20									U*
Ethylbenzene	ND	5.0									U
Freon-114	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Isopropylbenzene	ND	5.0									U
m,p-Xylene	ND	10									U
Methyl Acetate	ND	5.0									U
Methyl tert-butyl ether	ND	5.0									U
Methylene chloride	ND	10									U*
n-Butylbenzene	ND	5.0									U
n-Propylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12419**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232754**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	52		50.00		103	48	136				
Surr: Dibromofluoromethane	53		50.00		106	44	154				
Surr: Toluene-d8	50		50.00		101	58	141				

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **LCS-7216** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12423**

Client ID: **LCSS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232822**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	5.0	50.00	0	80.3	42	145				
1,1,2,2-Tetrachloroethane	37	5.0	50.00	0	73.9	44	138				
1,1,2-Trichloroethane	40	5.0	50.00	0	79.8	47	135				
1,1-Dichloroethane	36	5.0	50.00	0	72.8	41	134				
1,1-Dichloroethene	40	5.0	50.00	0	80.3	48	145				
1,2-Dichlorobenzene	41	5.0	50.00	0	81.1	39	124				
1,2-Dichloroethane	37	5.0	50.00	0	74.0	46	140				
1,2-Dichloropropane	38	5.0	50.00	0	76.7	50	124				
1,3-Dichlorobenzene	40	5.0	50.00	0	80.2	24	136				
1,4-Dichlorobenzene	41	5.0	50.00	0	81.0	23	128				
2-Chloroethyl vinyl ether	26	5.0	50.00	0	51.2	21	130				*
Benzene	38	5.0	50.00	0	76.0	47	133				
Bromodichloromethane	40	5.0	50.00	0	79.4	48	125				
Bromoform	46	5.0	50.00	0	91.9	27	140				
Bromomethane	32	5.0	50.00	0	63.1	20	153				*
Carbon tetrachloride	41	5.0	50.00	0	82.6	49	141				
Chlorobenzene	40	5.0	50.00	0	80.9	45	120				
Chloroethane	42	5.0	50.00	0	83.3	37	150				
Chloroform	38	5.0	50.00	0	76.9	43	136				
Chloromethane	36	5.0	50.00	0	71.8	27	146				*
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.6	47	128				
Dibromochloromethane	43	5.0	50.00	0	86.0	42	137				
Ethylbenzene	42	5.0	50.00	0	84.7	46	131				
Methylene chloride	19	10	50.00	0	38.5	20	120				*
Tetrachloroethene	41	5.0	50.00	0	82.4	33	120				
Toluene	43	5.0	50.00	0	86.0	50	130				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **LCS-7216** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12423**

Client ID: **LCSS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232822**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	39	5.0	50.00	0	78.8	45	141				
trans-1,3-Dichloropropene	41	5.0	50.00	0	82.6	46	135				
Trichloroethene	43	5.0	50.00	0	85.6	46	129				
Trichlorofluoromethane	41	5.0	50.00	0	82.3	46	151				
Vinyl chloride	39	5.0	50.00	0	77.8	43	153				
Surr: 4-Bromofluorobenzene	51		50.00		101	48	136				
Surr: Dibromofluoromethane	50		50.00		99.7	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12423**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12423**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U*
2-Chloroethyl vinyl ether	ND	5.0									U*
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	ND	10									U*
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12423**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	5.0									U*
Carbon disulfide	ND	5.0									U
Carbon tetrachloride	ND	5.0									U
Chlorobenzene	ND	5.0									U
Chlorodifluoromethane	ND	5.0									U*
Chloroethane	ND	5.0									U
Chloroform	ND	5.0									U
Chloromethane	ND	5.0									U*
cis-1,2-Dichloroethene	ND	5.0									U
cis-1,3-Dichloropropene	ND	5.0									U
Cyclohexane	ND	5.0									U
Dibromochloromethane	ND	5.0									U
Dibromomethane	ND	5.0									U
Dichlorodifluoromethane	ND	5.0									U
Diisopropyl ether	ND	5.0									U
Ethanol	ND	20									U
Ethylbenzene	ND	5.0									U
Freon-114	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Isopropylbenzene	ND	5.0									U
m,p-Xylene	ND	10									U
Methyl Acetate	ND	5.0									U
Methyl tert-butyl ether	ND	5.0									U
Methylene chloride	ND	10									U*
n-Butylbenzene	ND	5.0									U
n-Propylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12423**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232823**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	52		50.00		103	48	136				
Surr: Dibromofluoromethane	53		50.00		106	44	154				
Surr: Toluene-d8	50		50.00		101	58	141				

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

Original

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **LCS-7216** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12425**

Client ID: **LCSS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232837**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	5.0	50.00	0	80.3	42	145				
1,1,2,2-Tetrachloroethane	37	5.0	50.00	0	73.9	44	138				
1,1,2-Trichloroethane	40	5.0	50.00	0	79.8	47	135				
1,1-Dichloroethane	36	5.0	50.00	0	72.8	41	134				
1,1-Dichloroethene	40	5.0	50.00	0	80.3	48	145				
1,2-Dichlorobenzene	41	5.0	50.00	0	81.1	39	124				
1,2-Dichloroethane	37	5.0	50.00	0	74.0	46	140				
1,2-Dichloropropane	38	5.0	50.00	0	76.7	50	124				
1,3-Dichlorobenzene	40	5.0	50.00	0	80.2	24	136				
1,4-Dichlorobenzene	41	5.0	50.00	0	81.0	23	128				
2-Chloroethyl vinyl ether	26	5.0	50.00	0	51.2	21	130				*
Benzene	38	5.0	50.00	0	76.0	47	133				
Bromodichloromethane	40	5.0	50.00	0	79.4	48	125				
Bromoform	46	5.0	50.00	0	91.9	27	140				
Bromomethane	32	5.0	50.00	0	63.1	20	153				*
Carbon tetrachloride	41	5.0	50.00	0	82.6	49	141				
Chlorobenzene	40	5.0	50.00	0	80.9	45	120				
Chloroethane	42	5.0	50.00	0	83.3	37	150				
Chloroform	38	5.0	50.00	0	76.9	43	136				
Chloromethane	36	5.0	50.00	0	71.8	27	146				*
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.6	47	128				
Dibromochloromethane	43	5.0	50.00	0	86.0	42	137				
Ethylbenzene	42	5.0	50.00	0	84.7	46	131				
Methylene chloride	19	10	50.00	0	38.5	20	120				*
Tetrachloroethene	41	5.0	50.00	0	82.4	33	120				
Toluene	43	5.0	50.00	0	86.0	50	130				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **LCS-7216** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12425**

Client ID: **LCSS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232837**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	39	5.0	50.00	0	78.8	45	141				
trans-1,3-Dichloropropene	41	5.0	50.00	0	82.6	46	135				
Trichloroethene	43	5.0	50.00	0	85.6	46	129				
Trichlorofluoromethane	41	5.0	50.00	0	82.3	46	151				
Vinyl chloride	39	5.0	50.00	0	77.8	43	153				
Surr: 4-Bromofluorobenzene	51		50.00		101	48	136				
Surr: Dibromofluoromethane	50		50.00		99.7	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12425**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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Farmingdale, New York 11735
TEL: (631) 454-6100 FAX: (631) 454-8027
Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12425**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U*
2-Chloroethyl vinyl ether	ND	5.0									U*
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	ND	10									U*
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12425**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	5.0									U*
Carbon disulfide	ND	5.0									U
Carbon tetrachloride	ND	5.0									U
Chlorobenzene	ND	5.0									U
Chlorodifluoromethane	ND	5.0									U*
Chloroethane	ND	5.0									U
Chloroform	ND	5.0									U
Chloromethane	ND	5.0									U*
cis-1,2-Dichloroethene	ND	5.0									U
cis-1,3-Dichloropropene	ND	5.0									U
Cyclohexane	ND	5.0									U
Dibromochloromethane	ND	5.0									U
Dibromomethane	ND	5.0									U
Dichlorodifluoromethane	ND	5.0									U
Diisopropyl ether	ND	5.0									U
Ethanol	ND	20									U
Ethylbenzene	ND	5.0									U
Freon-114	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Isopropylbenzene	ND	5.0									U
m,p-Xylene	ND	10									U
Methyl Acetate	ND	5.0									U
Methyl tert-butyl ether	ND	5.0									U
Methylene chloride	ND	10									U*
n-Butylbenzene	ND	5.0									U
n-Propylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12425**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232838**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	52		50.00		103	48	136				
Surr: Dibromofluoromethane	53		50.00		106	44	154				
Surr: Toluene-d8	50		50.00		101	58	141				

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **LCS-7216** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12418**

Client ID: **LCSS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	40	5.0	50.00	0	80.3	42	145				
1,1,2,2-Tetrachloroethane	37	5.0	50.00	0	73.9	44	138				
1,1,2-Trichloroethane	40	5.0	50.00	0	79.8	47	135				
1,1-Dichloroethane	36	5.0	50.00	0	72.8	41	134				
1,1-Dichloroethene	40	5.0	50.00	0	80.3	48	145				
1,2-Dichlorobenzene	41	5.0	50.00	0	81.1	39	124				
1,2-Dichloroethane	37	5.0	50.00	0	74.0	46	140				
1,2-Dichloropropane	38	5.0	50.00	0	76.7	50	124				
1,3-Dichlorobenzene	40	5.0	50.00	0	80.2	24	136				
1,4-Dichlorobenzene	41	5.0	50.00	0	81.0	23	128				
2-Chloroethyl vinyl ether	26	5.0	50.00	0	51.2	21	130				*
Benzene	38	5.0	50.00	0	76.0	47	133				
Bromodichloromethane	40	5.0	50.00	0	79.4	48	125				
Bromoform	46	5.0	50.00	0	91.9	27	140				
Bromomethane	32	5.0	50.00	0	63.1	20	153				*
Carbon tetrachloride	41	5.0	50.00	0	82.6	49	141				
Chlorobenzene	40	5.0	50.00	0	80.9	45	120				
Chloroethane	42	5.0	50.00	0	83.3	37	150				
Chloroform	38	5.0	50.00	0	76.9	43	136				
Chloromethane	36	5.0	50.00	0	71.8	27	146				*
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.6	47	128				
Dibromochloromethane	43	5.0	50.00	0	86.0	42	137				
Ethylbenzene	42	5.0	50.00	0	84.7	46	131				
Methylene chloride	19	10	50.00	0	38.5	20	120				*
Tetrachloroethene	41	5.0	50.00	0	82.4	33	120				
Toluene	43	5.0	50.00	0	86.0	50	130				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **LCS-7216** SampType: **LCS** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12418**

Client ID: **LCSS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232743**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	39	5.0	50.00	0	78.8	45	141				
trans-1,3-Dichloropropene	41	5.0	50.00	0	82.6	46	135				
Trichloroethene	43	5.0	50.00	0	85.6	46	129				
Trichlorofluoromethane	41	5.0	50.00	0	82.3	46	151				
Vinyl chloride	39	5.0	50.00	0	77.8	43	153				
Surr: 4-Bromofluorobenzene	51		50.00		101	48	136				
Surr: Dibromofluoromethane	50		50.00		99.7	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12418**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	5.0									U
1,1,1-Trichloroethane	ND	5.0									U
1,1,2,2-Tetrachloroethane	ND	5.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	5.0									U
1,1,2-Trichloroethane	ND	5.0									U
1,1-Dichloroethane	ND	5.0									U
1,1-Dichloroethene	ND	5.0									U
1,1-Dichloropropene	ND	5.0									U
1,2,3-Trichlorobenzene	ND	5.0									U
1,2,3-Trichloropropane	ND	5.0									U
1,2,4,5-Tetramethylbenzene	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12418**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	5.0									U
1,2-Dibromo-3-chloropropane	ND	5.0									U
1,2-Dibromoethane	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,2-Dichloroethane	ND	5.0									U
1,2-Dichloropropane	ND	5.0									U
1,3,5-Trimethylbenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,3-dichloropropane	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
1,4-Dioxane	ND	5.0									U
2,2-Dichloropropane	ND	5.0									U
2-Butanone	ND	10									U*
2-Chloroethyl vinyl ether	ND	5.0									U*
2-Chlorotoluene	ND	5.0									U
2-Hexanone	ND	10									U
2-Propanol	ND	5.0									U
4-Chlorotoluene	ND	5.0									U
4-Isopropyltoluene	ND	5.0									U
4-Methyl-2-pentanone	ND	10									U
Acetone	ND	10									U*
Benzene	ND	5.0									U
Bromobenzene	ND	5.0									U
Bromochloromethane	ND	5.0									U
Bromodichloromethane	ND	5.0									U
Bromoform	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12418**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	5.0									U*
Carbon disulfide	ND	5.0									U
Carbon tetrachloride	ND	5.0									U
Chlorobenzene	ND	5.0									U
Chlorodifluoromethane	ND	5.0									U*
Chloroethane	ND	5.0									U
Chloroform	ND	5.0									U
Chloromethane	ND	5.0									U*
cis-1,2-Dichloroethene	ND	5.0									U
cis-1,3-Dichloropropene	ND	5.0									U
Cyclohexane	ND	5.0									U
Dibromochloromethane	ND	5.0									U
Dibromomethane	ND	5.0									U
Dichlorodifluoromethane	ND	5.0									U
Diisopropyl ether	ND	5.0									U
Ethanol	ND	20									U*
Ethylbenzene	ND	5.0									U
Freon-114	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Isopropylbenzene	ND	5.0									U
m,p-Xylene	ND	10									U
Methyl Acetate	ND	5.0									U
Methyl tert-butyl ether	ND	5.0									U
Methylene chloride	ND	10									U*
n-Butylbenzene	ND	5.0									U
n-Propylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7216**

Sample ID **MB-7216** SampType: **MBLK** TestCode: **8260_S** Units: **µg/Kg** Prep Date: **11/17/2015** RunNo: **12418**

Client ID: **PBS** Batch ID: **7216** TestNo: **SW8260C** **SW5035A** Analysis Date: **11/17/2015** SeqNo: **232744**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	5.0									U
o-Xylene	ND	5.0									U
p-Diethylbenzene	ND	5.0									U
p-Ethyltoluene	ND	5.0									U
sec-Butylbenzene	ND	5.0									U
Styrene	ND	5.0									U
t-Butyl alcohol	ND	5.0									U
tert-Butylbenzene	ND	5.0									U
Tetrachloroethene	ND	5.0									U
Toluene	ND	5.0									U
trans-1,2-Dichloroethene	ND	5.0									U
trans-1,3-Dichloropropene	ND	5.0									U
Trichloroethene	ND	5.0									U
Trichlorofluoromethane	ND	5.0									U
Vinyl acetate	ND	5.0									U
Vinyl chloride	ND	5.0									U
Acrolein	ND	25									U
Acrylonitrile	ND	5.0									U
Surr: 4-Bromofluorobenzene	52		50.00		103	48	136				
Surr: Dibromofluoromethane	53		50.00		106	44	154				
Surr: Toluene-d8	50		50.00		101	58	141				

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7236**

Sample ID **MBS111815A** SampType: **MBLK** TestCode: **ICPSCAN_S** Units: **mg/Kg** Prep Date: **11/18/2015** RunNo: **12402**

Client ID: **PBS** Batch ID: **7236** TestNo: **SW6010C** **SW3050B** Analysis Date: **11/18/2015** SeqNo: **232387**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.400									U
Antimony	ND	0.500									U
Arsenic	ND	0.500									U
Barium	ND	0.400									U
Beryllium	ND	0.400									U
Cadmium	ND	0.400									U
Calcium	ND	0.500									U
Chromium	ND	0.400									U
Cobalt	ND	0.400									U
Copper	ND	0.400									U
Iron	ND	0.400									U
Lead	ND	0.400									U
Magnesium	ND	0.400									U
Manganese	ND	0.400									U
Nickel	ND	0.400									U
Potassium	ND	0.500									U
Selenium	ND	0.500									U
Silver	ND	0.400									U
Sodium	ND	0.500									U
Thallium	ND	0.500									U
Vanadium	ND	0.400									U
Zinc	ND	0.400									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7236**

Sample ID **LCSS111815A** SampType: **LCS** TestCode: **ICPSCAN_S** Units: **mg/Kg** Prep Date: **11/18/2015** RunNo: **12402**

Client ID: **LCSS** Batch ID: **7236** TestNo: **SW6010C** **SW3050B** Analysis Date: **11/18/2015** SeqNo: **232390**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	39.1	0.400	40.00	0	97.7	80	120				
Antimony	40.3	0.500	40.00	0	101	80	120				
Arsenic	40.8	0.500	40.00	0	102	80	120				
Barium	38.7	0.400	40.00	0	96.7	80	120				
Beryllium	39.2	0.400	40.00	0	98.0	80	120				
Cadmium	40.3	0.400	40.00	0	101	80	120				
Calcium	39.9	0.500	40.00	0	99.7	80	120				
Chromium	40.4	0.400	40.00	0	101	80	120				
Cobalt	39.8	0.400	40.00	0	99.6	80	120				
Copper	39.6	0.400	40.00	0	99.0	80	120				
Iron	39.5	0.400	40.00	0	98.8	80	120				
Lead	40.5	0.400	40.00	0	101	80	120				
Magnesium	40.1	0.400	40.00	0	100	80	120				
Manganese	39.6	0.400	40.00	0	99.0	80	120				
Nickel	40.1	0.400	40.00	0	100	80	120				
Potassium	424	0.500	400.0	0	106	80	120				
Selenium	41.6	0.500	40.00	0	104	80	120				
Silver	39.6	0.400	40.00	0	99.0	80	120				
Sodium	41.7	0.500	40.00	0	104	80	120				
Thallium	39.7	0.500	40.00	0	99.2	80	120				
Vanadium	40.3	0.400	40.00	0	101	80	120				
Zinc	40.1	0.400	40.00	0	100	80	120				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7236**

Sample ID **1511105-006BMS** SampType: **MS** TestCode: **ICPSCAN_S** Units: **mg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12402**

Client ID: **BatchQC** Batch ID: **7236** TestNo: **SW6010C** **SW3050B** Analysis Date: **11/18/2015** SeqNo: **232397**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	21.8	0.541	21.66	1.501	93.9	75	125				
Barium	25.1	0.433	21.66	5.526	90.3	75	125				
Cadmium	19.7	0.433	21.66	0	90.8	75	125				
Chromium	21.1	0.433	21.66	1.007	93.0	75	125				
Lead	22.5	0.433	21.66	2.364	93.0	75	125				
Selenium	20.5	0.541	21.66	0	94.8	75	125				
Silver	18.5	0.433	21.66	0	85.5	75	125				

Sample ID **1511105-006BMSD** SampType: **MSD** TestCode: **ICPSCAN_S** Units: **mg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12402**

Client ID: **BatchQC** Batch ID: **7236** TestNo: **SW6010C** **SW3050B** Analysis Date: **11/18/2015** SeqNo: **232398**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	22.0	0.546	21.83	1.501	94.1	75	125	21.84	0.876	20	
Barium	24.8	0.437	21.83	5.526	88.3	75	125	25.07	1.12	20	
Cadmium	19.6	0.437	21.83	0	89.9	75	125	19.66	0.228	20	
Chromium	21.1	0.437	21.83	1.007	92.0	75	125	21.14	0.205	20	
Lead	22.5	0.437	21.83	2.364	92.2	75	125	22.50	0.00742	20	
Selenium	20.6	0.546	21.83	0	94.5	75	125	20.54	0.456	20	
Silver	18.3	0.437	21.83	0	84.0	75	125	18.53	1.07	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7238**

Sample ID **MBS111815A** SampType: **MBLK** TestCode: **HG_S** Units: **mg/Kg** Prep Date: **11/18/2015** RunNo: **12392**
Client ID: **PBS** Batch ID: **7238** TestNo: **SW7471B** **SW7471B** Analysis Date: **11/18/2015** SeqNo: **232090**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	ND	0.0150									U

Sample ID **LCSS111815A** SampType: **LCS** TestCode: **HG_S** Units: **mg/Kg** Prep Date: **11/18/2015** RunNo: **12392**
Client ID: **LCSS** Batch ID: **7238** TestNo: **SW7471B** **SW7471B** Analysis Date: **11/18/2015** SeqNo: **232091**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.203	0.0150	0.2000	0	102	80	120				

Sample ID **1511120-005AMS** SampType: **MS** TestCode: **HG_S** Units: **mg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12392**
Client ID: **BatchQC** Batch ID: **7238** TestNo: **SW7471B** **SW7471B** Analysis Date: **11/18/2015** SeqNo: **232106**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.333	0.0148	0.1974	0.1226	107	75	125				

Sample ID **1511120-005AMSD** SampType: **MSD** TestCode: **HG_S** Units: **mg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12392**
Client ID: **BatchQC** Batch ID: **7238** TestNo: **SW7471B** **SW7471B** Analysis Date: **11/18/2015** SeqNo: **232107**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.338	0.0152	0.2029	0.1226	106	75	125	0.3332	1.55	20	

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7244**

Sample ID **MB-7244** SampType: **MBLK** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12476**
Client ID: **PBS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233483**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	ND	250									U
Atrazine	ND	250									U
Benzaldehyde	ND	500									U
Benzidine	ND	500									U
Caprolactam	ND	250									U

Sample ID **LCS-7244** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12476**
Client ID: **LCSS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233484**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	1800	250	1986	0	89.6	15	129				
Atrazine	ND	250		0	0	44	138				U
Benzaldehyde	ND	500		0	0	22	142				U
Benzidine	1100	500	1986	0	55.6	1	120				
Caprolactam	ND	250		0	0	29	133				U

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12476**
Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	1900	270	2180	0	86.3	15	129				
Atrazine	ND	270		0	0	44	138				U
Benzaldehyde	ND	540		0	0	22	142				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12476**

Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233488**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine	910	540	2180	0	41.9	1	137				
Caprolactam	ND	270		0	0	20	130				U

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12476**

Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233489**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3´-Dichlorobenzidine	2200	270	2179	0	102	15	129	0	200	20	R
Atrazine	ND	270		0	0	44	138	0	0	20	U
Benzaldehyde	ND	540		0	0	22	142	0	0	20	U
Benzidine	1200	540	2179	0	53.7	1	137	0	200	20	R
Caprolactam	ND	270		0	0	20	130	0	0	20	U

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **MB-7244** SampType: **MBLK** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **PBS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233470**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	250									U
1,2,4-Trichlorobenzene	ND	250									U
1,2-Dichlorobenzene	ND	250									U
1,3-Dichlorobenzene	ND	250									U
1,4-Dichlorobenzene	ND	250									U
2,4,5-Trichlorophenol	ND	250									U
2,4,6-Trichlorophenol	ND	250									U
2,4-Dichlorophenol	ND	250									U
2,4-Dimethylphenol	ND	250									U
2,4-Dinitrophenol	ND	500									U*
2,4-Dinitrotoluene	ND	250									U
2,6-Dinitrotoluene	ND	250									U
2-Chloronaphthalene	ND	250									U
2-Chlorophenol	ND	250									U
2-Methylnaphthalene	ND	250									U
2-Methylphenol	ND	250									U
2-Nitroaniline	ND	250									U
2-Nitrophenol	ND	250									U
3+4-Methylphenol	ND	250									U
3-Nitroaniline	ND	250									U
4,6-Dinitro-2-methylphenol	ND	500									U*
4-Bromophenyl phenyl ether	ND	250									U
4-Chloro-3-methylphenol	ND	250									U
4-Chloroaniline	ND	250									U
4-Chlorophenyl phenyl ether	ND	250									U
4-Nitroaniline	ND	250									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **MB-7244** SampType: **MBLK** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **PBS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233470**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	500									U
Acenaphthene	ND	250									U
Acenaphthylene	ND	250									U
Acetophenone	ND	250									U
Aniline	ND	250									U
Anthracene	ND	250									U
Azobenzene	ND	250									U
Benzo(a)anthracene	ND	250									U
Benzo(a)pyrene	ND	150									U
Benzo(b)fluoranthene	ND	250									U
Benzo(g,h,i)perylene	ND	250									U
Benzo(k)fluoranthene	ND	250									U
Benzoic acid	ND	500									U
Benzyl alcohol	ND	250									U
Bis(2-chloroethoxy)methane	ND	250									U
Bis(2-chloroethyl)ether	ND	250									U
Bis(2-chloroisopropyl)ether	ND	250									U
Bis(2-ethylhexyl)phthalate	ND	250									U
Butyl benzyl phthalate	ND	250									U
Carbazole	ND	250									U
Chrysene	ND	250									U
Di-n-butyl phthalate	ND	250									U
Di-n-octyl phthalate	ND	500									U*
Dibenzo(a,h)anthracene	ND	150									U
Dibenzofuran	ND	250									U
Diethyl phthalate	ND	250									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **MB-7244** SampType: **MBLK** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **PBS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233470**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dimethyl phthalate	ND	250									U
Fluoranthene	ND	250									U
Fluorene	ND	250									U
Hexachlorobenzene	ND	250									U
Hexachlorobutadiene	ND	250									U
Hexachlorocyclopentadiene	ND	250									U
Hexachloroethane	ND	250									U
Indeno(1,2,3-c,d)pyrene	ND	250									U
Isophorone	ND	250									U
N-Nitrosodi-n-propylamine	ND	150									U
N-Nitrosodimethylamine	ND	250									U
N-Nitrosodiphenylamine	ND	250									U
Naphthalene	ND	250									U
Nitrobenzene	ND	250									U
Parathion	ND	500									U
Pentachlorophenol	ND	500									U
Phenanthrene	ND	250									U
Phenol	ND	250									U
Pyrene	ND	250									U
Pyridine	ND	250									U
Surr: 2,4,6-Tribromophenol	1500		2000		75.6	13	137				
Surr: 2-Fluorobiphenyl	770		1000		77.1	15	128				
Surr: 2-Fluorophenol	1700		2000		83.9	18	120				
Surr: 4-Terphenyl-d14	1100		1000		108	10	138				
Surr: Nitrobenzene-d5	770		1000		77.1	10	128				
Surr: Phenol-d6	1500		2000		74.0	10	122				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7244**

Sample ID **MB-7244** SampType: **MBLK** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12475**
Client ID: **PBS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233470**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID **LCS-7244** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12475**
Client ID: **LCSS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233471**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	1800	250	1986	0	91.5	37	135				
1,2,4-Trichlorobenzene	1800	250	1986	0	89.7	20	140				
1,2-Dichlorobenzene	1700	250	1986	0	87.6	26	134				
1,3-Dichlorobenzene	1700	250	1986	0	85.5	21	141				
1,4-Dichlorobenzene	1800	250	1986	0	88.5	24	143				
2,4,5-Trichlorophenol	ND	250		0	0	33	133				U
2,4,6-Trichlorophenol	1800	250	1986	0	92.2	28	146				
2,4-Dichlorophenol	1800	250	1986	0	92.3	27	142				
2,4-Dimethylphenol	1800	250	1986	0	90.9	15	138				
2,4-Dinitrophenol	77	500	1986	0	3.86	1	144				J*
2,4-Dinitrotoluene	2000	250	1986	0	101	23	153				
2,6-Dinitrotoluene	1900	250	1986	0	94.1	27	140				
2-Chloronaphthalene	1800	250	1986	0	89.9	28	147				
2-Chlorophenol	1900	250	1986	0	96.3	23	144				
2-Methylnaphthalene	ND	250		0	0	24	134				U
2-Methylphenol	ND	250		0	0	23	143				U
2-Nitroaniline	1900	250	1986	0	96.1	18	148				
2-Nitrophenol	2000	250	1986	0	99.2	11	147				
3+4-Methylphenol	ND	250		0	0	16	137				U
3-Nitroaniline	1900	250	1986	0	93.2	18	133				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **LCS-7244** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **LCSS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233471**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	730	500	1986	0	36.7	10	147				*
4-Bromophenyl phenyl ether	2000	250	1986	0	99.6	33	137				
4-Chloro-3-methylphenol	1900	250	1986	0	97.8	27	143				
4-Chloroaniline	1500	250	1986	0	76.4	10	112				
4-Chlorophenyl phenyl ether	1900	250	1986	0	97.4	34	135				
4-Nitroaniline	1300	250	1986	0	67.8	25	141				
4-Nitrophenol	1100	500	1986	0	54.5	9	150				
Acenaphthene	1800	250	1986	0	92.7	30	141				
Acenaphthylene	1800	250	1986	0	91.3	30	139				
Acetophenone	1700	250	1986	0	87.7	30	134				
Aniline	ND	250		0	0	10	100				U
Anthracene	1900	250	1986	0	95.6	32	141				
Azobenzene	ND	250		0	0	42	120				U
Benzo(a)anthracene	2100	250	1986	0	104	28	145				
Benzo(a)pyrene	2000	150	1986	0	99.8	25	144				
Benzo(b)fluoranthene	2000	250	1986	0	99.8	25	148				
Benzo(g,h,i)perylene	1900	250	1986	0	96.4	23	148				
Benzo(k)fluoranthene	2200	250	1986	0	110	27	144				
Benzoic acid	ND	500		0	0	1	149				U
Benzyl alcohol	1700	250	1986	0	87.0	21	141				
Bis(2-chloroethoxy)methane	1800	250	1986	0	90.1	24	147				
Bis(2-chloroethyl)ether	1900	250	1986	0	97.4	28	148				
Bis(2-chloroisopropyl)ether	1900	250	1986	0	97.0	22	147				
Bis(2-ethylhexyl)phthalate	2300	250	1986	0	118	26	156				
Butyl benzyl phthalate	2400	250	1986	0	123	30	149				
Carbazole	ND	250		0	0	29	146				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **LCS-7244** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **LCSS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233471**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	2000	250	1986	0	101	29	142				
Di-n-butyl phthalate	2000	250	1986	0	101	30	149				
Di-n-octyl phthalate	2500	500	1986	0	124	24	150				*
Dibenzo(a,h)anthracene	1900	150	1986	0	95.4	29	145				
Dibenzofuran	ND	250		0	0	30	145				U
Diethyl phthalate	2000	250	1986	0	100	33	148				
Dimethyl phthalate	1900	250	1986	0	97.4	28	153				
Fluoranthene	1800	250	1986	0	93.1	27	144				
Fluorene	1900	250	1986	0	95.2	29	140				
Hexachlorobenzene	1900	250	1986	0	97.6	24	149				
Hexachlorobutadiene	1800	250	1986	0	92.9	25	138				
Hexachlorocyclopentadiene	1500	250	1986	0	76.4	13	147				
Hexachloroethane	1800	250	1986	0	91.0	22	140				
Indeno(1,2,3-c,d)pyrene	1800	250	1986	0	90.1	25	155				
Isophorone	1800	250	1986	0	91.9	24	145				
N-Nitrosodi-n-propylamine	1800	150	1986	0	92.6	17	148				
N-Nitrosodimethylamine	1500	250	1986	0	76.0	13	147				
N-Nitrosodiphenylamine	1900	250	1986	0	93.6	23	139				
Naphthalene	1800	250	1986	0	89.2	23	146				
Nitrobenzene	1700	250	1986	0	87.9	21	146				
Parathion	1900	500	1986	0	94.6	22	154				
Pentachlorophenol	1100	500	1986	0	53.1	6	140				
Phenanthrene	1900	250	1986	0	96.6	30	147				
Phenol	1800	250	1986	0	89.6	17	151				
Pyrene	2300	250	1986	0	115	27	149				
Pyridine	ND	250		0	0	18	108				U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7244**

Sample ID **LCS-7244** SampType: **LCS** TestCode: **8270_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12475**
Client ID: **LCSS** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233471**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1800		1986		88.8	13	137				
Surr: 2-Fluorobiphenyl	820		993.0		83.0	15	128				
Surr: 2-Fluorophenol	1700		1986		86.2	18	120				
Surr: 4-Terphenyl-d14	1000		993.0		102	10	138				
Surr: Nitrobenzene-d5	780		993.0		78.7	10	128				
Surr: Phenol-d6	1600		1986		82.8	10	122				

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12475**
Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	1900	270	2180	0	87.5	20	147				
1,2,4-Trichlorobenzene	1900	270	2180	0	89.2	23	136				
1,2-Dichlorobenzene	1900	270	2180	0	89.1	17	137				
1,3-Dichlorobenzene	1800	270	2180	0	84.3	19	137				
1,4-Dichlorobenzene	1900	270	2180	0	87.7	17	139				
2,4,5-Trichlorophenol	ND	270		0	0	26	138				U
2,4,6-Trichlorophenol	2000	270	2180	0	91.6	21	143				
2,4-Dichlorophenol	2100	270	2180	0	96.7	20	144				
2,4-Dimethylphenol	2100	270	2180	0	97.7	24	139				
2,4-Dinitrophenol	580	540	2180	0	26.7	1	144				*
2,4-Dinitrotoluene	2400	270	2180	0	109	10	144				
2,6-Dinitrotoluene	2100	270	2180	0	98.5	12	125				
2-Chloronaphthalene	1900	270	2180	0	87.9	25	143				
2-Chlorophenol	2200	270	2180	0	101	19	144				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	ND	270		0	0	20	130				U
2-Methylphenol	ND	270		0	0	23	143				U
2-Nitroaniline	2200	270	2180	0	99.3	18	148				
2-Nitrophenol	2200	270	2180	0	101	11	147				
3+4-Methylphenol	ND	270		0	0	10	137				U
3-Nitroaniline	2000	270	2180	0	92.9	18	133				
4,6-Dinitro-2-methylphenol	1500	540	2180	0	67.1	10	147				*
4-Bromophenyl phenyl ether	2000	270	2180	0	93.0	29	139				
4-Chloro-3-methylphenol	2300	270	2180	0	108	25	139				
4-Chloroaniline	1600	270	2180	0	75.7	10	112				
4-Chlorophenyl phenyl ether	2200	270	2180	0	98.8	27	136				
4-Nitroaniline	1700	270	2180	0	78.3	23	130				
4-Nitrophenol	1300	540	2180	0	61.4	9	150				
Acenaphthene	2100	270	2180	0	95.0	28	133				
Acenaphthylene	2000	270	2180	0	91.8	22	147				
Acetophenone	2000	270	2180	0	92.8	20	135				
Aniline	ND	270		0	0	10	110				U
Anthracene	2100	270	2180	0	97.6	24	140				
Azobenzene	ND	270		0	0	20	151				U
Benzo(a)anthracene	2600	270	2180	0	119	20	144				
Benzo(a)pyrene	2500	160	2180	0	113	21	143				
Benzo(b)fluoranthene	2400	270	2180	0	109	20	145				
Benzo(g,h,i)perylene	2200	270	2180	0	101	20	143				
Benzo(k)fluoranthene	2400	270	2180	0	110	20	143				
Benzoic acid	ND	540		0	0	1	149				U
Benzyl alcohol	2000	270	2180	0	93.5	21	141				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	2000	270	2180	0	90.8	22	137				
Bis(2-chloroethyl)ether	2200	270	2180	0	100	20	143				
Bis(2-chloroisopropyl)ether	2200	270	2180	0	100	20	149				
Bis(2-ethylhexyl)phthalate	2900	270	2180	0	133	26	156				
Butyl benzyl phthalate	2900	270	2180	0	133	20	147				
Carbazole	70	270		0	0	29	146				J
Chrysene	2500	270	2180	0	116	22	142				
Di-n-butyl phthalate	2400	270	2180	0	109	27	145				
Di-n-octyl phthalate	3200	540	2180	0	148	24	150				*
Dibenzo(a,h)anthracene	2100	160	2180	0	96.8	23	142				
Dibenzofuran	55	270		0	0	21	133				J
Diethyl phthalate	2300	270	2180	0	104	19	136				
Dimethyl phthalate	2100	270	2180	0	98.0	20	137				
Fluoranthene	2900	270	2180	0	132	20	147				
Fluorene	2200	270	2180	0	100	20	138				
Hexachlorobenzene	2000	270	2180	0	93.7	20	140				
Hexachlorobutadiene	1900	270	2180	0	89.3	20	136				
Hexachlorocyclopentadiene	1300	270	2180	0	59.1	4	139				
Hexachloroethane	2000	270	2180	0	91.4	13	139				
Indeno(1,2,3-c,d)pyrene	2200	270	2180	0	103	26	144				
Isophorone	2000	270	2180	0	93.9	24	145				
N-Nitrosodi-n-propylamine	2100	160	2180	0	98.1	17	148				
N-Nitrosodimethylamine	1600	270	2180	0	73.3	13	147				
N-Nitrosodiphenylamine	1900	270	2180	0	87.7	16	143				
Naphthalene	2000	270	2180	0	92.0	13	143				
Nitrobenzene	1900	270	2180	0	88.7	20	138				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7244**

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12475**
Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233475**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Parathion	2400	540	2180	0	110	21	142				
Pentachlorophenol	840	540	2180	0	38.3	6	140				
Phenanthrene	2700	270	2180	0	122	21	140				
Phenol	2100	270	2180	0	96.2	13	143				
Pyrene	3200	270	2180	0	147	19	144				S
Pyridine	ND	270		0	0	17	120				U
Surr: 2,4,6-Tribromophenol	1900		2180		85.4	13	137				
Surr: 2-Fluorobiphenyl	870		1090		79.6	15	128				
Surr: 2-Fluorophenol	2000		2180		90.1	18	120				
Surr: 4-Terphenyl-d14	1100		1090		103	10	138				
Surr: Nitrobenzene-d5	880		1090		80.8	10	128				
Surr: Phenol-d6	1900		2180		87.9	10	122				

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12475**
Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	2200	270	2179	0	100	20	147	1908	13.7	20	
1,2,4-Trichlorobenzene	2200	270	2179	0	101	23	136	1944	12.3	20	
1,2-Dichlorobenzene	2100	270	2179	0	96.0	17	137	1942	7.45	20	
1,3-Dichlorobenzene	2000	270	2179	0	90.6	19	137	1837	7.17	20	
1,4-Dichlorobenzene	2100	270	2179	0	94.4	17	139	1911	7.28	20	
2,4,5-Trichlorophenol	ND	270		0	0	26	138	0	0	20	U
2,4,6-Trichlorophenol	2200	270	2179	0	103	21	143	1997	11.9	20	
2,4-Dichlorophenol	2400	270	2179	0	109	20	144	2108	11.8	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	2400	270	2179	0	108	24	139	2129	10.2	20	
2,4-Dinitrophenol	400	540	2179	0	18.5	1	144	581.7	36.0	20	JR*
2,4-Dinitrotoluene	2600	270	2179	0	120	10	144	2370	10.2	20	
2,6-Dinitrotoluene	2400	270	2179	0	111	12	125	2148	11.8	20	
2-Chloronaphthalene	2200	270	2179	0	100	25	143	1917	12.8	20	
2-Chlorophenol	2400	270	2179	0	110	19	144	2210	8.38	20	
2-Methylnaphthalene	31	270		0	0	20	130	0	200	20	JR
2-Methylphenol	ND	270		0	0	23	143	0	0	20	U
2-Nitroaniline	2500	270	2179	0	113	18	148	2166	12.6	20	
2-Nitrophenol	2500	270	2179	0	113	11	147	2212	10.5	20	
3+4-Methylphenol	ND	270		0	0	10	137	0	0	20	U
3-Nitroaniline	2400	270	2179	0	109	18	133	2026	15.7	20	
4,6-Dinitro-2-methylphenol	1400	540	2179	0	63.2	10	147	1463	6.04	20	*
4-Bromophenyl phenyl ether	2400	270	2179	0	109	29	139	2028	15.4	20	
4-Chloro-3-methylphenol	2600	270	2179	0	119	25	139	2346	10.0	20	
4-Chloroaniline	1900	270	2179	0	87.6	10	112	1649	14.6	20	
4-Chlorophenyl phenyl ether	2400	270	2179	0	111	27	136	2155	11.1	20	
4-Nitroaniline	1800	270	2179	0	83.8	23	130	1708	6.68	20	
4-Nitrophenol	1400	540	2179	0	64.8	9	150	1339	5.33	20	
Acenaphthene	2300	270	2179	0	105	28	133	2071	10.4	20	
Acenaphthylene	2300	270	2179	0	104	22	147	2001	12.0	20	
Acetophenone	2200	270	2179	0	101	20	135	2022	8.14	20	
Aniline	ND	270		0	0	10	110	0	0	20	U
Anthracene	2400	270	2179	0	111	24	140	2127	12.4	20	
Azobenzene	ND	270		0	0	20	151	0	0	20	U
Benzo(a)anthracene	2800	270	2179	0	129	20	144	2584	8.16	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	2600	160	2179	0	122	21	143	2454	7.65	20	
Benzo(b)fluoranthene	2800	270	2179	0	128	20	145	2387	15.7	20	
Benzo(g,h,i)perylene	2500	270	2179	0	116	20	143	2212	13.1	20	
Benzo(k)fluoranthene	2600	270	2179	0	118	20	143	2398	6.88	20	
Benzoic acid	ND	540		0	0	1	149	0	0	20	U
Benzyl alcohol	2200	270	2179	0	102	21	141	2039	8.50	20	
Bis(2-chloroethoxy)methane	2200	270	2179	0	103	22	137	1980	12.2	20	
Bis(2-chloroethyl)ether	2400	270	2179	0	109	20	143	2180	8.10	20	
Bis(2-chloroisopropyl)ether	2400	270	2179	0	109	20	149	2182	8.03	20	
Bis(2-ethylhexyl)phthalate	3300	270	2179	0	150	26	156	2890	12.4	20	
Butyl benzyl phthalate	3300	270	2179	0	151	20	147	2898	12.7	20	S
Carbazole	55	270		0	0	29	146	69.95	24.0	20	JR
Chrysene	2700	270	2179	0	124	22	142	2523	7.01	20	
Di-n-butyl phthalate	2700	270	2179	0	123	27	145	2371	12.2	20	
Di-n-octyl phthalate	3400	540	2179	0	156	24	150	3232	5.07	20	S*
Dibenzo(a,h)anthracene	2400	160	2179	0	112	23	142	2110	14.2	20	
Dibenzofuran	48	270		0	0	21	133	55.22	13.6	20	J
Diethyl phthalate	2500	270	2179	0	116	19	136	2257	11.6	20	
Dimethyl phthalate	2400	270	2179	0	109	20	137	2136	10.9	20	
Fluoranthene	2800	270	2179	0	128	20	147	2876	3.43	20	
Fluorene	2400	270	2179	0	111	20	138	2190	9.70	20	
Hexachlorobenzene	2400	270	2179	0	109	20	140	2042	14.7	20	
Hexachlorobutadiene	2200	270	2179	0	101	20	136	1947	12.6	20	
Hexachlorocyclopentadiene	1400	270	2179	0	63.0	4	139	1287	6.39	20	
Hexachloroethane	2200	270	2179	0	99.4	13	139	1992	8.35	20	
Indeno(1,2,3-c,d)pyrene	2500	270	2179	0	115	26	144	2241	11.0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7244**

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8270_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12475**

Client ID: **BatchQC** Batch ID: **7244** TestNo: **SW8270D** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233476**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isophorone	2300	270	2179	0	106	24	145	2048	11.7	20	
N-Nitrosodi-n-propylamine	2300	160	2179	0	107	17	148	2139	8.84	20	
N-Nitrosodimethylamine	1700	270	2179	0	79.3	13	147	1598	7.79	20	
N-Nitrosodiphenylamine	2200	270	2179	0	102	16	143	1912	15.3	20	
Naphthalene	2300	270	2179	0	104	13	143	2006	11.8	20	
Nitrobenzene	2200	270	2179	0	99.8	20	138	1933	11.8	20	
Parathion	2700	540	2179	0	123	21	142	2402	10.6	20	
Pentachlorophenol	890	540	2179	0	41.0	6	140	836.0	6.68	20	
Phenanthrene	2700	270	2179	0	126	21	140	2655	3.01	20	
Phenol	2300	270	2179	0	103	13	143	2097	7.26	20	
Pyrene	3300	270	2179	0	151	19	144	3207	2.68	20	S
Pyridine	ND	270		0	0	17	120	0	0	20	U
Surr: 2,4,6-Tribromophenol	2100		2179		95.2	13	137		0	20	
Surr: 2-Fluorobiphenyl	970		1089		89.0	15	128		0	20	
Surr: 2-Fluorophenol	2100		2179		95.6	18	120		0	20	
Surr: 4-Terphenyl-d14	1300		1089		117	10	138		0	20	
Surr: Nitrobenzene-d5	980		1089		89.6	10	128		0	20	
Surr: Phenol-d6	2100		2179		94.6	10	122		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7245**

Sample ID **LCS-7245** SampType: **LCS** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12490**

Client ID: **LCSS** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233579**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	20		0	0	23	140				U
Aroclor 1221	ND	20		0	0	30	130				U
Aroclor 1232	ND	20		0	0	30	140				U
Aroclor 1242	ND	20		0	0	20	140				U
Aroclor 1248	ND	20		0	0	35	135				U
Aroclor 1254	150	20	249.5	0	60.1	34	145				
Aroclor 1260	ND	20		0	0	21	135				U
Aroclor 1262	ND	20		0	0	30	130				U
Aroclor 1268	ND	20		0	0	35	135				U
Surr: DCB	17		24.95		70.0	18	143				
Surr: TCX	16		24.95		64.1	18	146				

Sample ID **MB-7245** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12490**

Client ID: **PBS** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	20									U
Aroclor 1221	ND	20									U
Aroclor 1232	ND	20									U
Aroclor 1242	ND	20									U
Aroclor 1248	ND	20									U
Aroclor 1254	ND	20									U
Aroclor 1260	ND	20									U
Aroclor 1262	ND	20									U
Aroclor 1268	ND	20									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7245**

Sample ID **MB-7245** SampType: **MBLK** TestCode: **8082_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12490**
Client ID: **PBS** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233580**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	19		24.86		76.1	18	143				
Surr: TCX	18		24.86		74.1	18	146				

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8082_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12490**
Client ID: **BatchQC** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233585**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	22		0	0	23	140				U
Aroclor 1221	ND	22		0	0	30	130				U
Aroclor 1232	ND	22		0	0	30	140				U
Aroclor 1242	ND	22		0	0	20	140				U
Aroclor 1248	ND	22		0	0	35	135				U
Aroclor 1254	270	22	272.5	0	98.7	34	145				
Aroclor 1260	ND	22		0	0	21	135				U
Aroclor 1262	ND	22		0	0	30	130				U
Aroclor 1268	ND	22		0	0	35	135				U
Surr: DCB	20		27.25		73.5	18	143				
Surr: TCX	19		27.25		68.9	18	146				

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12490**
Client ID: **BatchQC** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7245**

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8082_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12490**

Client ID: **BatchQC** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233586**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	22		0	0	23	140	0	0	20	U
Aroclor 1221	ND	22		0	0	30	130	0	0	20	U
Aroclor 1232	ND	22		0	0	30	140	0	0	20	U
Aroclor 1242	ND	22		0	0	20	140	0	0	20	U
Aroclor 1248	ND	22		0	0	35	135	0	0	20	U
Aroclor 1254	300	22	272.5	0	110	34	145	268.9	10.5	20	P
Aroclor 1260	ND	22		0	0	21	135	0	0	20	U
Aroclor 1262	ND	22		0	0	30	130	0	0	20	U
Aroclor 1268	ND	22		0	0	35	135	0	0	20	U
Surr: DCB	20		27.25		73.1	18	143		0	20	
Surr: TCX	20		27.25		73.4	18	146		0	20	

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**
24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7245**

Sample ID **LCS-7245** SampType: **LCS** TestCode: **8082_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12489**
Client ID: **LCSS** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233590**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	16		24.95		64.2	18	143				
Surr: TCX	15		24.95		61.9	18	146				

Sample ID **MB-7245** SampType: **MBLK** TestCode: **8082_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12489**
Client ID: **PBS** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233591**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	22		24.86		89.1	18	143				
Surr: TCX	19		24.86		76.3	18	146				

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8082_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12489**
Client ID: **BatchQC** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233596**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	24		27.25		88.6	18	143				
Surr: TCX	22		27.25		81.8	18	146				

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8082_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12489**
Client ID: **BatchQC** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	20		27.25		74.3	18	143		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7245**

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8082_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12489**
Client ID: **BatchQC** Batch ID: **7245** TestNo: **SW8082A** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233597**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX	19		27.25		69.4	18	146		0	20	

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7246**

Sample ID **LCS-7246** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12495**

Client ID: **LCSS** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	8.6	2.5	9.990	0	85.7	21	152				
4,4´-DDE	9.1	2.5	9.990	0	91.3	22	148				
4,4´-DDT	8.9	2.5	9.990	0	88.8	23	151				
Aldrin	9.2	2.5	9.990	0	92.5	29	150				
alpha-BHC	10	2.5	9.990	0	99.8	29	148				
alpha-Chlordane	9.5	10	9.990	0	95.5	29	153				J
beta-BHC	9.5	2.5	9.990	0	95.3	38	153				
Chlorobenzilate	ND	2.5		0	0	28	145				U
DBCP	ND	2.5		0	0	20	148				U
delta-BHC	9.3	2.5	9.990	0	93.5	31	152				
Dieldrin	9.5	2.5	9.990	0	94.8	32	146				
Endosulfan I	9.4	2.5	9.990	0	94.2	29	154				
Endosulfan II	9.2	2.5	9.990	0	92.4	20	147				
Endosulfan sulfate	9.4	2.5	9.990	0	94.3	21	153				
Endrin	9.9	2.5	9.990	0	99.6	22	152				
Endrin aldehyde	8.6	2.5	9.990	0	86.4	20	157				P
Endrin ketone	9.7	2.5	9.990	0	97.5	28	155				
gamma-BHC	9.4	2.5	9.990	0	94.5	20	153				
gamma-Chlordane	9.6	10	9.990	0	95.8	20	157				J
Heptachlor	9.4	3.0	9.990	0	94.1	33	153				
Heptachlor epoxide	9.8	2.5	9.990	0	98.3	29	153				
Hexachlorobenzene	ND	2.5		0	0	10	132				U
Hexachlorocyclopentadiene	ND	3.0		0	0	10	121				U
Methoxychlor	8.7	2.5	9.990	0	86.9	37	148				
Toxaphene	ND	25		0	0	30	145				U
Surr: DCB	21		24.98		84.9	16	148				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7246**

Sample ID **LCS-7246** SampType: **LCS** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12495**
Client ID: **LCSS** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233626**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX	20		24.98		81.5	19	145				

Sample ID **MB-7246** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12495**
Client ID: **PBS** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233627**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	ND	2.5									U
4,4´-DDE	ND	2.5									U
4,4´-DDT	ND	2.5									U
Aldrin	ND	2.5									U
alpha-BHC	ND	2.5									U
alpha-Chlordane	ND	9.9									U
beta-BHC	ND	2.5									U
Chlorobenzilate	ND	2.5									U
DBCP	ND	2.5									U
delta-BHC	ND	2.5									U
Dieldrin	ND	2.5									U
Endosulfan I	ND	2.5									U
Endosulfan II	ND	2.5									U
Endosulfan sulfate	ND	2.5									U
Endrin	ND	2.5									U
Endrin aldehyde	ND	2.5									U
Endrin ketone	ND	2.5									U
gamma-BHC	ND	2.5									U
gamma-Chlordane	ND	9.9									U

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7246**

Sample ID **MB-7246** SampType: **MBLK** TestCode: **8081_S** Units: **µg/Kg** Prep Date: **11/18/2015** RunNo: **12495**
Client ID: **PBS** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233627**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Heptachlor	ND	3.0									U
Heptachlor epoxide	ND	2.5									U
Hexachlorobenzene	ND	2.5									U
Hexachlorocyclopentadiene	ND	3.0									U
Methoxychlor	ND	2.5									U
Toxaphene	ND	25									U
Surr: DCB	22		24.86		88.4	16	148				
Surr: TCX	21		24.86		83.4	19	145				

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12495**
Client ID: **BatchQC** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/20/2015** SeqNo: **233632**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	17	2.7	10.90	2.911	130	14	156				
4,4´-DDE	13	2.7	10.90	2.798	95.1	13	158				
4,4´-DDT	16	2.7	10.90	7.232	76.9	14	158				
Aldrin	41	2.7	10.90	29.47	105	23	150				
alpha-BHC	12	2.7	10.90	0	113	10	153				
alpha-Chlordane	36	11	10.90	32.69	27.1	16	155				
beta-BHC	11	2.7	10.90	0	104	32	158				
Chlorobenzilate	ND	2.7		0	0	16	148				U
DBCP	ND	2.7		0	0	13	145				U
delta-BHC	13	2.7	10.90	0	117	14	151				P
Dieldrin	26	2.7	10.90	14.44	107	30	148				
Endosulfan I	8.7	2.7	10.90	0	79.8	21	150				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7246**

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8081_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12495**

Client ID: **BatchQC** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/20/2015** SeqNo: **233632**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan II	9.6	2.7	10.90	0	88.5	10	151				
Endosulfan sulfate	9.9	2.7	10.90	0	90.6	19	156				P
Endrin	13	2.7	10.90	0	115	15	158				
Endrin aldehyde	8.8	2.7	10.90	0	80.5	16	152				P
Endrin ketone	12	2.7	10.90	0	107	13	156				
gamma-BHC	16	2.7	10.90	0	149	10	157				
gamma-Chlordane	32	11	10.90	27.49	44.6	21	158				P
Heptachlor	19	3.3	10.90	4.317	136	20	159				
Heptachlor epoxide	20	2.7	10.90	7.010	122	21	155				
Hexachlorobenzene	ND	2.7		0	0	10	154				U
Hexachlorocyclopentadiene	ND	3.3		0	0	11	120				U
Methoxychlor	17	2.7	10.90	0	155	18	158				P
Toxaphene	ND	27		0	0	20	140				U
Surr: DCB	33		27.26		120	16	148				
Surr: TCX	22		27.26		81.3	19	145				

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12495**

Client ID: **BatchQC** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/20/2015** SeqNo: **233633**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4´-DDD	13	2.7	10.90	2.911	92.0	14	156	17.09	27.6	20	R
4,4´-DDE	12	2.7	10.90	2.798	84.4	13	158	13.17	9.28	20	
4,4´-DDT	15	2.7	10.90	7.232	66.8	14	158	15.61	7.30	20	
Aldrin	38	2.7	10.90	29.47	74.0	23	150	40.94	8.67	20	
alpha-BHC	11	2.7	10.90	0	103	10	153	12.31	8.68	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7246**

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8081_S** Units: **µg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12495**

Client ID: **BatchQC** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/20/2015** SeqNo: **233633**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-Chlordane	38	11	10.90	32.69	51.8	16	155	35.65	7.25	20	P
beta-BHC	10	2.7	10.90	0	94.5	32	158	11.32	9.44	20	
Chlorobenzilate	ND	2.7		0	0	16	148	0	0	20	U
DBCP	ND	2.7		0	0	1213	145	0	0	20	U
delta-BHC	12	2.7	10.90	0	110	14	151	12.78	6.60	20	P
Dieldrin	23	2.7	10.90	14.44	80.1	30	148	26.16	12.1	20	
Endosulfan I	9.6	2.7	10.90	0	88.1	21	150	8.699	9.96	20	
Endosulfan II	9.0	2.7	10.90	0	82.7	10	151	9.648	6.72	20	
Endosulfan sulfate	8.8	2.7	10.90	0	80.5	19	156	9.877	11.8	20	P
Endrin	12	2.7	10.90	0	107	15	158	12.56	7.56	20	
Endrin aldehyde	8.2	2.7	10.90	0	74.9	16	152	8.775	7.12	20	P
Endrin ketone	11	2.7	10.90	0	98.2	13	156	11.65	8.44	20	
gamma-BHC	15	2.7	10.90	0	136	10	157	16.24	8.86	20	P
gamma-Chlordane	32	11	10.90	27.49	45.7	21	158	32.36	0.341	20	P
Heptachlor	17	3.3	10.90	4.317	117	20	159	19.14	11.6	20	
Heptachlor epoxide	18	2.7	10.90	7.010	103	21	155	20.28	10.6	20	
Hexachlorobenzene	ND	2.7		0	0	10	154	0	0	20	U
Hexachlorocyclopentadiene	ND	3.3		0	0	11	120	0	0	20	U
Methoxychlor	15	2.7	10.90	0	133	18	158	16.86	14.7	20	
Toxaphene	ND	27		0	0	20	140	0	0	20	U
Surr: DCB	30		27.26		108	16	148		0	20	
Surr: TCX	21		27.26		76.8	19	145		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

Original

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY **BatchID:** **7246**

Sample ID **LCS-7246** SampType: **LCS** TestCode: **8081_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12496**
Client ID: **LCSS** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233655**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	22		24.98		88.0	16	148				
Surr: TCX	21		24.98		83.4	19	145				

Sample ID **MB-7246** SampType: **MBLK** TestCode: **8081_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12496**
Client ID: **PBS** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/19/2015** SeqNo: **233656**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	23		24.86		93.0	16	148				
Surr: TCX	21		24.86		86.1	19	145				

Sample ID **1511115-003AMS** SampType: **MS** TestCode: **8081_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12496**
Client ID: **BatchQC** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/20/2015** SeqNo: **233661**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	27		27.26		98.2	16	148				
Surr: TCX	22		27.26		80.2	19	145				

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8081_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12496**
Client ID: **BatchQC** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/20/2015** SeqNo: **233662**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	24		27.26		87.8	16	148		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

Original

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7246**

Sample ID **1511115-003AMSD** SampType: **MSD** TestCode: **8081_S** Units: **%Rec** Prep Date: **11/18/2015** RunNo: **12496**
Client ID: **BatchQC** Batch ID: **7246** TestNo: **SW8081B** **SW3546** Analysis Date: **11/20/2015** SeqNo: **233662**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX	21		27.26		77.1	19	145		0	20	

Qualifiers:
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits
W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.
Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7248**

Sample ID **MBS111815A** SampType: **MBLK** TestCode: **Cr6_S** Units: **mg/Kg** Prep Date: **11/18/2015** RunNo: **12395**
Client ID: **PBS** Batch ID: **7248** TestNo: **SW7196A** **SW3060A** Analysis Date: **11/18/2015** SeqNo: **232122**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	ND	0.500									U

Sample ID **LCSS111815A** SampType: **LCS** TestCode: **Cr6_S** Units: **mg/Kg** Prep Date: **11/18/2015** RunNo: **12395**
Client ID: **LCSS** Batch ID: **7248** TestNo: **SW7196A** **SW3060A** Analysis Date: **11/18/2015** SeqNo: **232123**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	9.68	0.500	10.00	0	96.8	80	120				

Sample ID **1511120-005AMS** SampType: **MS** TestCode: **Cr6_S** Units: **mg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12395**
Client ID: **BatchQC** Batch ID: **7248** TestNo: **SW7196A** **SW3060A** Analysis Date: **11/18/2015** SeqNo: **232135**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	10.3	0.546	10.91	0	94.8	75	125				

Sample ID **1511120-005AMSD** SampType: **MSD** TestCode: **Cr6_S** Units: **mg/Kg-dry** Prep Date: **11/18/2015** RunNo: **12395**
Client ID: **BatchQC** Batch ID: **7248** TestNo: **SW7196A** **SW3060A** Analysis Date: **11/18/2015** SeqNo: **232136**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium, Hexavalent	10.4	0.539	10.79	0	96.8	75	125	10.35	0.900	0	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7251**

Sample ID **MB-7251** SampType: **MBLK** TestCode: **8151_S** Units: **%Rec** Prep Date: **11/19/2015** RunNo: **12512**

Client ID: **PBS** Batch ID: **7251** TestNo: **SW8151A** **SW8151A** Analysis Date: **11/23/2015** SeqNo: **233824**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4-DCAA	13		16.66		77.0	15	153				

Sample ID **LCS-7251** SampType: **LCS** TestCode: **8151_S** Units: **%Rec** Prep Date: **11/19/2015** RunNo: **12512**

Client ID: **LCSS** Batch ID: **7251** TestNo: **SW8151A** **SW8151A** Analysis Date: **11/23/2015** SeqNo: **233825**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4-DCAA	16		16.66		97.6	15	153				P

Qualifiers:

R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7251**

Sample ID **MB-7251** SampType: **MBLK** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **11/19/2015** RunNo: **12513**

Client ID: **PBS** Batch ID: **7251** TestNo: **SW8151A** **SW8151A** Analysis Date: **11/23/2015** SeqNo: **233832**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	ND	3.0									U
2,4,5-TP	ND	3.0									U
2,4-D	ND	3.0									U
Dicamba	ND	3.0									U
Surr: 2,4-DCAA	15		16.66		89.0	15	153				

Sample ID **LCS-7251** SampType: **LCS** TestCode: **8151_S** Units: **µg/Kg** Prep Date: **11/19/2015** RunNo: **12513**

Client ID: **LCSS** Batch ID: **7251** TestNo: **SW8151A** **SW8151A** Analysis Date: **11/23/2015** SeqNo: **233833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,5-T	24	3.0	33.33	0	70.7	30	120				
2,4,5-TP	30	3.0	33.33	0	88.9	22	136				
2,4-D	38	3.0	33.33	0	113	36	138				
Dicamba	25	3.0	33.33	0	76.5	30	120				
Surr: 2,4-DCAA	11		16.66		68.3	15	153				P

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

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QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7256**

Sample ID **PBS151119A** SampType: **MBLK** TestCode: **CN_S** Units: **mg/Kg** Prep Date: **11/19/2015** RunNo: **12422**

Client ID: **PBS** Batch ID: **7256** TestNo: **SW9012B** **SW9012B** Analysis Date: **11/19/2015** SeqNo: **232781**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	ND	0.100									U

Sample ID **LCSS151119A** SampType: **LCS** TestCode: **CN_S** Units: **mg/Kg** Prep Date: **11/19/2015** RunNo: **12422**

Client ID: **LCSS** Batch ID: **7256** TestNo: **SW9012B** **SW9012B** Analysis Date: **11/19/2015** SeqNo: **232782**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	1.99	0.100	2.000	0	99.5	80	120				

Sample ID **1511097-003AMS** SampType: **MS** TestCode: **CN_S** Units: **mg/Kg-dry** Prep Date: **11/19/2015** RunNo: **12422**

Client ID: **BatchQC** Batch ID: **7256** TestNo: **SW9012B** **SW9012B** Analysis Date: **11/19/2015** SeqNo: **232793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	2.53	0.115	2.302	0.06867	107	63	123				

Sample ID **1511097-003AMSD** SampType: **MSD** TestCode: **CN_S** Units: **mg/Kg-dry** Prep Date: **11/19/2015** RunNo: **12422**

Client ID: **BatchQC** Batch ID: **7256** TestNo: **SW9012B** **SW9012B** Analysis Date: **11/19/2015** SeqNo: **232794**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total & Amenable: Auto Colorimetric	2.47	0.115	2.302	0.06867	105	63	123	2.533	2.30	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits W Sample container temperature is out of limit as sp

Original

National Registry of Environmental Professionals

Be it known to all persons that the following individual pursuant to the requirements for education, experience and examination established by the National Registry of Environmental Professionals is entitled to all of the rights and privileges by the body and to be duly registered by it.

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Ritesh Shah

is a

Environmental and Safety Compliance Officer

This certificate will remain valid only if it bears the seal of the current year, unless revoked, suspended or invalidated by order of the Board of Directors of the National Registry of Environmental Professionals.

NATIONAL REGISTRY OF ENVIRONMENTAL PROFESSIONALS NREP

Witness our hand

This Day 01/01/2013

Richard Young, PhD

Executive Director

Registration Number: CESCO 654786290

This certificate is the property of the National Registry of Environmental Professionals and must upon demand be returned.

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Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1511114**

24-Nov-15

Client: Bagiana Construction Inc.

Project: IS-323, 210 Chester St, Brooklyn, NY

BatchID: **7256**

Sample ID	**1511097-003AMSD**	SampType:	**MSD**	TestCode:	**CN_S**	Units:	**mg/Kg-dry**	Prep Date:	**11/19/2015**	RunNo:	**12422**				
Client ID:	**BatchQC**	Batch ID:	**7256**	TestNo:	**SW9012B**	**SW9012B**		Analysis Date:	**11/19/2015**	SeqNo:	**232794**				
Analyte			Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual		

Qualifiers:

R	RPD outside accepted recovery limits	S	Spike Recovery outside accepted recovery limits	W	Sample container temperature is out of limit as sp

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