

1815 WEST FARMS ROAD

BRONX, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: is 16CVCP029X

Prepared for:

West Farms Equities, LLC

1815 West Farms Road

Bronx, NY

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REMEDIAL INVESTIGATION REPORT

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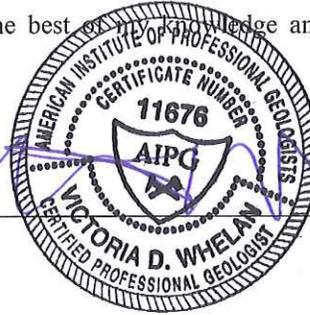
LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC VCP	New York City Voluntary Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Victoria Whelan, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 1815 West Farms Road Site, (NYC VCP Site No. 16CVCP029X). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contains all available environmental information and data regarding the property.

Victoria Whelan 10/30/15



Qualified Environmental Professional

Date

Signature

QEP IPEP# 02140003

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 1815 West Farms Road in the Crotona Park East/West Farms section of the Bronx, New York and is identified as Block: 3015 and Lots: 62, 87 & 89 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 12,436-square feet and is bounded by an auto shop to the north, New York City Sanitation Department building to the south, West Farms Road to the east, and Boone Avenue to the west. A map of the site boundary is shown in Figure 3. Currently, the Site is used for office space and miscellaneous storage and contains a house used as an office and a metal Quonset Hut used for storage. Additionally, the open land areas are used for miscellaneous construction storage.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of an 11-story residence. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R7A. The proposed use is consistent with existing zoning for the property.

The 11-story proposed development is planned to include an 81-unit community development, a parking area and a recreational area, which includes two grass areas. The proposed building will not occupy the entire Site. The maximum depth of soil excavation for development purposes will be five feet below grade in the area of the building footprint. The proposed building will not contain a cellar. There will be two elevators centrally located in the building that will potentially extend into the shallow bedrock which greatly slopes across the property from grade.

The first floor will contain a water room, gas room, electric room, compactor room, and a laundry room in addition to three residential apartments. The 2nd to 9th floors will contain the rest of the residential spaces. Shrubs and trees will be planted around the site. The site is

currently developed with a residential house and metal Quonset Hut, therefore demolition will be required.

Summary of Past Uses of Site and Areas of Concern

The Site has been historically used for residential and commercial purposes. According to Sanborn Fire Insurance maps, there has been a dwelling located on Lot 89 since at least 1915. A garage has been depicted on Lot 89 since approximately 1950. In 1977, Lot 87 is denoted as ‘auto junk.’ From 1983-2007, the garage on lot 89 is denoted as auto repair. According to the EDR City Directory the past uses of the Site are:

- 2005 to Present - Walison Corp.
- 1983 to 2000 – Collazo (Residential)
- 1976 – Rivera Efren (Residential)
- 1971 Mrs. Kenny Agnes (Residential)
- 1927- 1961 – Scognamiglio (Residential)

According to a Phase I ESA conducted in November 2013 by Equity Environmental Engineering LLC, the following Areas of Concern (AOCs) were identified for the Site:

- The storage of “auto junk” on a portion of the property could cause the discharge of various fluids which could lead to the contamination of the subject property.
- The use of the property (and adjacent property) as an auto body shop could have caused contamination of the subject property.
- The subject property has multiple “E” designations, one of which is for hazardous materials which requires following the Phase I Environmental Site Assessment (ESA) and Phase II Site Investigation (SI) protocol and appropriate remediation if necessary.
- Vapor encroachment issues could not be ruled out.

Summary of the Work Performed under the Remedial Investigation

CA RICH performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 12 soil borings across the entire project Site, and collected 21 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three temporary groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis.

Summary of Environmental Findings

Briefly summarize the findings of the RI regarding hydrogeology and the nature and extent of contamination at the Site. Numbered list as shown below preferred. Review prior approved R.I.R. documents (comps) for comparison.

1. Elevation of the property ranges from 20 to 40 feet.
2. Depth to groundwater ranges from 11.65 to 12.60 feet at the Site.
3. Shallow groundwater flow is generally in an easterly direction beneath the Site.
4. The stratigraphy of the site, from the surface down, consists of fine and medium-grained sand down to bedrock. Bedrock is exposed in some areas and greater than 20 feet in other areas at the Site. There is an approximately 20-foot high bedrock outcrop that splits the Property into two sides, one along Boone Avenue and one along West Farms Road.
5. Twenty one soil/fill samples collected during the Remedial Investigation were compared to 6NYCRR Part 375-6.8 Track 1 Unrestricted Use Soil Cleanup Objectives (SCOs) and Track 2 Restricted Residential Use SCOs. No Volatile Organic Compounds (VOCs) were detected in any sample above Unrestricted Use SCOs. The presence of multiple SVOCs were detected above Restricted Residential Use SCOs including: benzo(a)anthracene (max. 6,400 ppb), benzo(a)pyrene (max. 5,700 ppb), benzo(b)fluoranthene (max. 5,000 ppb), benzo(k)fluoranthene (max. 5,200 ppb), chrysene (max. 5,400 ppb), dibenzo(a,h)anthracene (max. 1,100 ppb), and indeno(1,2,3-c,d)pyrene (max. 3,800 ppb). Two pesticides, 4,4'-DDE (max. 10 ppb) and 4,4'-DDT (max. 32 ppb), were detected

above Unrestricted Use SCOs. No PCBs were detected above Unrestricted Use SCOs. Metals were detected above Unrestricted Use SCOs in all but five samples. Several metals were detected exceeding Unrestricted Use SCOs including copper (max. 52.5 ppm), lead (max. 875 ppm), mercury (max. 6.75 ppm), silver (max. 4.08 ppm), and zinc (max. 389). Of these metals, lead and mercury also exceed Restricted Residential Use SCOs.

6. Groundwater sample results from the RI were compared to New York State 6NYCRR Part 703.5 Class GA groundwater quality standards (GQS). Groundwater results showed two VOCs that exceeded GQS including methylene chloride (max. 11 ppb) and tetrachloroethene (max. 18 ppb). Methylene chloride was also detected in both the Field Blank and Trip Blank. SVOCs, pesticides, and PCBs were not detected in any groundwater samples. Several metals were identified but only lead (max. 0.306 ppm), manganese (max. 0.357 ppm), and sodium (max. 58.2 ppm) exceeded their respective GQSs. Lead in groundwater is a concern.
7. Five soil vapor samples collected during the RI were compared to the compounds listed in Matrices 1 and 2 in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion. Soil vapor samples showed no VOCs in soil vapor exceed the guidance values. Chlorinated VOCs were detected in the soil vapor at the site, but at relatively low levels. Trichloroethene was detected at a maximum concentration of 29.3 ug/m³, tetrachloroethene at 7.59 ug/m³, and 111 TCA at 1.27 ug/m³, while carbon tetrachloride was not detected in any samples. Petroleum-related VOCs were detected at moderate levels in soil vapor throughout the site.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

West Farms Equities will be enrolling in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 12,436-square foot site located at 1815 West Farms Road in the Crotona Park East/West Farms section of the Bronx, New York. Residential use is proposed for the property. The RI work was performed between September 10, 2015 and September 14, 2015. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 Site Location and Current Usage

The Site is located at 1815 West Farms Road in the Crotona Park East/West Farms section of the Bronx, New York and is identified as Block 3015 and Lots: 62, 87, 89 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 12,436-square feet and is bounded by an auto shop to the north, New York City Sanitation Department building to the south, West Farms Road to the east, and Boone Avenue to the west. A map of the site boundary is shown in Figure 3. Currently, the Site is used for office space and miscellaneous storage and contains a house used as an office and a metal Quonset Hut used for storage. Additionally, the open land areas are used for miscellaneous construction storage.

1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of an 11-story residence. Layout of the proposed site development is presented in Figure 3. The current zoning designation is R7A. The proposed use is consistent with existing zoning for the property.

The 11-story proposed development is planned to include an 81-unit community development and parking area and a recreational area which includes two grass areas. The proposed building will not occupy the entire Site. The maximum depth of soil excavation for development purposes will be five feet below grade in the area of the building footprint. The proposed building will not contain a cellar. There will be two elevators centrally located in the building that will potentially extend into the shallow bedrock which greatly slopes across the property from grade.

The first floor will contain a water room, gas room, electric room, compactor room, and a laundry room in addition to three residential apartments. The 2nd to 9th floors will contain the rest of the residential spaces. Shrubs and trees will be planted around the site. The site is currently developed with a residential house and metal Quonset Hut, therefore demolition will be required.

1.3 Description of Surrounding Property

According to the OER's SPEED application, the Site is bound by West Farms Road followed by the Sheridan Expressway to the East and Boone Avenue followed by a commercial storage building to the West. A NYC Department of Sanitation Building (zoned R7A R7X for transportation and utility) borders the Site to the South, and an auto shop (zoned R7A for transportation and utility) is located to the north of the Site. No schools, hospitals, or day care facilities are located within 500 feet of the Site.

2.0 SITE HISTORY

2.1 Past Uses and Ownership

The Site has been historically used for residential and commercial purposes. According to Sanborn Fire Insurance maps, there has been a dwelling located on Lot 89 since at least 1915. A garage has been depicted on Lot 89 since approximately 1950. In 1977, Lot 87 is denoted as ‘auto junk.’ From 1983-2007, the garage on lot 89 is denoted as auto repair. According to the EDR City Directory the past uses of the Site are:

- 2005 to Present - Walison Corp.
- 1983 to 2000 – Collazo (Residential)
- 1976 – Rivera Efren (Residential)
- 1971 Mrs. Kenny Agnes (Residential)
- 1927- 1961 – Scognamiglio (Residential)

2.2 Previous Investigations

The following environmental reports were prepared for the Site:

A Phase I Environmental Site Assessment was performed on the Property in November 2013 by Equity Environmental Engineering, LLC. The following Recognized Environmental Conditions (RECs) were identified:

- The storage of “auto junk” on a portion of the property could cause the discharge of various fluids which could lead to the contamination of the subject property.
- The use of the property (and adjacent property) as an auto body shop could have caused contamination of the subject property.
- The subject property has multiple “E” designations, one of which is for hazardous materials which requires following the Phase I Environmental Site Assessment (ESA) and Phase II Site Investigation (SI) protocol and appropriate remediation if necessary.
- Vapor encroachment issues could not be ruled out.

A Geotechnical Engineering Report was performed on the Property by Reilly Engineering D.P.C. in May 2015. The report recommended an appropriate foundation design for the subsurface conditions. Historical Reports are attached as Appendix A. In June 2015, CA Rich prepared a Phase II work plan, later approved by OER. The implementation of this work plan is the subject of this Report.

2.3 Site Inspection

On September 1, 2015, Victoria Whelan and William Fitchett of CA RICH inspected the Site. At the time of inspection, the Property was improved with a two-story house, a Quonset hut, and miscellaneous storage including a van, large truck and construction equipment on the West Farms Road side. The house is currently used as an office space. The Boone Avenue side of the Property contains miscellaneous construction equipment.

2.4 Areas of Concern

Based upon the Phase I Environmental Site Assessment performed on the Property in November 2013 by Equity Environmental Engineering and the property inspection, the following Areas of Concern (AOCs) have been identified.

- The storage of “auto junk” on a portion of the property could cause the discharge of various fluids which could lead to the contamination of the subject property.
- The use of the property (and adjacent property) as an auto body shop could have caused contamination of the subject property.
- The subject property has multiple “E” designations, one of which is for hazardous materials which requires following the Phase I Environmental Site Assessment (ESA) and Phase II Site Investigation (SI) protocol and appropriate remediation if necessary.
- Vapor encroachment issues could not be ruled out.

3.0 PROJECT MANAGEMENT

3.1 Project Organization

The Qualified Environmental Professional (QEP) responsible for preparation of this RIR is Victoria Whelan, QEP #02140003.

3.2 Health and Safety

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements.

3.3 Materials Management

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

CA RICH performed the following scope of work, in accordance with the OER-approved Phase II Work Plan, date June 2015.

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed 12 soil borings across the entire project Site, and collected 21 soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installed five soil vapor probes around Site perimeter and collected five samples for chemical analysis to evaluate soil vapor quality.

4.1 Geophysical Investigation

A Geophysical Investigation was not conducted on the Property. A Geotechnical engineering report was prepared for the Property in May 2015 by Reilly Engineering D.P.C. This report recommended an appropriate building foundation based on the Site's subsurface conditions.

4.2 Borings and Monitoring Wells

Drilling and Soil Logging

Between September 10-11, 2015, 12 strategically placed soil borings were installed utilizing a Geoprobe™ drilling system, in accordance with the OER-approved Phase II Work Plan and Health and Safety Plan, attached in Appendix B. The soil borings were identified as SB-1 through SB-12.

Soil borings SB-1 through SB-4 are located on the elevated Boone Avenue portion of the Site, where shallow bedrock was encountered. Soil boring SB-1 was drilled until refusal at five feet. Due to low recovery, a composite 0-5 feet sample was collected. Soil borings SB-2 and

SB-3 were drilled until refusal at four feet. A 2-4 foot sample was collected. Soil boring SB-4 encountered refusal at seven feet, and samples were collected from 0-3 feet and 5-7 feet.

The remaining soil borings were installed on the lower portion of the Site, closest to West Farms Road. Soil boring SB-5 was drilled in the eastern section of the Site, to a depth of five feet, with samples collected from 0-3 feet and 3-5 feet. Soil Boring SB-6 was drilled in the middle-eastern section of the Site, to 10 feet, and samples were collected from 0-2 feet and 3-4 feet. Soil boring SB-7 was drilled in the southern section to five feet, and samples were collected from 0-2 feet and 3-5 feet. Soil boring SB-8 was drilled in the center of the Site, near the bedrock outcrop. Refusal was encountered at eight feet. Samples from this boring were collected from 0-2 feet and 5-8 feet. Soil boring SB-9 was drilled in the northeastern section to a five-foot depth, and samples were collected from 0-2 feet and 3-5 feet. Soil borings SB-10 and SB-11 were drilled in the northern section, near the bedrock outcrop. These borings encountered refusal when they were extended to 11 feet. Samples from these borings were collected from 0-2 feet and 5-7 feet. Soil boring SB-12 was drilled to five feet, and samples were collected from 0-3 feet and 3-5 feet. Soil from all borings were screened for organic vapors using a photoionization detector (PID). No PID readings were observed.

Additionally, five soil vapor points were installed utilizing the Geoprobe™ drilling system. These soil vapor points are identified as SV-1 through SV-5. The vapor points were set at depths ranging from two to five feet.

Boring logs were prepared by William Fitchett of CA RICH are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 2.

Groundwater Monitoring Well Construction

On September 10 and 11, 2015, three, one-inch diameter temporary groundwater monitoring wells were installed throughout the Site utilizing a Geoprobe™ drilling system. The three monitoring wells were set at 20 feet below grade. Groundwater throughout the site ranged from 11.60 to 12.65 feet below grade. Due to the shallow depth to bedrock throughout much of the site, all three monitoring wells were installed in the eastern side of the Site, near West Farms Road.

Monitoring well locations are shown in Figure 2.

Survey

The groundwater monitoring wells utilized in this Remedial Investigation were installed temporarily and therefore their elevations were not surveyed.

Water Level Measurement

The depth to water was measured in each of the wells using an electronic water level indicator.

4.3 Sample Collection and Chemical Analysis

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

A total of 21 soil samples were collected for chemical analysis during this Remedial Investigation. Information regarding soil sample collection and sampling dates and depths is shown in Tables 5-8. The location of samples with exceedances of NYCRR Part 375 Unrestricted Use Limits is shown in Figure 5. Samples were collected utilizing the Geoprobe's, direct push macro core sample sleeves. Samples were immediately placed in a cooler and shipped to American Analytical Laboratories of Farmingdale, NY for analysis. All samples were uniquely identified and all information associated with the samples were recorded utilizing standard chain-of-custody sampling protocols.

Groundwater Sampling

Groundwater Monitoring wells were installed on September 10-11, 2015. These wells were installed in the eastern section of the Site due to the shallow bedrock throughout most other areas. Depth-to-water readings were taken using an electronic water level indicator. Figure

54 shows the location of samples with detections above the NY TOGS limits. Samples were immediately placed in a cooler and shipped to American Analytical Laboratories of Farmingdale, NY. Three groundwater samples were collected for chemical analysis during this RI. Groundwater sample collection data is reported in Tables 1-4.. Figure 2 shows the location of temporary groundwater monitoring wells. Laboratories and analytical methods are shown below.

Soil Vapor Sampling

On September 10, 2015, five temporary soil vapor points were installed at depths. Two vapor points were installed to two feet, two vapor points were installed to five feet, and one vapor point was installed to three feet. These points were constructed with stainless steel screen connected to ¼ inch poly tubing. The annular space around the screened zone was filled with clean sand. Prior to sampling, three volumes were purged from each soil vapor point. The points were sampled on September 11, 2015. These points were sampled using SUMMA® canisters set to fill at a rate of not more than 0.2 liters per minute with an approximate fill time of two hours. Samples were shipped to Alpha Analytical Laboratories of Mahwah, New Jersey. All samples were uniquely identified and all information associated with the samples were recorded utilizing standard chain-of-custody sampling protocols. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data is reported in Table 9. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006*.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	Description
Quality Assurance Officer	The chemical analytical quality assurance is directed by Lori Beyer (Soil and Groundwater) and Chris Andersen (Soil Vapor).
Chemical Analytical Laboratory	Chemical analytical laboratory(s) used in the RI are NYS ELAP certified and were American Analytical Laboratories and Alpha Analytical Laboratories.
Chemical Analytical	Soil analytical methods:

Methods	<ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); <p>Groundwater analytical methods:</p> <ul style="list-style-type: none"> • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); <p>Soil vapor analytical methods:</p> <ul style="list-style-type: none"> • VOCs by TO-15 VOC parameters..
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Results of Chemical Analyses

Laboratory data for groundwater, soil and soil vapor are summarized in Tables 1-9, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix D-F.

5.0 ENVIRONMENTAL EVALUATION

5.1 Geological and Hydrogeological Conditions

Based upon the information obtained during this Remedial Investigation, the Site is underlain from the surface to groundwater with generally fine and medium-grained brown and tan sand. The depth of the shallow groundwater beneath the site ranges from 11.65 to 12.60 feet below grade.

Stratigraphy

The Site is underlain with generally fine and medium-grained brown and tan sand from the surface to groundwater. There is an approximately 20-foot high bedrock outcrop that splits the Property into two sides, one bordering Boone Avenue and one bordering West Farms Road. Shallow bedrock was encountered throughout the site, with the exception of the eastern section near West Farms Road.

Hydrogeology

The depth of the shallow groundwater beneath the site ranges from 11.65 to 12.60 feet below grade.

The average depth to groundwater is 12.24 feet and the range in depth is 11.65 feet to 12.60 feet. Groundwater flow is in an easterly direction towards the Bronx River.

5.2 Soil Chemistry

The results from the chemical analysis of 21 soil samples collected from 12 soil borings indicate the following:

VOCs

Soil samples collected during the RI did not show any Volatile Organic Compounds (VOCs) above their respective Unrestricted Use SCOs.

SVOCs

Soil/fill samples collected during the RI revealed the presence of multiple SVOCs above Unrestricted Use SCOs including: benzo(k)fluoranthene (820 ppb) and indeno(1,2,3-c,d) pyrene (620 ppm) were both detected in soil boring SB-3 at the 2-4 foot depth. Soil from boring SB-5 at a depth of 3-5 feet contains benzo(a)anthracene, at 6,400 ppb, benzo(a)pyrene at 5,700 ppb, benzo(b)fluoranthene at 5,000 ppb, benzo(k)fluoranthene at 5,200 ppb, chrysene at 5,400 ppb, dibenzo(a,h)anthracene at 1,100 ppb, and indeno(1,2,3-c,d)pyrene at 3,800 ppb. All detections

were also above the Restricted Residential but one compound, benzo(k) flouranthene in the sample collected from SB-3 (2-4').

Pesticides/PCBs

Two pesticides (4,4'-DDE and 4,4'-DDT) were detected above Unrestricted Use SCOs. Soil from boring SB-3 at the 2-4 foot depth contains 4,4'-DDE at 10 ppb (compared to of 3.3 ppb) and 4,4'-DDT at 32 ppb (compared to 3.3 ppb). Soil from boring SB-6 at a depth of 0-2 feet contains 4,4'-DDT at 5 ppb. No PCBs were detected above Unrestricted Use SCOs. No pesticides or PCBs were detected above Restricted Residential SCOs.

Metals

Metals were detected above Unrestricted Use SCOs in all but five samples. Lead, Mercury and Zinc were identified in most of the detections; Silver was detected in one sample at 4.08 ppm, compared to its' SCO of 2 ppm and copper was detected in one sample at 52.5 ppm, compared to an SCO of 50 ppm. Lead was detected in all samples, and ranged from 3.46 ppm to 875 ppm. The Unrestricted Use SCO for lead is 63 ppm. Mercury was detected in all but two samples, with values ranging from 0.0208 ppm to 6.75 ppm. The Unrestricted Use SCO for Mercury is 0.18 ppm. Zinc was detected in all samples, and above Unrestricted Use SCOs in seven. Zinc levels ranged from 30.9 to 389 ppm. Zinc has an Unrestricted Use SCO of 109 ppm. Only Lead and Mercury were found in excess of Restricted Residential SCO's. These detections were found in soil from borings SB- 4 (0-3 feet, Mercury only), SB-6 (0-2 feet, Lead and Mercury), SB-12 (Lead and Mercury at 0-3 feet, Lead only at 3-5 feet).

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Table 5-8. Figure 5 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Track 1 Soil Cleanup Objectives.

5.3 Groundwater Chemistry

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 1-4. Figure 4 shows the location and posts the values

for groundwater that exceed the New York State 6NYCRR Part 703.5 Class GA groundwater standards.

The groundwater sample results were compared to NYSDEC Technical & Operational Guidance Series (TOGS) Ambient Water Quality Standards. The results of the chemical analysis of the three groundwater samples collected from three groundwater monitoring wells indicate the following:

VOCs

Two VOCs were detected in the groundwater samples analyzed. Methylene chloride was detected in all three samples and is a known laboratory contaminant. This compound was also detected in both the Field Blank and Trip Blank. Tetrachloroethene (PCE) was detected at 18 ppb in monitoring well MW-3. The standard for PCE is 5 ppb.

SVOCs

No SVOC's were detected above NYS TOGS Water Quality Standards.

Pesticides/PCBs

No pesticides or PCBs were detected above TOGS SCOs.

Metals/Dissolved Metals

Analysis for Total Metals revealed the presence of Chromium (with a range of 0.112 ppm to 0.211 ppm), Copper (0.274 ppm to 0.619 ppm), Iron (77.1 ppm to 139 ppm), Lead (0.0905 ppm to 0.83 ppm), Manganese (2.19 ppm to 3.63 ppm), Nickel (0.131 ppm to 0.329 ppm) and Sodium (22.7 ppm to 58.4 ppm) in all groundwater samples. All of these detections were above their respective water quality standards. Barium was detected in groundwater above its water quality standard from monitoring well MW-1 at 1.32 ppm, compared to its' standard of 1.00 ppm. Magnesium was also detected in MW-1 above its water quality standard, at 48.6 ppm. The standard for Magnesium is 35 ppm.

Analysis for dissolved metals revealed the presence of Lead, Manganese and Sodium at levels above TOGS standards. Manganese ranged from 0.310 ppm to 0.357 ppm (with a standard of 0.300 ppm). Sodium ranged from 24.3 ppm to 58.2 ppm (with a standard of 20.0 ppm). Both of these compounds were found in all monitoring wells. Lead was found in groundwater from

monitoring wells MW-1 and MW-2, at values of 0.306 ppm and 0.100 ppm, respectively. The groundwater quality standard for lead is 0.025 ppm. Lead was also detected in monitoring well MW-3, but at a level below the standard.

5.4 Soil Vapor Chemistry

Soil Vapor results were compared to the NYSDOH Final Guidance on Soil Vapor Intrusion (October 2006) values. The results of the chemical analysis of the five soil vapor samples indicate the following:

No VOCs in soil vapor exceed the Soil Vapor Intrusion value set by the NYSDOH. Chlorinated VOCs were detected in the soil vapor at the site, but at relatively low levels. Petroleum-related VOCs were detected at moderate levels in soil vapor throughout the site. According to the NYSDOH standard, mitigation is not required at the site based upon the VOC levels in soil vapor.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table 9.

Figure 6 shows the location and posts the values for soil vapor samples with detected concentrations.

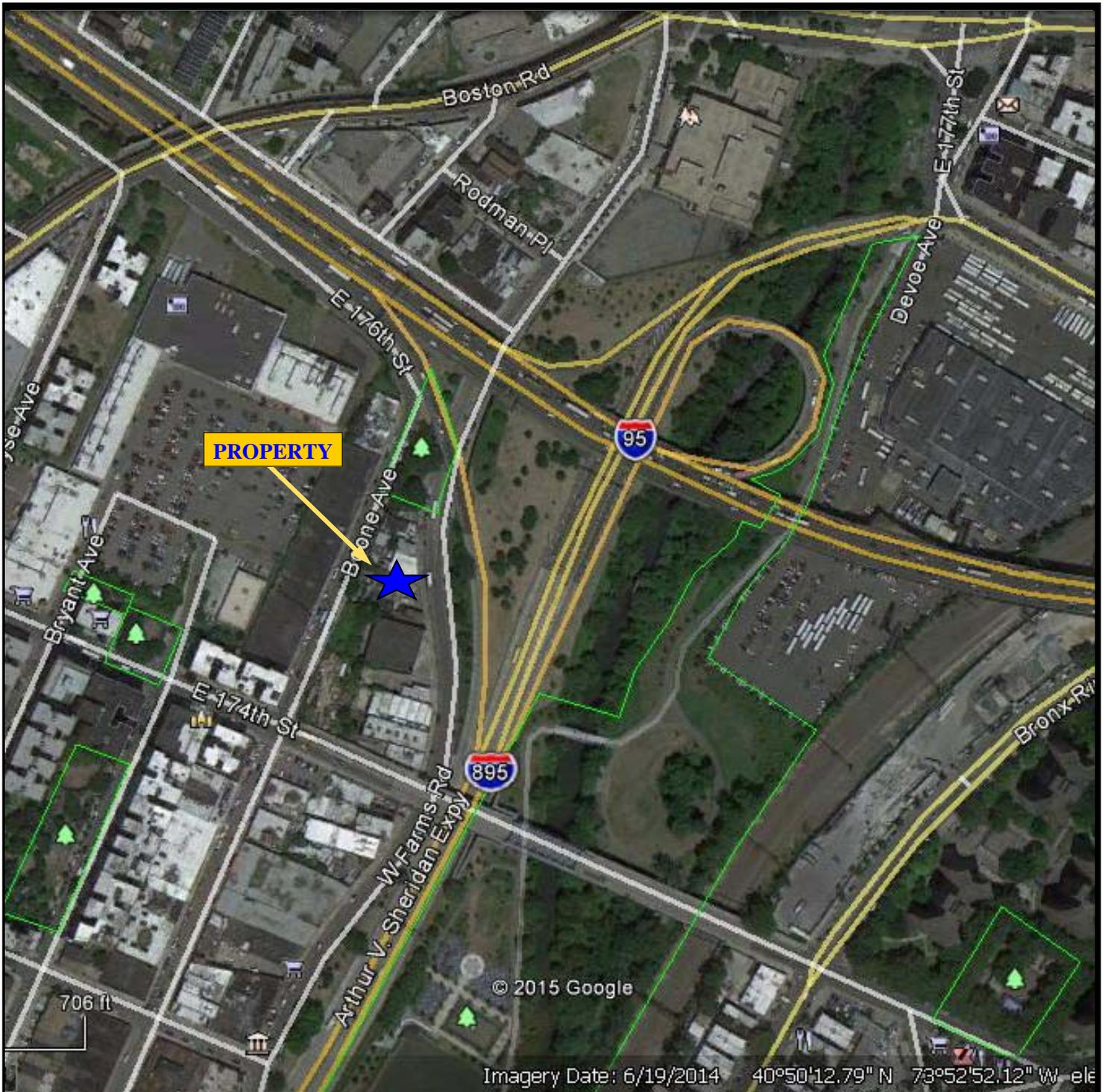
5.5 Prior Activity

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

5.6 Impediments to Remedial Action

There are no known impediments to remedial action at this property.

FIGURES



N

Adapted from Google Earth



CA RICH CONSULTANTS, INC.
17 Dupont Street,
Plainview, NY 11803

TITLE:

SITE LOCATION MAP

DATE:

9/18/15

SCALE:

Not shown

FIGURE:

1

**1815 West Farms Road
Bronx, NY**

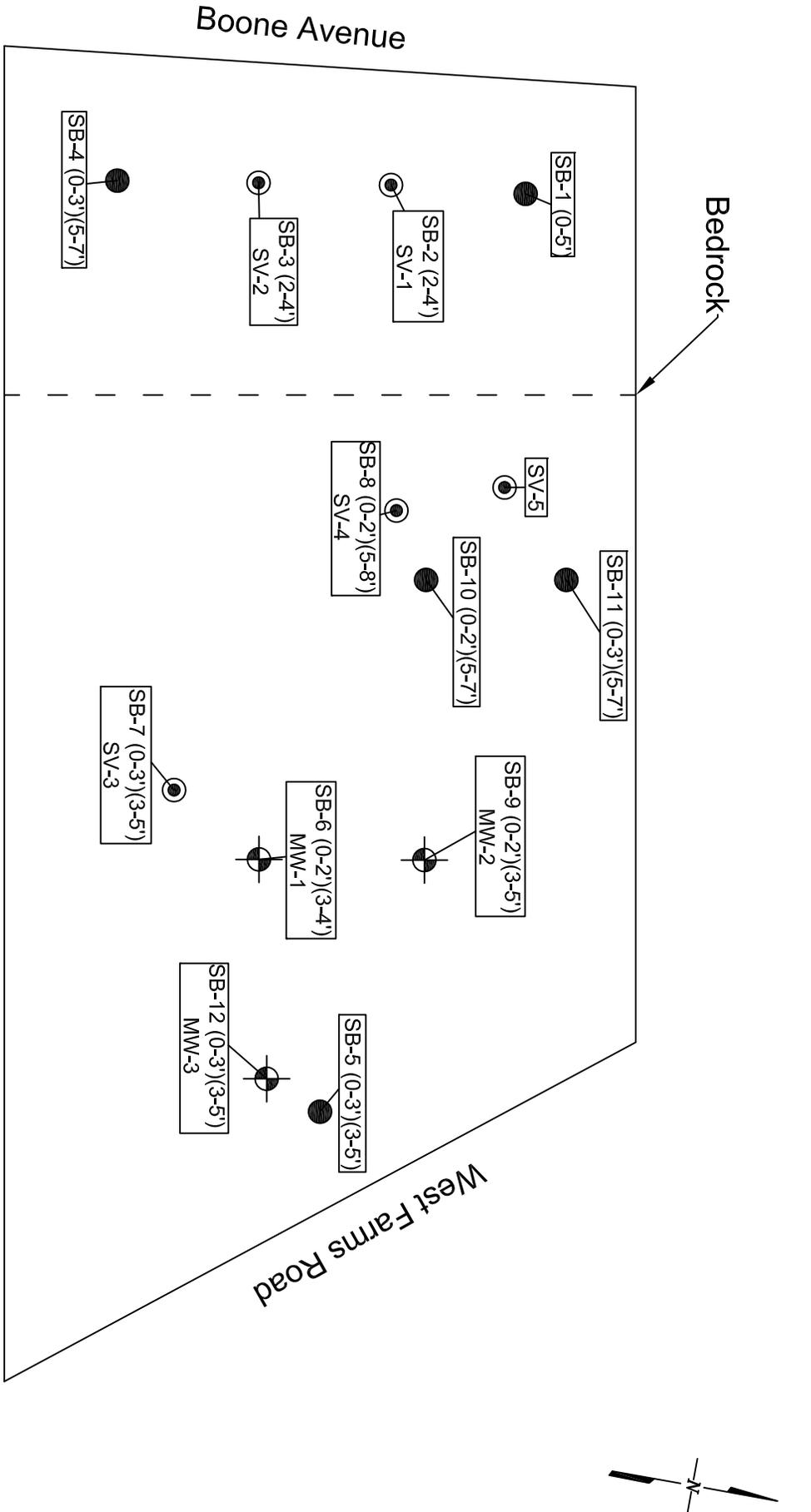
DRAWN BY:

WJF

DRAWING:

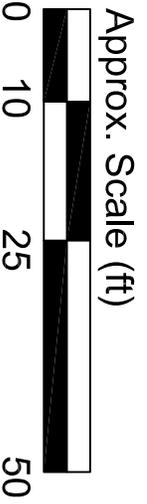
APPR. BY:

VW

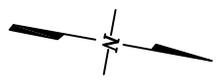
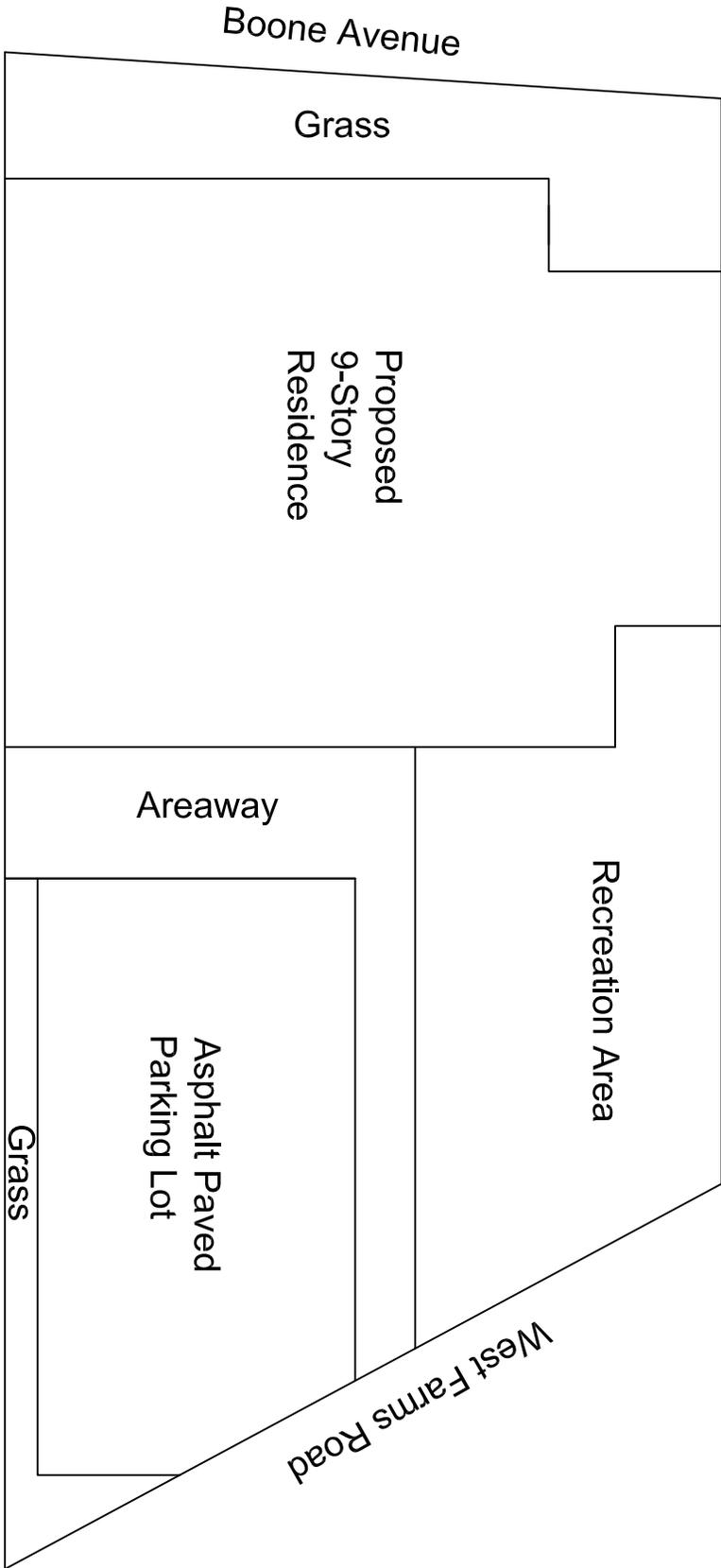


Legend

-  Combined Soil Boring and Groundwater Sample
-  Soil Boring
-  Soil Vapor Sample



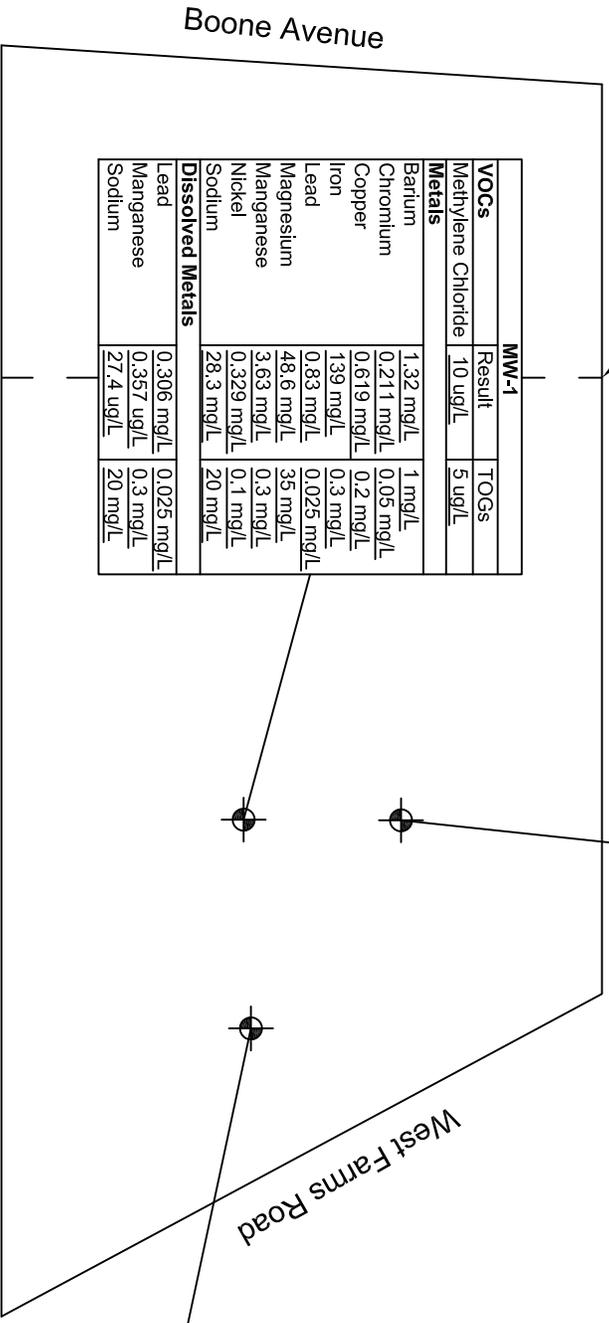
CA RICH CONSULTANTS, INC.		Environmental Specialists Since 1982	
17 Dupont Street, Plainview, New York 11803			
TITLE:			
Sample Location Map			
FIGURE:	2	DATE:	10/15/2015
DRAWING NO.:	2015-4	SCALE:	As Shown
1815 West Farms Road Bronx, NY		DRAWN BY:	T.R.B.
		APPR. BY:	V.W.



Approx. Scale (ft)



<p>CA RICH CONSULTANTS, INC. Environmental Specialists Since 1982 17 Dupont Street, Plainview, New York 11803</p>	
<p>TITLE: Site Plan</p>	
<p>FIGURE: 3</p>	<p>1815 West Farms Road Bronx, NY</p>
<p>DRAWING NO.: 2015-2</p>	<p>DATE: 10/15/2015</p>
<p>SCALE: As Shown</p>	<p>DRAWN BY: T.R.B.</p>
<p>APPR. BY: V.W.</p>	



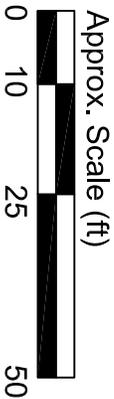
MW-1		
VOCs	Result	TOGS
Methylene Chloride	10 ug/L	5 ug/L
Metals		
Barium	1.32 mg/L	1 mg/L
Chromium	0.211 mg/L	0.05 mg/L
Copper	0.619 mg/L	0.2 mg/L
Iron	139 mg/L	0.3 mg/L
Lead	0.83 mg/L	0.025 mg/L
Magnesium	48.6 mg/L	35 mg/L
Manganese	3.63 mg/L	0.3 mg/L
Nickel	0.329 mg/L	0.1 mg/L
Sodium	28.3 mg/L	20 mg/L
Dissolved Metals		
Lead	0.306 mg/L	0.025 mg/L
Manganese	0.357 ug/L	0.3 mg/L
Sodium	27.4 ug/L	20 mg/L

MW-2		
VOCs	Result	TOGS
Methylene Chloride	9 ug/L	5 ug/L
Metals		
Chromium	0.112 mg/L	0.05 mg/L
Copper	0.297 mg/L	0.2 mg/L
Iron	81.1 mg/L	0.3 mg/L
Lead	0.344 mg/L	0.025 mg/L
Manganese	2.19 mg/L	0.3 mg/L
Nickel	0.152 mg/L	0.1 mg/L
Sodium	22.7 mg/L	20 mg/L
Dissolved Metals		
Lead	0.100 mg/L	0.025 mg/L
Manganese	0.337 ug/L	0.3 mg/L
Sodium	24.3 ug/L	20 mg/L

MW-3		
VOCs	Result	TOGS
Methylene Chloride	9.8 ug/L	5 ug/L
Tetrachloroethene	18 ug/L	5 ug/L
Metals		
Chromium	0.113 mg/L	0.05 mg/L
Copper	0.274 mg/L	0.2 mg/L
Iron	77.1 mg/L	0.3 mg/L
Lead	0.0905 mg/L	0.025 mg/L
Manganese	2.76 mg/L	0.3 mg/L
Nickel	0.131 mg/L	0.1 mg/L
Sodium	58.4 mg/L	20 mg/L
Dissolved Metals		
Manganese	0.310 ug/L	0.3 mg/L
Sodium	58.2 ug/L	20 mg/L

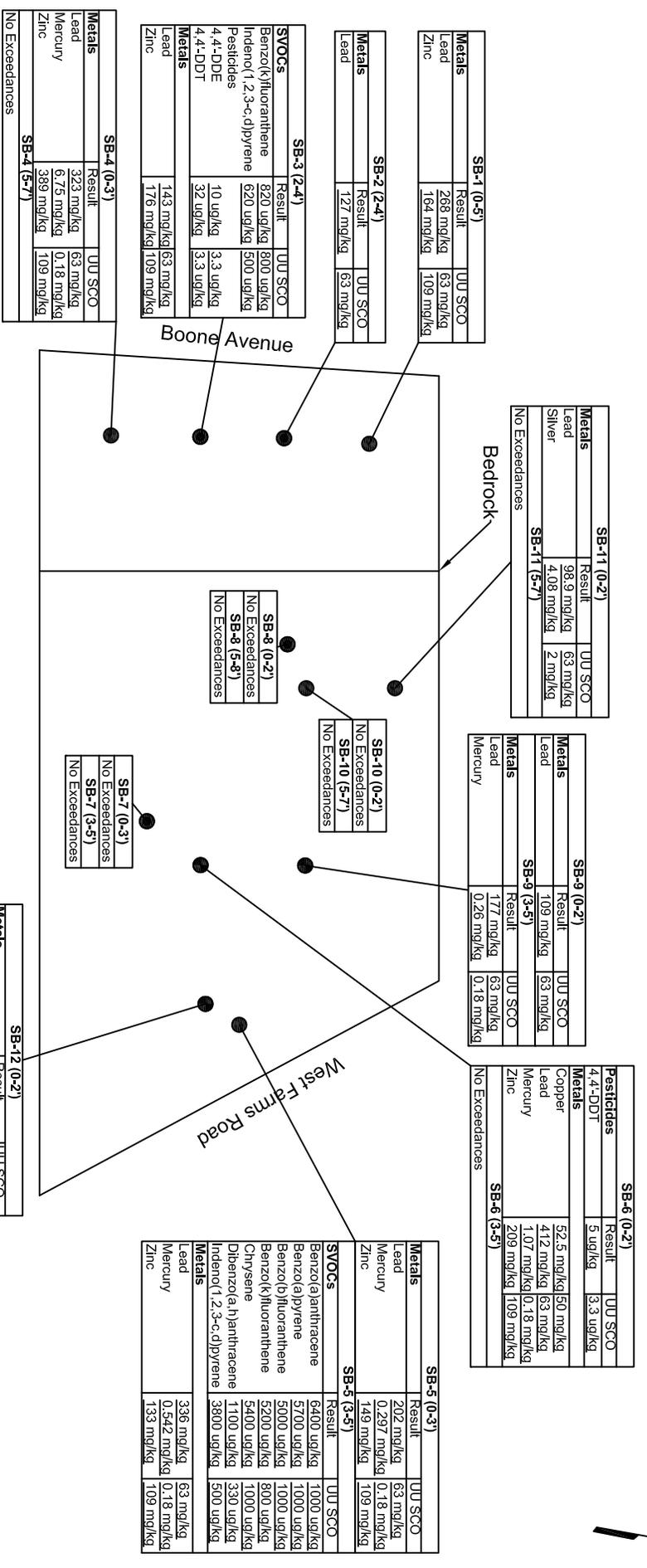
Legend

Groundwater Monitoring Well



TOGS - NYSDEC Technical and Operational Guidance Series
 (1.1.1) Ambient water Quality Standards and Guidance
 Values and Groundwater Effluent Limitations June 1998

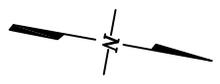
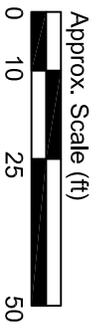
CA RICH CONSULTANTS, INC.	
Environmental Specialists Since 1982	
17 Dupont Street, Plainville, New York 11803	
TITLE: Summary of Groundwater Exceedances over TOGS	
FIGURE: 4	1815 West Farms Road Bronx, NY
DRAWING NO.: 2015-5	
DATE: 10/15/2015	DRAWN BY: T.R.B.
SCALE: As Shown	APPR. BY: V.W.



Legend

- Soil Boring

UU SCO - 6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6; Table 375-6.8(a): Unrestricted Use Soil Cleanup Objectives



CA RICH CONSULTANTS, INC.	
Environmental Specialists Since 1982	
17 Dupont Street, Plainville, New York 11803	
TITLE:	Summary of Soil Exceedances over Unrestricted Use
FIGURE:	5
DRAWING NO.:	2015-6
DATE:	10/15/2015
SCALE:	As Shown
DRAWN BY:	T.R.B.
APPR. BY:	V.W.



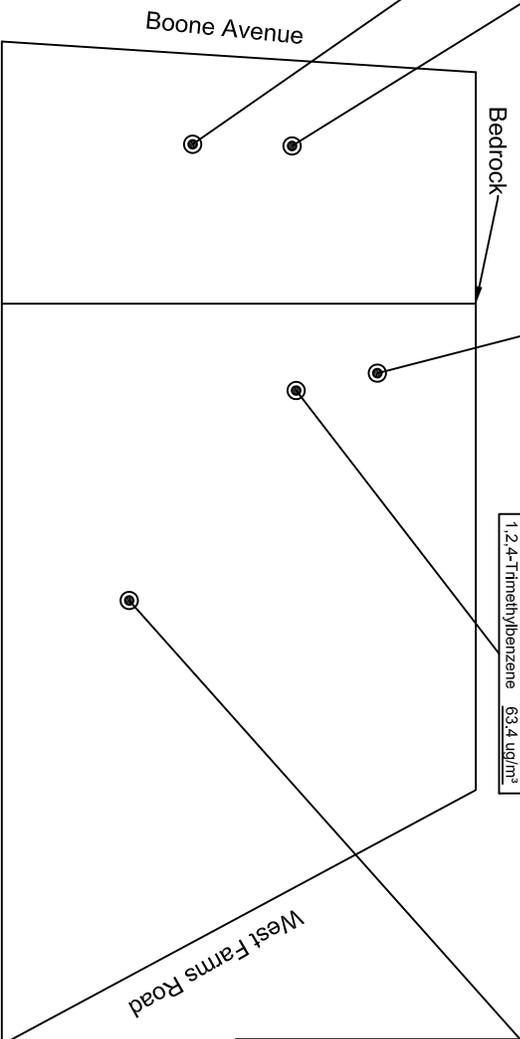
SV-1	
VOCs	
Dichlorodifluoromethane	1.55 ug/m ³
Chloromethane	0.63 ug/m ³
Ethanol	125 ug/m ³
Acetone	18.4 ug/m ³
Trichlorofluoromethane	2.29 ug/m ³
Isopropanol	2.13 ug/m ³
Tertiary butyl Alcohol	2.27 ug/m ³
Methylene chloride	5.21 ug/m ³
Carbon disulfide	1.08 ug/m ³
2-Butanone	9.41 ug/m ³
Tetrahydrofuran	1.75 ug/m ³
n-Hexane	8.11 ug/m ³
Benzene	23.2 ug/m ³
Cyclohexane	7.02 ug/m ³
Trichloroethene	29.3 ug/m ³
2,2,4-Trimethylpentane	3.99 ug/m ³
Heptane	198 ug/m ³
Toluene	7.17 ug/m ³
2-Hexanone	1.04 ug/m ³
Tetrachloroethene	4.9 ug/m ³
Ethylbenzene	44.3 ug/m ³
p/m-Xylene	155 ug/m ³
Styrene	1.37 ug/m ³
o-Xylene	49.5 ug/m ³
4-Ethyltoluene	1.1 ug/m ³
1,3,5-Trimethylbenzene	8.11 ug/m ³
1,2,4-Trimethylbenzene	31.1 ug/m ³

SV-5	
VOCs	
Dichlorodifluoromethane	2.25 ug/m ³
Chloromethane	0.613 ug/m ³
Ethanol	102 ug/m ³
Acetone	26.8 ug/m ³
Trichlorofluoromethane	11.5 ug/m ³
Isopropanol	1.89 ug/m ³
Tertiary butyl Alcohol	5.61 ug/m ³
Methylene chloride	8.52 ug/m ³
Carbon disulfide	1.59 ug/m ³
2-Butanone	5.71 ug/m ³
Tetrahydrofuran	19.9 ug/m ³
n-Hexane	3.06 ug/m ³
Benzene	2.83 ug/m ³
Cyclohexane	3.06 ug/m ³
Trichloroethene	2.83 ug/m ³
2,2,4-Trimethylpentane	5.66 ug/m ³
Heptane	172 ug/m ³
Toluene	1.62 ug/m ³
2-Hexanone	1.07 ug/m ³
Tetrachloroethene	38.8 ug/m ³
Ethylbenzene	132 ug/m ³
p/m-Xylene	1.05 ug/m ³
Styrene	42.9 ug/m ³
o-Xylene	9.68 ug/m ³
4-Ethyltoluene	6.69 ug/m ³
1,3,5-Trimethylbenzene	25.8 ug/m ³
1,2,4-Trimethylbenzene	25.8 ug/m ³

SV-4	
VOCs	
Dichlorodifluoromethane	1.57 ug/m ³
1,3-Butadiene	0.675 ug/m ³
Ethanol	143 ug/m ³
Acetone	49.2 ug/m ³
Trichlorofluoromethane	10.6 ug/m ³
Isopropanol	3.2 ug/m ³
Tertiary butyl Alcohol	22.3 ug/m ³
Methylene chloride	1.74 ug/m ³
Carbon disulfide	1.56 ug/m ³
2-Butanone	12.7 ug/m ³
Tetrahydrofuran	4.87 ug/m ³
n-Hexane	9.83 ug/m ³
Benzene	32.9 ug/m ³
Cyclohexane	4.96 ug/m ³
Trichloroethene	1.36 ug/m ³
2,2,4-Trimethylpentane	6.63 ug/m ³
Heptane	9.14 ug/m ³
Toluene	277 ug/m ³
2-Hexanone	1.87 ug/m ³
Tetrachloroethene	7.59 ug/m ³
Ethylbenzene	73.8 ug/m ³
p/m-Xylene	266 ug/m ³
Styrene	3.1 ug/m ³
o-Xylene	91.2 ug/m ³
4-Ethyltoluene	21.8 ug/m ³
1,3,5-Trimethylbenzene	17.1 ug/m ³
1,2,4-Trimethylbenzene	63.4 ug/m ³

SV-3	
VOCs	
1,3-Butadiene	2.88 ug/m ³
Ethanol	232 ug/m ³
Acetone	97.2 ug/m ³
Trichlorofluoromethane	4.65 ug/m ³
Isopropanol	4.55 ug/m ³
Tertiary butyl Alcohol	16.7 ug/m ³
Methylene chloride	4.48 ug/m ³
Carbon disulfide	11.8 ug/m ³
2-Butanone	20.5 ug/m ³
Tetrahydrofuran	7.26 ug/m ³
n-Hexane	17.2 ug/m ³
1,1,1-Trichloroethane	1.27 ug/m ³
Benzene	55.3 ug/m ³
Cyclohexane	12.2 ug/m ³
2,2,4-Trimethylpentane	8.4 ug/m ³
Heptane	15.3 ug/m ³
4-Methyl-2-pentanone	2.83 ug/m ³
Toluene	375 ug/m ³
2-Hexanone	1.59 ug/m ³
Tetrachloroethene	1.88 ug/m ³
Ethylbenzene	94.7 ug/m ³
p/m-Xylene	294 ug/m ³
Styrene	2.49 ug/m ³
o-Xylene	94.3 ug/m ³
4-Ethyltoluene	21.3 ug/m ³
1,3,5-Trimethylbenzene	16.1 ug/m ³
1,2,4-Trimethylbenzene	59.5 ug/m ³

SV-2	
VOCs	
Dichlorodifluoromethane	1.31 ug/m ³
Ethanol	148 ug/m ³
Acetone	57.7 ug/m ³
Trichlorofluoromethane	2.69 ug/m ³
Isopropanol	2.56 ug/m ³
Tertiary butyl Alcohol	6.67 ug/m ³
Methylene chloride	4.45 ug/m ³
Carbon disulfide	3.18 ug/m ³
2-Butanone	15.4 ug/m ³
Tetrahydrofuran	3.42 ug/m ³
n-Hexane	9.52 ug/m ³
Benzene	34.2 ug/m ³
Cyclohexane	7.57 ug/m ³
2,2,4-Trimethylpentane	5.37 ug/m ³
Heptane	9.59 ug/m ³
Toluene	282 ug/m ³
2-Hexanone	3.32 ug/m ³
Tetrachloroethene	6.85 ug/m ³
Ethylbenzene	75.1 ug/m ³
p/m-Xylene	268 ug/m ³
Styrene	3.04 ug/m ³
o-Xylene	88.6 ug/m ³
4-Ethyltoluene	21 ug/m ³
1,3,5-Trimethylbenzene	15.1 ug/m ³
1,2,4-Trimethylbenzene	56 ug/m ³



Legend
 ● Soil Vapor Sample



CA RICH CONSULTANTS, INC.
 Environmental Specialists Since 1982
 17 Dupont Street, Plainville, New York 11803

Summary of Detections in Soil Vapor

FIGURE: 6
 DRAWING NO: 2015-7

1815 West Farms Road
 Bronx, NY

DATE: 10/15/2015
 SCALE: As Shown
 DRAWN BY: T.R.B.
 APPR. BY: V.W.

TABLES

Table 1 Summary of Volatile Organic Compounds in Groundwater 1815 West Farms Road Bronx, NY								
VOC's	Sample ID:	Units	MW-1	MW-2	MW-3	Field Blank	Trip Blank	Q
	Sampling Date:		9/14/2015	9/14/2015	9/14/2015	9/14/2015	9/14/2015	
TOGS			Q	Q	Q	Q	Q	
1,1,1,2-Tetrachloroethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,1-Trichloroethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2,2-Tetrachloroethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloro-1,2,2-trifluoro	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloroethene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	1	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichlorobenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,3-Trichloropropane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4,5-Tetramethylbenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trichlorobenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2,4-Trimethylbenzene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromo-3-chloropropane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dibromoethane	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloroethane	0.6	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3,5-Trimethylbenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,3-dichloropropane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dioxane	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2,2-Dichloropropane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Butanone	NA	PPB	1 U	1 U	1 U	1 U	1 U	1 U
2-Chloroethyl vinyl ether	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorotoluene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
2-Hexanone	NA	PPB	1 U	1 U	1 U	1 U	1 U	1 U
2-Propanol	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorotoluene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Isopropyltoluene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
4-Methyl-2-pentanone	NA	PPB	1 U	1 U	1 U	1 U	1 U	1 U
Acetone	50	PPB	2.8 B	2.3 B	3.2 B	2.6 B	2.7 B	2.7 B
Benzene	1	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromochloromethane	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromodichloromethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromomethane	5	PPB	1 U	1 U	1 U	1 U	1 U	1 U
Carbon disulfide	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Carbon tetrachloride	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorodifluoromethane	NA	PPB	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U	0.3 U
Chloroethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloroform	7	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chloromethane	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
cis-1,2-Dichloroethene	5	PPB	0.5 U	0.5 U	1.6 J	0.5 U	0.5 U	0.5 U
cis-1,3-Dichloropropene	0.4	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cyclohexane	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromochloromethane	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dichlorodifluoromethane	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Diisopropyl ether	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Ethanol	NA	PPB	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Freon-114	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Isopropylbenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
m,p-Xylene	5	PPB	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methyl tert-butyl ether	10	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Methylene chloride	5	PPB	10 B	9 B	9.8 B	9.8 B	11 B	11 B
Naphthalene	10	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Butylbenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
n-Propylbenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
o-Xylene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Diethylbenzene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
p-Ethyltoluene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
sec-Butylbenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Styrene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
t-Butyl alcohol	NA	PPB	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
tert-Butylbenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Tetrachloroethene	5	PPB	0.5 U	0.98 J	1.8 *	0.5 U	0.5 U	0.5 U
Toluene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,2-Dichloroethene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
trans-1,3-Dichloropropene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichloroethene	5	PPB	0.5 U	0.5 U	1.6 J	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl acetate	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Vinyl chloride	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Notes **NYSDEC Technical and Operational Guidance Series (1.1.1)

Q - Qualifier
U - Not Detected
NA - Not Available
J - Estimated Value
* - Calibration exceeds method requirement.
B - The analyte was detected in the associated method blank.

Ambient water Quality Standards and Guidance Values and Groundwater Effluent Limitations June 1998
Value detected above NY TOGs limit.

All concentrations are reported in micrograms per liter (ug/L) or parts per billion.

Table 2
Summary of Semi-Volatile Organic Compounds in Groundwater
1815 West Farms Road
Bronx, NY

Sample ID	Sampling Date:	MW-1	MW-2	MW-3	Field Blank	
					9/14/2015	9/14/2015
TOGS*	Unit	Q	Q	Q	Q	Q
SVOC's						
1,2,4-Trichlorobenzene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichlorobenzene	3	PPB	0.5 U	0.5 U	0.5 U	0.5 U
1,3-Dichlorobenzene	3	PPB	0.5 U	0.5 U	0.5 U	0.5 U
1,4-Dichlorobenzene	3	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2,4,5-Trichlorophenol	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2,4,6-Trichlorophenol	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dichlorophenol	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2,4-Dimethylphenol	50	PPB	1 U	1 U	1 U	1 U
2,4-Dinitrophenol	10	PPB	1 U	1 U	1 U	1 U
2,4-Dinitrotoluene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2,6-Dinitrotoluene	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2-Chloronaphthalene	10	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2-Chlorophenol	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylnaphthalene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2-Methylphenol	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitroaniline	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
2-Nitrophenol	NA	PPB	1 U	1 U	1 U	1 U
3,3'-Dichlorobenzidine	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
3+4-Methylphenol	1	PPB	0.5 U	0.5 U	0.5 U	0.5 U
3-Nitroaniline	5	PPB	1 U	1 U	1 U	1 U
4,6-Dinitro-2-methylphenol	NA	PPB	1 U	1 U	1 U	1 U
4-Bromophenyl phenyl ether	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloro-3-methylphenol	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
4-Chloroaniline	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
4-Chlorophenyl phenyl ether	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitroaniline	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
4-Nitrophenol	NA	PPB	1 U	1 U	1 U	1 U
Acenaphthene	20	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Acenaphthylene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Acetophenone	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Aniline	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Anthracene	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Atrazine	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Azobenzene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Benzaldehyde	NA	PPB	1 U	1 U	1 U	1 U
Benzidine	NA	PPB	1 U	1 U	1 U	1 U
Benzo(a)anthracene	0.002	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(a)pyrene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(b)fluoranthene	0.002	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(g,h,i)perylene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Benzo(k)fluoranthene	0.002	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Benzoic acid	NA	PPB	1 U	1 U	1 U	1 U
Benzyl alcohol	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Biphenyl	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Bis(2-chloroethoxy)methane	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Bis(2-chloroethyl)ether	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Bis(2-chloroisopropyl)ether	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Bis(2-ethylhexyl)phthalate	5	PPB	1 U	1 U	1 U	1 U
Butyl benzyl phthalate	NA	PPB	1 U	1 U	1 U	1 U
Caprolactam	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Carbazole	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Chrysene	0.002	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzo(a,h)anthracene	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Dibenzofuran	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Diethyl phthalate	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Dimethyl phthalate	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-butyl phthalate	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Di-n-octyl phthalate	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Fluoranthene	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Fluorene	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobenzene	0.04	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorobutadiene	0.5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	PPB	1 U	1 U	1 U	1 U
Hexachloroethane	5	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Indeno(1,2,3-c,d)pyrene	0.002	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Isophorone	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Naphthalene	10	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Nitrobenzene	0.4	PPB	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodimethylamine	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodi-n-propylamine	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
N-Nitrosodiphenylamine	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Parathion	NA	PPB	1 U	1 U	1 U	1 U
Pentachlorophenol	NA	PPB	1 U	1 U	1 U	1 U
Phenanthrene	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Phenol	NA	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Pyrene	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Pyridine	50	PPB	0.5 U	0.5 U	0.5 U	0.5 U
Notes						
*NYSDEC Technical and Operational Guidance Series (1.1.1)						
Q - Qualifier Ambient water Quality Standards and Guidance Values and						
NA - Not Available Groundwater Effluent Limitations June 1998						
U - Not Detected						
All concentrations are reported in micrograms per liter (ug/L) or parts per billion.						

Table 3
Summary of Pesticides and PCB's in Groundwater
1815 West Farms Road
Bronx, NY

	Sample ID		MW-1		MW-2		MW-3		Field Blank	
	Sampling Date:		9/14/2015		9/14/2015		9/14/2015		9/14/2015	
PESTICIDES	TOGS*	Units		Q		Q		Q		Q
4,4'-DDD	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
4,4'-DDE	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
4,4'-DDT	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Aldrin	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
alpha-BHC	0.01	PPB	0.01	U	0.01	U	0.01	U	0.01	U
alpha-Chlordane	NA	PPB	0.05	U	0.05	U	0.05	U	0.05	U
beta-BHC	0.04	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Chlorobenzilate	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
DBCP	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
delta-BHC	0.04	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Dieldrin	0.004	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Endosulfan I	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Endosulfan II	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Endosulfan sulfate	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Endrin	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Endrin aldehyde	5	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Endrin ketone	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
gamma-BHC	0.05	PPB	0.01	U	0.01	U	0.01	U	0.01	U
gamma-Chlordane	NA	PPB	0.05	U	0.05	U	0.05	U	0.05	U
Heptachlor	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Heptachlor epoxide	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorobenzene	0.04	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Hexachlorocyclopentadiene	5	PPB	0.03	U	0.03	U	0.03	U	0.03	U
Methoxychlor	NA	PPB	0.01	U	0.01	U	0.01	U	0.01	U
Toxaphene	NA	PPB	0.06	U	0.06	U	0.06	U	0.06	U
PCB's										
Aroclor 1016	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1221	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1232	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1242	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1248	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1254	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1260	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1262	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
Aroclor 1268	0.1	PPB	0.25	U	0.25	U	0.25	U	0.25	U
<u>Notes</u>	*NYSDEC Technical and Operational Guidance Series (1.1.1)									
U - Not Detected	Ambient water Quality Standards and Guidance Values and									
NA - Not Available	Groundwater Effluent Limitations June 1998									
Q - Qualifier										
<i>All concentrations are reported in micrograms per liter (ug/L) or parts per billion.</i>										

**Table 4
Summary of Metals in Groundwater
1815 West Farms Road
Bronx, NY**

	Sample ID		MW-1	MW-2	MW-3	Field Blank
	Sampling Date:		9/14/2015	9/14/2015	9/14/2015	9/14/2015
	TOGS*	Units	Q	Q	Q	Q
METALS						
Aluminum	NA	PPM	111	48.8	47.3	0.005 U
Antimony	0.003	PPM	0.005 U	0.005 U	0.005 U	0.005 U
Arsenic	0.025	PPM	0.0135 J	0.0113 J	0.0135 J	0.01 U
Barium	1	PPM	1.32	0.727	0.885	0.005 U
Beryllium	0.003	PPM	0.005 U	0.005 U	0.005 U	0.005 U
Cadmium	0.005	PPM	0.005 U	0.005 U	0.005 U	0.005 U
Calcium	NA	PPM	84.4	74.1	96.9	0.005 U
Chromium	0.05	PPM	0.211	0.112	0.113	0.005 U
Cobalt	NA	PPM	0.0155 J	0.005 U	0.012 J	0.005 U
Copper	0.2	PPM	0.619	0.297	0.274	0.005 U
Iron	0.3	PPM	139	81.1	77.1	0.005 U
Lead	0.025	PPM	0.83	0.344	0.0905	0.005 U
Magnesium	35	PPM	48.6	25.6	32.1	0.005 U
Manganese	0.3	PPM	3.63	2.19	2.76	0.005 U
Mercury	0.0007	PPM	0.00015 U	0.00015 U	0.00015 U	0.00015 U
Nickel	0.1	PPM	0.329	0.152	0.131	0.005 U
Potassium	NA	PPM	42.5	18.9	24.9	0.05 U
Selenium	0.01	PPM	0.01 U	0.01 U	0.01 U	0.01 U
Silver	0.05	PPM	0.005 U	0.005 U	0.005 U	0.005 U
Sodium	20	PPM	28.3	22.7	58.4	0.01 U
Thallium	0.0005	PPM	0.01 U	0.01 U	0.01 U	0.01 U
Vanadium	NA	PPM	0.242	0.128	0.129	0.005 U
Zinc	2	PPM	0.639	0.27	0.343	0.005 U
DISSOLVED METALS						
Aluminum	NA	PPM	0.0577	0.0627	0.0620	
Antimony	0.003	PPM	0.00500 U	0.00500 U	0.00500 U	U
Arsenic	0.025	PPM	0.0100 U	0.0100 U	0.0100 U	U
Barium	1	PPM	0.221	0.204	0.482	
Beryllium	0.003	PPM	0.00500 U	0.00500 U	0.00500 U	U
Cadmium	0.005	PPM	0.00500 U	0.00500 U	0.00500 U	U
Calcium	NA	PPM	77.7	74.0	99.5	
Chromium	0.05	PPM	0.00500 U	0.00500 U	0.00500 U	U
Cobalt	NA	PPM	0.00500 U	0.00500 U	0.00500 U	U
Copper	0.2	PPM	0.00811 J	0.00500 U	0.00500 U	U
Iron	0.3	PPM	0.0599	0.0539	0.0964	
Lead	0.025	PPM	0.306	0.100	0.00933 J	J
Magnesium	35	PPM	12.2	12.2	17.9	
Manganese	0.3	PPM	0.357	0.337	0.310	
Mercury	0.0007	PPM	0.000170 U	0.000170 U	0.000170 U	U
Nickel	0.1	PPM	0.00500 U	0.00500 U	0.00500 U	U
Potassium	NA	PPM	10.6	10.4	15.4	
Selenium	0.01	PPM	0.0100 U	0.0100 U	0.0100 U	U
Silver	0.05	PPM	0.00500 U	0.00500 U	0.00500 U	U
Sodium	20	PPM	27.4	24.3	58.2	
Thallium	0.0005	PPM	0.0100 U	0.0100 U	0.0100 U	U
Vanadium	NA	PPM	0.00500 U	0.00500 U	0.00500 U	U
Zinc	2	PPM	0.0181 J	0.0145 J	0.0371	
Notes			*NYSDEC Technical and Operational Guidance Series (1.1.1)			
Q - Qualifier			Ambient water Quality Standards and Guidance Values and			
NA - Not Available			Groundwater Effluent Limitations June 1998			
J - Estimated Value			Value detected above NY TOGs limit.			
U - Not Detected						
<i>All concentrations are reported in milligrams per liter (mg/L) or parts per million.</i>						

Table 5
Summary of Volatile Organic Compounds in Soil Samples
1815 West Farms Road
Bronx, NY

VOC	Unr. Use*	Sample ID Sampling Date: Rest. Res.**	Units	SB-1 (0-5) 9/10/2015		SB-2 (2-4) 9/10/2015		SB-3 (2-4) 9/10/2015		SB-4 (0-3) 9/10/2015		SB-4 (5-7) 9/10/2015		SB-5 (0-3) 9/10/2015		SB-5 (3-5) 9/10/2015		SB-6 (0-2) 9/10/2015		SB-6 (3-5) 9/10/2015		SB-7 (0-3) 9/10/2015		SB-7 (3-5) 9/10/2015			
				Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
1,1,1,2-Tetrachloroethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,1,1-Trichloroethane	680	100000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,1,2,2-Tetrachloroethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,1,2-Trichloro-1,2,2-trifluoroet	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,1,2-Trichloroethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,1-Dichloroethane	270	26000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,1-Dichloroethene	330	100000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,1-Dichloropropene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2,3-Trichlorobenzene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2,3-Trichloropropane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2,4,5-Tetramethylbenzene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2,4-Trichlorobenzene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2,4-Trimethylbenzene	3600	52000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2-Dibromo-3-chloropropane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2-Dibromoethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2-Dichlorobenzene	1100	100000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2-Dichloroethane	20	3100	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,2-Dichloropropane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,3,5-Trimethylbenzene	8400	52000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,3-Dichlorobenzene	2400	49000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,3-dichloropropane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,4-Dichlorobenzene	1800	13000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
1,4-Dioxane	100	13000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
2,2-Dichloropropane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
2-Butanone	120	100000	PPB	5.1	U	5.1	U	5.4	U	5.4	U	5.1	U	5.9	U	5.8	U	6.3	U	5.9	U	5.9	U	6	U	6	U
2-Chloroethyl vinyl ether	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
2-Chlorotoluene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
2-Hexanone	NA	NA	PPB	5.1	U	5.1	U	5.4	U	5.4	U	5.1	U	5.9	U	5.8	U	6.3	U	5.9	U	5.9	U	6	U	6	U
2-Propanol	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
4-Chlorotoluene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
4-Isopropyltoluene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
4-Methyl-2-pentanone	NA	NA	PPB	5.1	U	5.1	U	5.4	U	5.4	U	5.1	U	5.9	U	5.8	U	6.3	U	5.9	U	5.9	U	6	U	6	U
Acetone	50	100000	PPB	5.1	U	5.1	U	5.4	U	5.4	U	5.1	U	5.9	U	5.8	U	6.3	U	5.9	U	5.9	U	6	U	6	U
Acrolein	NA	NA	PPB	13	U	15	U	14	U	16	U	15	U	15	U	15	U	15	U								
Acrylonitrile	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Benzene	60	4800	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Bromobenzene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Bromochloromethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Bromodichloromethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Bromoform	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Bromomethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Carbon disulfide	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Carbon tetrachloride	760	2400	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Chlorobenzene	1100	100000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Chlorodifluoromethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Chloroethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Chloroform	370	49000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Chloromethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
cis-1,2-Dichloroethene	250	100000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
cis-1,3-Dichloropropene	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Cyclohexane	NA	NA	PPB	2	U	2	U	2.1	U	2.1	U	2	U	2.3	U	2.3	U	2.5	U	2.4	U	2.4	U	2.4	U	2.4	U
Dibromochloromethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Dibromomethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Dichlorodifluoromethane	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Diisopropyl ether	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Ethanol	NA	NA	PPB	10	U	10	U	11	U	11	U	10	U	12	U	12	U	13	U	12	U	12	U	12	U	12	U
Ethylbenzene	1000	41000	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Freon-114	NA	NA	PPB	1	U	1	U	1.1	U	1.1	U	1	U	1.2	U	1.2	U	1.3	U	1.2	U	1.2	U	1.2	U	1.2	U
Hexachlorobutadiene	NA	NA	PPB	1	U	1	U	1.1	U																		

Table 5 (continued)
Summary of Volatile Organic Compounds in Soil Samples
1815 West Farms Road
Bronx, NY

VOC	Unr. Use*	Sample ID Sampling Date: Rest. Res.**	SB-8 (0-2) 9/10/2015	SB-8 (5-8) 9/10/2015	SB-9 (0-2) 9/11/2015	SB-9 (3-5) 9/11/2015	SB-10 (0-2) 9/11/2015	SB-10 (5-7) 9/11/2015	SB-11 (0-2) 9/11/2015	SB-11 (5-7) 9/11/2015	SB-12 (0-2) 9/11/2015	SB-12 (3-5) 9/11/2015	Units						
													Q	Q					
1,1,1,2-Tetrachloroethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.3	U
1,1,1-Trichloroethane	680	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,1,2,2-Tetrachloroethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.2	U
1,1,2-Trichloro-1,2,2-trifluoroeth	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,1,2-Trichloroethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.2	U
1,1-Dichloroethane	270	26000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,1-Dichloroethene	330	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,1-Dichloropropene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2,3-Trichlorobenzene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2,3-Trichloropropane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2,4,5-Tetramethylbenzene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2,4-Trichlorobenzene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2,4-Trimethylbenzene	3600	52000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2-Dibromo-3-chloropropane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2-Dibromoethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2-Dichlorobenzene	1100	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2-Dichloroethane	20	3100	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,2-Dichloropropane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,3,5-Trimethylbenzene	8400	52000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,3-Dichlorobenzene	2400	49000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,3-dichloropropane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,4-Dichlorobenzene	1800	13000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
1,4-Dioxane	100	13000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
2,2-Dichloropropane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
2-Butanone	120	100000	PPB	5.4	U	5.4	U	5.7	U	5.9	U	5.3	U	5.4	U	5.8	U	5.5	U
2-Chloroethyl vinyl ether	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
2-Chlorotoluene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
2-Hexanone	NA	NA	PPB	5.4	U	5.4	U	5.7	U	5.9	U	5.3	U	5.4	U	5.8	U	5.5	U
2-Propanol	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
4-Chlorotoluene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
4-Isopropyltoluene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
4-Methyl-2-pentanone	NA	NA	PPB	5.4	U	5.4	U	5.7	U	5.9	U	5.3	U	5.4	U	5.8	U	5.5	U
Acetone	50	100000	PPB	5.4	U	5.4	U	5.7	U	5.9	U	5.3	U	5.4	U	5.8	U	5.5	U
Acrolein	NA	NA	PPB	13	U	13	U	14	U	15	U	13	U	14	U	15	U	14	U
Acrylonitrile	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Benzene	60	4800	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Bromobenzene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Bromochloromethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Bromodichloromethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Bromoform	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Bromomethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Carbon disulfide	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Carbon tetrachloride	760	2400	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Chlorobenzene	1100	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Chlorodifluoromethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Chloroethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Chloroform	370	49000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Chloromethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
cis-1,2-Dichloroethene	250	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
cis-1,3-Dichloropropene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Cyclohexane	NA	NA	PPB	2.1	U	2.1	U	2.3	U	2.4	U	2.1	U	2.2	U	2.3	U	2.2	U
Dibromochloromethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Dibromomethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Dichlorodifluoromethane	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Diisopropyl ether	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Ethanol	NA	NA	PPB	11	U	11	U	11	U	12	U	11	U	11	U	12	U	11	U
Ethylbenzene	1000	41000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Freon-114	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Hexachlorobutadiene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Isopropylbenzene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
m,p-Xylene	260	100000	PPB	2.1	U	2.1	U	2.3	U	2.4	U	2.1	U	2.2	U	2.3	U	2.2	U
Methyl Acetate	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Methyl tert-butyl ether	930	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Methylene chloride	50	100000	PPB	6.8	B	5.9	B	6.8	B	6.2	B	5.7	B	5.9	B	6.1	B	5.8	B
Naphthalene	12000	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
n-Butylbenzene	12000	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
n-Propylbenzene	3900	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
o-Xylene	260	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
p-Diethylbenzene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
p-Ethyltoluene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
sec-Butylbenzene	11000	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Styrene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
t-Butyl alcohol	NA	NA	PPB	2.7	U	2.7	U	2.9	U	3	U	2.7	U	2.7	U	2.9	U	2.8	U
tert-Butylbenzene	5900	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Tetrachloroethene	1300	19000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Toluene	700	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
trans-1,2-Dichloroethene	190	100000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
trans-1,3-Dichloropropene	NA	NA	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U
Trichloroethene	470	21000	PPB	1.1	U	1.1	U	1.1	U	1.2	U	1.1	U	1.1	U	1.2	U	1.1	U

Table 6
Summary of Semi-Volatile Organic Compounds
1815 West Farms Road
Bronx, NY

SVOC	Unr. Use	Sample ID	Rest. Res.	Units	SB-1 (0-5')		SB-2 (2-4')		SB-3 (2-4')		SB-4 (0-3')		SB-4 (5-7')		SB-5 (0-3')		SB-5 (3-5')		SB-6 (0-2')		SB-6 (3-5')		SB-7 (0-3')		SB-7 (3-5')		
					9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015	Q	9/10/2015
1,2,4-Trichlorobenzene	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
1,2-Dichlorobenzene	1100	100000	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
1,3-Dichlorobenzene	2400	49000	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
1,4-Dichlorobenzene	1800	13000	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2,4,5-Trichlorophenol	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2,4,6-Trichlorophenol	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2,4-Dichlorophenol	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2,4-Dimethylphenol	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2,4-Dinitrophenol	NA	NA	PPB	53	U	52	U	53	U	53	U	51	U	59	U	58	U	62	U	60	U	60	U	60	U	60	U
2,4-Dinitrotoluene	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2,6-Dinitrotoluene	NA	NA	PPB	53	U	52	U	53	U	53	U	51	U	59	U	58	U	62	U	60	U	60	U	60	U	60	U
2-Chloronaphthalene	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2-Chlorophenol	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2-Methylnaphthalene	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	38	J	44	J	31	U	30	U	30	U	30	U	30	U
2-Methylphenol	330	100000	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2-Nitroaniline	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
2-Nitrophenol	NA	NA	PPB	53	U	52	U	53	U	53	U	51	U	59	U	58	U	62	U	60	U	60	U	60	U	60	U
3,3'-Dichlorobenzidine	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
3,4,4-Methylphenol	330	100000	PPB	26	U	26	U	26	U	27	U	26	U	29	U	50	J	31	U	30	U	30	U	30	U	30	U
3-Nitroaniline	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
4,6-Dinitro-2-methylphenol	NA	NA	PPB	53	U	52	U	53	U	53	U	51	U	59	U	58	U	62	U	60	U	60	U	60	U	60	U
4-Bromophenyl phenyl ether	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
4-Chloro-3-methylphenol	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
4-Chloroaniline	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
4-Chlorophenyl phenyl ether	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
4-Nitroaniline	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
4-Nitrophenol	NA	NA	PPB	53	U	52	U	53	U	53	U	51	U	59	U	58	U	62	U	60	U	60	U	60	U	60	U
Acenaphthene	20000	100000	PPB	26	U	26	U	68	J	27	U	26	U	29	U	54	J	44	J	30	U	30	U	30	U	30	U
Acenaphthylene	100000	100000	PPB	40	J	26	U	200	J	58	J	26	U	92	J	520	J	69	J	30	U	30	U	30	U	30	U
Acetophenone	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Aniline	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Anthracene	100000	100000	PPB	61	J	26	U	200	J	80	J	26	U	96	J	1200	J	120	J	30	U	30	U	30	U	30	U
Atrazine	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Azobenzene	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Benzaldehyde	NA	NA	PPB	53	U	52	U	53	U	53	U	51	U	59	U	58	U	62	U	60	U	60	U	60	U	60	U
Benzo(a)anthracene	1000	1000	PPB	230	J	100	J	860	m	460	m	26	U	520	m	6400	D	440	m	30	U	30	U	30	U	30	U
Benzo(a)pyrene	1000	1000	PPB	230	J	100	J	840	m	480	m	26	U	520	m	5700	D	390	m	30	U	30	U	30	U	30	U
Benzo(b)fluoranthene	1000	1000	PPB	240	J	120	J	880	m	490	m	26	U	480	m	5000	D	390	m	30	U	30	U	30	U	30	U
Benzo(g,h,i)perylene	100000	100000	PPB	170	J	73	J	600	m	310	m	26	U	330	m	3200	D	230	J	30	U	30	U	30	U	30	U
Benzo(k)fluoranthene	800	3900	PPB	240	J	93	J	820	m	460	m	26	U	500	m	6200	D	390	m	30	U	30	U	30	U	30	U
Benzoic acid	NA	NA	PPB	53	U	52	U	53	U	53	U	51	U	59	U	58	U	62	U	60	U	60	U	60	U	60	U
Benzyl alcohol	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Biphenyl	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Bis(2-chloroethoxy)methane	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Bis(2-chloroethyl)ether	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Bis(2-chloroisopropyl)ether	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Bis(2-ethylhexyl)phthalate	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	74	J	29	U	31	U	30	U	30	U	30	U	30	U
Butyl benzyl phthalate	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	800	J	29	U	410	J	99	J	30	U	30	U	30	U
Caprolactam	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Carbazole	NA	NA	PPB	26	U	26	U	97	J	40	J	26	U	40	J	160	J	50	J	30	U	30	U	30	U	30	U
Chrysene	1000	3900	PPB	260	J	120	J	900	m	560	m	26	U	510	m	5400	D	490	m	30	U	30	U	30	U	30	U
Dibenzo(a,h)anthracene	330	330	PPB	48	J	26	U	170	m	100	J	26	U	97	J	1100	D	77	J	30	U	30	U	30	U	30	U
Dibenzofuran	7000	59000	PPB	26	U	26	U	43	J	27	U	26	U	29	U	76	J	31	U	30	U	30	U	30	U	30	U
Diethyl phthalate	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Dimethyl phthalate	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Di-n-butyl phthalate	NA	NA	PPB	28	J	26	U	36	J	64	J	26	U	81	J	29	U	58	J	30	U	30	U	30	U	30	U
Di-n-octyl phthalate	NA	NA	PPB	53	U	52	U	53	U	53	U	51	U	59	U	58	U	62	U	60	U	60	U	60	U	60	U
Fluoranthene	100000	100000	PPB	440	J	210	J	1600	m	810	m	31	J	930	D	12000	D	990	D	30	U	30	U	30	U	30	U
Fluorene	30000	100000	PPB	26	U	26	U	72	J	28	J	26	U	29	U	170	J	41	J	30	U	30	U	30	U	30	U
Hexachlorobenzene	330	1200	PPB	26	U	26	U	26	U	27	U	26	U	29	U	29	U	31	U	30	U	30	U	30	U	30	U
Hexachlorobutadiene	NA	NA	PPB	26	U	26	U	26	U	27	U	26	U														

Table 6 (continued)
Summary of Semi-Volatile Organic Compounds
1815 West Farms Road
Bronx, NY

SVOC	Unr. Use*	Sample ID Sampling Date: Rest. Res.**	Units	SB-8 (0-2')		SB-8 (5-8')		SB-9 (0-2')		SB-9 (3-5')		SB-10 (0-2')		SB-10 (5-7')		SB-11 (0-2')		SB-11 (5-7')		SB-12 (0-2')		SB-12 (3-5')	
				9/10/2015	Q	9/10/2015	Q	9/11/2015	Q	9/11/2015	Q	9/11/2015	Q	9/11/2015	Q	9/11/2015	Q	9/11/2015	Q	9/11/2015	Q	9/11/2015	Q
1,2,4-Trichlorobenzene	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
1,2-Dichlorobenzene	1100	100000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
1,3-Dichlorobenzene	2400	49000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
1,4-Dichlorobenzene	1800	13000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2,4,5-Trichlorophenol	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2,4,6-Trichlorophenol	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2,4-Dichlorophenol	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2,4-Dimethylphenol	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2,4-Dinitrophenol	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
2,4-Dinitrotoluene	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2,6-Dinitrotoluene	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
2-Chloronaphthalene	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2-Chlorophenol	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2-Methylnaphthalene	NA	NA	PPB	28	U	27	U	43	J	30	U	31	J	27	U	29	U	28	U	29	U	32	U
2-Methylphenol	330	100000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2-Nitroaniline	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
2-Nitrophenol	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
3,3'-Dichlorobenzidine	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
3+4-Methylphenol	330	100000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
3-Nitroaniline	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
4,6-Dinitro-2-methylphenol	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
4-Bromophenyl phenyl ether	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
4-Chloro-3-methylphenol	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
4-Chloroaniline	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
4-Chlorophenyl phenyl ether	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
4-Nitroaniline	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
4-Nitrophenol	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
Acenaphthene	20000	100000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Acenaphthylene	100000	100000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	31	J	32	U
Acetophenone	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Aniline	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Anthracene	100000	100000	PPB	28	U	27	U	40	J	30	U	27	U	27	U	29	U	28	U	31	J	32	U
Atrazine	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Azobenzene	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Benzaldehyde	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
Benzidine	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
Benzo(a)anthracene	1000	1000	PPB	28	U	27	U	140	J	33	J	27	U	27	U	29	U	28	U	190	J	32	U
Benzo(a)pyrene	1000	1000	PPB	28	U	27	U	120	J	30	J	27	U	27	U	29	U	28	U	160	J	32	U
Benzo(b)fluoranthene	1000	1000	PPB	28	U	27	U	110	J	32	J	27	U	27	U	29	U	28	U	170	J	32	U
Benzo(g,h,i)perylene	100000	100000	PPB	28	U	27	U	79	J	30	J	35	J	27	U	29	U	28	U	120	J	32	U
Benzo(k)fluoranthene	800	3900	PPB	28	U	27	U	120	J	30	J	27	U	27	U	29	U	28	U	160	J	32	U
Benzoic acid	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	91	J
Benzyl alcohol	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Biphenyl	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Bis(2-chloroethoxy)methane	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Bis(2-chloroethyl)ether	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Bis(2-chloroisopropyl)ether	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Bis(2-ethylhexyl)phthalate	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	30	J	28	U	29	U	32	U
Butyl benzyl phthalate	NA	NA	PPB	43	J	27	U	62	J	30	U	27	U	27	U	29	U	28	U	350	J	32	U
Caprolactam	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Carbazole	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Chrysene	1000	3900	PPB	28	U	27	U	180	J	43	J	27	U	27	U	29	U	28	U	220	J	32	U
Dibenzofuran	7000	59000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	36	J	32	U
Dibenzofuran	7000	59000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Diethyl phthalate	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	34	J	29	U	28	U	29	U	32	U
Dimethyl phthalate	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Di-n-butyl phthalate	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	37	J	32	U
Di-n-octyl phthalate	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
Fluoranthene	100000	100000	PPB	28	U	27	U	230	J	84	J	27	U	27	U	29	U	28	U	360	J	40	J
Fluorene	30000	100000	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Hexachlorobenzene	330	1200	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Hexachlorobutadiene	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Hexachlorocyclopentadiene	NA	NA	PPB	55	U	53	U	58	U	60	U	55	U	55	U	58	U	56	U	58	U	63	U
Hexachloroethane	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Indeno(1,2,3-c,d)pyrene	500	500	PPB	28	U	27	U	75	J	30	U	27	U	27	U	29	U	28	U	130	J	32	U
Isophorone	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
Naphthalene	12000	100000	PPB	28	U	27	U	46	J	30	U	27	U	27	U	29	U	28	U	41	J	32	U
Nitrobenzene	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
N-Nitrosodimethylamine	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
N-Nitrosodi-n-propylamine	NA	NA	PPB	28	U	27	U	29	U	30	U	27	U	27	U	29	U	28	U	29	U	32	U
N-Nitrosodiphenylamine	NA	NA	PPB	28																			

Table 8 Summary of Metals in Soil Samples 1815 West Farms Road Bronx, NY															
METALS	Unr. Use*	Sample ID: Sampling Date: Res. Res.**	Unit	SB-1 (0-5')	SB-2 (2-4')	SB-3 (2-4')	SB-4 (0-3')	SB-4 (5-7')	SB-5 (0-3')	SB-5 (3-5')	SB-6 (0-2')	SB-6 (3-5')	SB-7 (0-3')	SB-7 (3-5')	
				9/10/2015	9/10/2015	9/10/2015	9/10/2015	9/10/2015	9/10/2015	9/10/2015	9/10/2015	9/10/2015	9/10/2015	9/10/2015	9/10/2015
				Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Aluminum	NA	NA	PPM	12300 D	12500 D	12600 D	11900 D	12500 D	11100 D	12600 D	9980 D	13400 D	15800 D	15200 D	
Antimony	NA	NA	PPM	0.207 U	0.21 U	0.21 U	0.21 U	0.199 U	0.23 U	0.489 J	0.243 U	0.237 U	0.239 U	0.241 U	
Arsenic	13	16	PPM	4.44	4.46	4.78	5.89	1.64	5.11	8.3	8.13	3.13	3.47	4.27	
Barium	350	400	PPM	195	78.2	145	150	74.3	116	112	151	63.2	69.2	36.7	
Beryllium	7.2	72	PPM	0.103 U	0.105 U	0.105 U	0.105 U	0.0994 U	0.115 U	0.116 U	0.121 U	0.118 U	0.12 U	0.121 U	
Cadmium	2.5	4.3	PPM	1.01	0.124 J	0.414 J	1.47	0.0994 U	0.844	0.122 J	0.494	0.118 U	0.12 U	0.121 U	
Calcium	NA	NA	PPM	1410	1660	4010	1900	1190	4360	1590	1850	855	837	981	
Chromium	NA	180	PPM	20.1	20.3	19.6	19.3	24.3	17.8	19.2	16.6	13.8	17	18.8	
Cobalt	NA	NA	PPM	0.103 U	0.105 U	0.105 U	0.105 U	0.0994 U	0.115 U	0.116 U	0.121 U	0.118 U	0.12 U	0.121 U	
Copper	50	270	PPM	39.8	23.9	32.3	28.7	43.2	39.5	26.9	52.5	8.89	9.33	11.4	
Iron	NA	NA	PPM	20000 D	17500 D	17600 D	18000 D	20700 D	15700 D	35000 D	14500 D	14500 D	18000 D	19100 D	
Lead	63	400	PPM	268	127	143	323	31.9	202	336	412	32.3	30.4	8.76	
Magnesium	NA	NA	PPM	3030	3050	2720	2780	5590	3110	2370	1760	2240	2860	2900	
Manganese	1600	2000	PPM	322	287	320	353	255	250	337	312	223	245	203	
Mercury	0.18	0.81	PPM	0.115	0.114	0.175	6.75 D	0.0208	0.297	0.542	1.07 D	0.103	0.0653	0.0237	
Nickel	30	310	PPM	18.8	15.7	15.3	16.2	16.9	15.8	14.7	14.5	10.3	13.2	11.6	
Potassium	NA	NA	PPM	1850	1240	1130	1130	3250	1090	1240	709	728	1460	1280	
Selenium	3.9	180	PPM	1.05	0.865	1.02	1.04	0.867	1.02	1.26	1.14	0.655	0.994	0.841	
Silver	2	180	PPM	0.103 U	0.105 U	0.149 J	0.143 J	0.0994 U	0.31 J	0.143 J	0.276 J	0.118 U	0.12 U	0.121 U	
Sodium	NA	NA	PPM	150	82.5	124	114	95	183	199	130	73.3	67.3	47.2	
Thallium	NA	NA	PPM	0.31 U	0.315 U	0.315 U	0.314 U	0.298 U	0.346 U	0.349 U	0.364 U	0.355 U	0.359 U	0.362 U	
Vanadium	NA	NA	PPM	30.5	31.2	28.2	31	41.5	26.4	28.2	30.5	21.7	25.9	31.3	
Zinc	109	10000	PPM	164	98.6	176	389	94.2	149	133	209	57.6	67.1	41.8	

Table 8 (continued) Summary of Metals in Soil Samples 1815 West Farms Road Bronx, NY														
METALS	Unr. Use*	Sample ID: Sampling Date: Res. Res.**	Units	SB-8 (0-2')	SB-8 (5-8')	SB-9 (0-2')	SB-9 (3-5')	SB-10 (0-2')	SB-10 (5-7')	SB-11 (0-2')	SB-11 (5-7')	SB-12 (0-2')	SB-12 (3-5')	
				9/10/2015	9/10/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015	9/11/2015
				Q	Q	Q	Q	Q	Q	Q	Q	Q	Q	Q
Aluminum	NA	NA	PPM	7860 D	9430 D	15100 D	24800 D	16000 D	8870 D	15100 D	12900 D	13200 D	12100 D	
Antimony	NA	NA	PPM	0.221 U	0.209 U	0.234 U	0.239 U	0.217 U	0.221 U	0.232 U	0.223 U	0.234 U	0.247 U	
Arsenic	13	16	PPM	2.51	1.15	5.15	5.96	4.81	2.6	4.12	3.78	6.87	9.71	
Barium	350	400	PPM	32.4	49.7	85.2	109	51.9	43.4	92.9	35.7	163	179	
Beryllium	7.2	72	PPM	0.11 U	0.104 U	0.117 U	0.119 U	0.109 U	0.111 U	0.116 U	0.111 U	0.117 U	0.123 U	
Cadmium	2.5	4.3	PPM	0.11 U	0.104 U	0.21 J	0.119 U	0.109 U	0.111 U	1.25	0.111 U	1.53	0.123 U	
Calcium	NA	NA	PPM	1460	1430	2560	2010	790	1340	3870	608	3690	2730	
Chromium	NA	180	PPM	12.9	16.9	17.1	19.7	24.5	12.8	17.4	18.1	20.1	15.5	
Cobalt	NA	NA	PPM	0.11 U	0.104 U	0.117 U	0.119 U	0.109 U	0.111 U	0.116 U	0.111 U	0.117 U	0.123 U	
Copper	50	270	PPM	11.9	22.7	21.5	30	38.9	12.2	39.8	15.5	44.1	33.7	
Iron	NA	NA	PPM	13800 D	14900 D	20400 D	32400 D	21000 D	14000 D	20200 D	18200 D	17500 D	14300 D	
Lead	63	400	PPM	6.64	3.46	109	177	32	5.32	98.9	8.28	875	504	
Magnesium	NA	NA	PPM	2410	3300	3200	2660	3320	2540	3430	2760	2700	2140	
Manganese	1600	2000	PPM	240	172	310	314	217	373	307	242	304	308	
Mercury	0.18	0.81	PPM	0.0122 J	0.00817 U	0.146	0.26	0.0181	0.00827 U	0.0621	0.039	0.982 D	0.545	
Nickel	30	310	PPM	12.1	19.4	13.4	17.4	17	12	14.3	12.9	16.5	13.5	
Potassium	NA	NA	PPM	796	2340	1090	1080	1450	1330	1150	1160	1090	968	
Selenium	3.9	180	PPM	0.602	0.511 J	0.945	0.949	0.218 J	0.221 U	0.268 J	0.223 U	0.412 J	0.506 J	
Silver	2	180	PPM	0.11 U	0.104 U	0.117 U	0.157 J	0.109 U	0.111 U	4.08	0.111 U	0.294 J	0.47 J	
Sodium	NA	NA	PPM	43.5	102	86	104	267	69.4	74.7	313	219	238	
Thallium	NA	NA	PPM	0.331 U	0.442 J	0.351 U	0.358 U	0.326 U	0.332 U	0.348 U	0.334 U	0.351 U	0.37 U	
Vanadium	NA	NA	PPM	19.4	24.2	27.3	26.7	31.9	19.6	28.4	28.5	28.6	25.2	
Zinc	109	10000	PPM	71	52.5	84.1	109	48.4	37.3	69.9	30.9	231	71.2	

Notes:
U - Not Detected *6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6; **6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;
J - Estimated Value Table 375-6.8(a); Restricted Residential Soil Cleanup Objectives Table 375-6.8(a); Unrestricted Use Soil Cleanup Objectives
NA - Not Available
B - Analyte detected in associated method blank
D - Analyte concentration was obtained through diluted analysis or from analysis using reduced sample volume
All concentrations are reported in milligrams per liter (mg/L) or parts per million

Table 9
Summary of VOCs in Soil Vapor
1815 West Farms Road
Bronx, NY

LOCATION SAMPLING DATE SAMPLE DEPTH	SV-1 9/11/2015 2 ft.	SV-2 9/11/2015 2 ft.	SV-3 9/11/2015 5 ft.	SV-4 9/11/2015 5 ft.	SV-5 9/11/2015 3 ft.	*NYSDOH 2006 Sub-Slab Vapor			
						Matrix 1	Matrix 2		
Volatile Organic Compounds	Units	Q	Q	Q	Q	Q			
Dichlorodifluoromethane	ug/m3	1.55	1.31	0.989	U	1.57	2.25	NA	NA
Chloromethane	ug/m3	0.63	0.413	0.413	U	0.413	0.613	NA	NA
Freon-114	ug/m3	1.4	1.4	1.4	U	1.4	1.4	NA	NA
Vinyl chloride	ug/m3	0.511	0.511	0.511	U	0.511	0.511	>50	NA
1,3-Butadiene	ug/m3	0.442	0.442	2.88	U	0.675	0.442	NA	NA
Bromomethane	ug/m3	0.777	0.777	0.777	U	0.777	0.777	NA	NA
Chloroethane	ug/m3	0.528	0.528	0.528	U	0.528	0.528	NA	NA
Ethanol	ug/m3	125	148	232		143	102	NA	NA
Vinyl bromide	ug/m3	0.874	0.874	0.874	U	0.874	0.874	NA	NA
Acetone	ug/m3	18.4	57.7	97.2		49.2	26.8	NA	NA
Trichlorofluoromethane	ug/m3	2.29	2.69	4.65		10.6	11.5	NA	NA
Isopropanol	ug/m3	2.13	2.56	4.55		3.2	1.89	NA	NA
1,1-Dichloroethene	ug/m3	0.793	0.793	0.793	U	0.793	0.793	NA	>100
Tertiary butyl Alcohol	ug/m3	2.27	6.67	16.7		22.3	5.61	NA	NA
Methylene chloride	ug/m3	5.21	4.45	4.48		1.74	1.74	NA	NA
3-Chloropropene	ug/m3	0.626	0.626	0.626	U	0.626	0.626	NA	NA
Carbon disulfide	ug/m3	1.08	3.18	11.8		1.56	0.623	NA	NA
Freon-113	ug/m3	1.53	1.53	1.53	U	1.53	1.53	NA	NA
trans-1,2-Dichloroethene	ug/m3	0.793	0.793	0.793	U	0.793	0.793	NA	NA
1,1-Dichloroethane	ug/m3	0.809	0.809	0.809	U	0.809	0.809	NA	NA
Methyl tert butyl ether	ug/m3	0.721	0.721	0.721	U	0.721	0.721	NA	NA
2-Butanone	ug/m3	9.41	15.4	20.5		12.7	8.52	NA	NA
cis-1,2-Dichloroethene	ug/m3	0.793	0.793	0.793	U	0.793	0.793	NA	>100
Ethyl Acetate	ug/m3	1.8	1.8	1.8	U	1.8	1.8	NA	NA
Chloroform	ug/m3	0.977	0.977	0.977	U	0.977	0.977	NA	NA
Tetrahydrofuran	ug/m3	1.75	3.42	7.26		4.87	1.59	NA	NA
1,2-Dichloroethane	ug/m3	0.809	0.809	0.809	U	0.809	0.809	NA	NA
n-Hexane	ug/m3	8.11	9.52	17.2		9.83	5.71	NA	NA
1,1,1-Trichloroethane	ug/m3	1.09	1.09	1.27		1.09	1.09	NA	>100
Benzene	ug/m3	23.2	34.2	55.3		32.9	19.9	NA	NA
Carbon tetrachloride	ug/m3	1.26	1.26	1.26	U	1.26	1.26	>50	NA
Cyclohexane	ug/m3	7.02	7.57	8.4		4.96	3.06	NA	NA
1,2-Dichloropropane	ug/m3	0.924	0.924	0.924	U	0.924	0.924	NA	NA
Bromodichloromethane	ug/m3	1.34	1.34	1.34	U	1.34	1.34	NA	NA
1,4-Dioxane	ug/m3	0.721	0.721	0.721	U	0.721	0.721	NA	NA
Trichloroethene	ug/m3	29.3	1.07	1.07	U	1.36	1.07	>50	NA
2,2,4-Trimethylpentane	ug/m3	3.99	5.37	12.2		6.63	2.83	NA	NA
Heptane	ug/m3	7.17	9.59	15.3		9.14	5.66	NA	NA
cis-1,3-Dichloropropene	ug/m3	0.908	0.908	0.908	U	0.908	0.908	NA	NA
4-Methyl-2-pentanone	ug/m3	2.05	2.05	2.83		2.05	2.05	NA	NA
trans-1,3-Dichloropropene	ug/m3	0.908	0.908	0.908	U	0.908	0.908	NA	NA
1,1,2-Trichloroethane	ug/m3	1.09	1.09	1.09	U	1.09	1.09	NA	NA
Toluene	ug/m3	198	282	375		277	172	NA	NA
2-Hexanone	ug/m3	1.04	3.32	1.59		1.87	1.07	NA	NA
Dibromochloromethane	ug/m3	1.7	1.7	1.7	U	1.7	1.7	NA	NA
1,2-Dibromoethane	ug/m3	1.54	1.54	1.54	U	1.54	1.54	NA	NA
Tetrachloroethene	ug/m3	4.9	6.85	1.88		7.59	1.62	NA	>100
Chlorobenzene	ug/m3	0.921	0.921	0.921	U	0.921	0.921	NA	NA
Ethylbenzene	ug/m3	44.3	75.1	84.7		73.8	38.8	NA	NA
p/m-Xylene	ug/m3	155	268	294		266	132	NA	NA
Bromoform	ug/m3	2.07	2.07	2.07	U	2.07	2.07	NA	NA
Styrene	ug/m3	1.37	3.04	2.49		3.1	1.05	NA	NA
1,1,2,2-Tetrachloroethane	ug/m3	1.37	1.37	1.37	U	1.37	1.37	NA	NA
o-Xylene	ug/m3	49.5	88.6	94.3		91.2	42.9	NA	NA
4-Ethyltoluene	ug/m3	11.1	21	21.3		21.8	9.68	NA	NA
1,3,5-Trimethylbenzene	ug/m3	8.11	15.1	16.1		17.1	6.69	NA	NA
1,2,4-Trimethylbenzene	ug/m3	31.1	56	59.5		63.4	25.8	NA	NA
Benzyl chloride	ug/m3	1.04	1.04	1.04	U	1.04	1.04	NA	NA
1,3-Dichlorobenzene	ug/m3	1.2	1.2	1.2	U	1.2	1.2	NA	NA
1,4-Dichlorobenzene	ug/m3	1.2	1.2	1.2	U	1.2	1.2	NA	NA
1,2-Dichlorobenzene	ug/m3	1.2	1.2	1.2	U	1.2	1.2	NA	NA
1,2,4-Trichlorobenzene	ug/m3	1.48	1.48	1.48	U	1.48	1.48	NA	NA
Hexachlorobutadiene	ug/m3	2.13	2.13	2.13	U	2.13	2.13	NA	NA

Notes: Q Qualifier
U Undetected
NA Not Available

*NYSDOH Guidance for Evaluating Soil Vapor in the State of
New York Oct. 2006 Matrix 1 & 2 levels for "No Further Action"
Samples collected over an approximate 2-hour time period

Appendix A

Historical Reports

PHASE I ENVIRONMENTAL SITE ASSESSMENT

**1815 West Farms Road
(Block 3015/Lots 62, 87, 89)
Bronx, New York 10460**

FOR

**West Farms Equities Inc.
1815 West Farms Road
Bronx, New York 10460**

By



equity **environmental** engineering

November 2013

Equity Environmental Engineering, LLC
227 Route 206, Building 1, Suite 6
Flanders, NJ 07836
973.527.7451 (v)
973.858.0280 (f)

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PHASE I ENVIRONMENTAL SITE ASSESSMENT
1815 West Farms Road
Bronx, New York 10460

EXECUTIVE SUMMARY

Equity Environmental Engineering, LLC (Equity) was contracted by West Farms Equities Inc. to perform a Phase I Environmental Site Assessment (ESA) on 1815 West Farms Road (Block 3015/Lots 62, 87, 89) Bronx, New York, in accordance with the American Society for Testing and Materials (ASTM) Standard E1527-05, “Standard Practice for Environmental Site Assessments”. The investigation was conducted to identify Recognized Environmental Conditions (RECs) associated with current and historic property uses.

The purpose of this Phase I ESA is to determine whether any type of hazardous substance or petroleum product exists within or adjacent to the property in question. Environmental hazards would include, but not be limited to, hazardous/toxic wastes or raw chemicals stored, dumped, or spilled on the site, underground and above ground storage of petroleum or hazardous materials; likely presence of asbestos within the building materials/structures; and identification of potential off-site sources of hazardous waste contamination, such as industrial facilities adjacent to the subject property.

Recognized Environmental Conditions (RECs) are defined as the presence or likely presence of any hazardous substances or petroleum products under conditions that indicate an existing release, past release or a material threat of a release into structures on the property or into the ground, groundwater or surface waters of the property. Historic RECs are RECs previously remediated to government standards. De minimis RECs are those that do not present a threat to health or the environment, and would not be the subject of an enforcement action by a government agency. All RECs, excluding de minimis and Historic RECs, are discussed. No significant data gaps were identified by this assessment.

Equity performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 at the subject property. Any exceptions to, or deviations from, this practice are described in Section VIII of this report. This assessment has revealed the following RECs for the property:

1. The storage of “auto junk” on a portion of the property could cause the discharge of various fluids which could leading to the contamination of the subject property
2. The use of the property (and adjacent property) as an auto body shop could have cause contamination of the subject property.
3. The subject property has multiple “E” designations, one of which is for hazardous materials which requires following the Phase I Environmental Site Assessment (ESA) and Phase II Site Investigation (SI) protocol and appropriate remediation if necessary.

Also, Equity conducted an analysis of the various properties listed in the Phase I database search with respect to the VES in accordance with the requirements of the American Society for Testing and Materials (ASTM) 2600-10. It is Equity’s conclusion that a Vapor Encroachment Condition (VEC) cannot be ruled out for the subject property because of the Little E designation.

Out of Scope Concerns

The environmental assessment is non-invasive, and does not include any testing or sampling of materials, such as soil, water, air, or building materials such as asbestos containing material (ACM) and lead-based paint (LBP). The environmental assessment does not include a review of the following: Industrial Hygiene, Health and Safety, Indoor Air Quality, Soil Gas, Radon, Lead in Drinking Water, Mold, Wetlands, Regulatory Compliance, Cultural and Historic Resources, Ecological Resources, Endangered Species, and Biological Agents. RECs do not include de minimis conditions that do not present a threat to health or the environment, and that would not be subject to an enforcement action by government agencies.

I INTRODUCTION

A. Purpose

West Farms Equities Inc. retained Equity Environmental Engineering LLC (Equity) to conduct a Phase I Environmental Site Assessment on 1815 West Farms Road (Block 3015/Lots 62, 87, 89) Bronx, New York, in accordance with the American Society for Testing and Materials (ASTM) Standard E1527-05, "Standard Practice for Environmental Site Assessments": Phase I Environmental Site Assessment Process. The ASTM Standard constitutes "all appropriate inquiry into previous ownership and uses of the property consistent with good commercial or customary practice". The ASTM Standard also satisfies the requirements of the United States Environmental Protection Agency's (EPA) All Appropriate Inquiry Standard, 40 CFR Part 312, which is required to qualify for certain landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

This investigation was conducted to identify Recognized Environmental Conditions (RECs), which are defined as the presence or likely presence of any hazardous substances or petroleum products under conditions that indicate an existing release, past release or a material threat of a release into structures on the subject property or into the ground, groundwater or surface waters of the property.

B. Detailed Scope-of-Services

The Phase I Environmental Site Assessment consisted of the following four components:

1. Records Review
 - a. Environmental Records
 - b. Historic Records
2. Site Reconnaissance
3. Interviews with Past and Present Owners and Occupants, and State and/or Local Government Officials
4. Evaluation and Report Preparation

C. Significant Assumptions

Equity has prepared this Phase I in accordance with the contractual scope of work, using reasonable efforts to attempt to identify RECs. The conclusions in this report are based solely on visual observations, readily available records, interviews, and other secondary sources, which are assumed accurate unless otherwise documented. Equity does not warrant the accuracy or completeness of information provided by secondary sources. Equity does not warrant that contamination that may exist on the site has been discovered, that the site is suitable for any particular purpose, or that the site is clear and free of liability.

This report is intended for use in its entirety. No excerpts may be taken to be representative of the findings of this assessment. Opinions and recommendations presented in this report apply to the site conditions and features, as they existed at the time of the site visit, and those reasonably foreseeable. They cannot necessarily apply to conditions and features of which Equity is unaware and has not had an opportunity to evaluate.

D. Limitations and Exceptions

The environmental assessment is non-invasive, and does not include any testing or sampling of materials, such as soil, water, air, or building materials such as asbestos containing material (ACM) and lead-based paint (LBP). The environmental assessment does not include a review of the following: Industrial Hygiene, Health and Safety, Indoor Air Quality, Soil Gas, Radon, Lead in Drinking Water, Mold, Wetlands, Regulatory Compliance, Cultural and Historic Resources, Ecological Resources, Endangered Species, and Biological Agents. RECs do not include de minimus conditions that do not present a threat to health or the environment, and that would not be subject to an enforcement action by government agencies.

E. Special Terms and Conditions

No additional services were requested.

F. User Reliance

This Phase I report has been prepared for the exclusive use of 1815 West Farms Equities Inc. Photocopying this document, in part or in whole, by parties other than those designated by 1815 West Farms Equities Inc., or use of this document for purposes other than its intended use, is prohibited.

II SITE DESCRIPTION

A. Location and Description

The subject property is located at 1815 West Farms Road (Block 3015/Lots 62, 87, 89) Bronx, New York. There is an old house that is being used for office space and several storage buildings of various construction materials including a metal Quonset hut. The subject property is split approximately halfway onto the site west of West Farms Road. The split is in elevation from the low side along West Farms Rd. to the high side at the back of the property along Boone Ave. The elevation change is approximately 15 feet. A Site Location Map is provided as Appendix A.

B. Site and Vicinity Characteristics

The project site consists of three adjoining lots (62, 87, and 89) totaling about 17,300 square feet. The subject property is located in a commercial area adjacent to the Sheridan Expressway, a multi-lane highway. The subject property has a bedrock outcropping which results in a steep change in elevation going from the east side of the property to the west.

C. Current Use of the Property

Lot 62 is on the elevated section of the subject property and is approximately 610 square feet in size and is being used for outdoor storage of construction equipment. Lot 87 is about 8,900 square feet and is split between the higher and lower sections of the property and contains the Quonset Hut and a portion of one of the storage buildings. Outdoor and indoor storage of construction equipment is on Lot 87. Lot 89 consists of the office, one complete storage building and a portion of another. Construction equipment is stored in the buildings and the Walison Corporation offices are located in the office building.

D. Description of Structures, Other Improvements

The lower level of the subject property consists of a brick and wood 2-story house with cellar that has been converted into office space. There is a security gate and fencing along the front of the building. The remaining frontage along West Farms Road has a 12 foot high fence with barbed wire and overhead gate. There are two masonry buildings and one metal Quonset Hut used for storage. The area has a gravel surface.

The upper level of the subject property has a similar fence and sliding gate. This area is used solely for outdoor storage of dry equipment on bare ground.

E. Current Uses of Adjoining Properties

Adjacent properties to the north and south include a New York City Department of Sanitation garage, concrete batch plant, auto shop and a strip mall to the west, across Boone Ave. To the east is the Sheridan Expressway.

III USER PROVIDED INFORMATION

The ASTM Standard defines the User as the person on whose behalf the Phase I Environmental Site Assessment is being conducted. This report has been prepared for West Farms Equities Inc.

A. Title Records

No environmental liens (legal, i.e. deed notice) or Activity and Use Limitations (physical, i.e. engineering controls) were identified through a review of NYC ACRIS information.

B. Environmental Liens or Activity and Use Limitations

No environmental liens or activity and use limitations on the property were identified during the records search for this Phase I ESA.

C. Specialized Knowledge or Commonly Known Information

No specialized knowledge of commonly known information pertaining to the site was discovered during this Phase I ESA.

D. Property Value

The Client did not indicate that the fair market value of the property was reduced due to environmental concerns.

E. Owner, Property Manager, and Occupant Information

The subject property is currently owned by West Farms Equities Inc. Lot 62 is being used for outdoor storage of construction equipment. Lot 87 contains the Quonset Hut and a portion of one of the storage buildings. Outdoor and indoor storage of construction equipment is on Lot 87. Lot 89 consists of the office, one complete storage building and a portion of another. Construction equipment is stored in the buildings and the Walison Corporation offices are located in the office building.

F. Reason for Performing the Phase I

The Phase I Environmental Site Assessment is being conducted as part of the due diligence process for financing of the redevelopment of the property.

IV RECORDS REVIEW

A. Standard Environmental Record Sources

EQUITY contracted Environmental Data Resources, Inc. (EDR) of Milford, Connecticut to provide a search of the Standard Environmental Record Sources required for an ASTM Phase I Environmental Site Assessment. The following table provides a list of each database and its recommended search radius as per the ASTM Standard. The full database search results are included in Appendix C.

The database provides the topographic elevations and can be used to assess the potential impacts of nearby uses on the subject property. Although groundwater flow often follows the topographic gradient of the ground surface, its flow direction can be affected by other variables, such as soils, geology, seasonal fluctuations, production wells, and underground structures. On-site groundwater monitoring wells are required to determine the actual flow direction at a particular site.

The database search is a tool to identify various environmental situations and/or activities within the required radius of the subject property. Many of these databases will only acknowledge the presence of a specific item on a property such as an underground storage tank or a dry cleaner. They do not determine the potential impact to the subject property and cannot take into account natural and man-made impediments that would limit or prevent the migration of contaminants from one site to another. Other databases provide sufficient knowledge to determine if there was an incident and what the severity of that incident was. For example, the majority of items within the LTANKS (leaking tanks) and/or HIST LTANKS (historic leaking tanks) deal with tank test failures that have de minimis releases or small enough quantity releases that are addressed by the owner/operator and do not migrate beyond the location of the tank.

The subject property does not appear on any of the researched databases. There are 68 leaking storage tank incident reports (LTANKS) within 1/2-mile of the subject site and 18 New York spill (NY Spill) sites within 1/8-mile of the site.

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Federal Database	Description	Search Distance (miles)	Number of Sites
NPL	National Priorities List (NPL), also known as Superfund, is a list of uncontrolled or abandoned CERCLA hazardous waste sites which have been identified for priority cleanup.	1.0	0
Proposed NPL	Site proposed for the NPL	1.0	0
Delisted NPL	Sites deleted from the NPL.	0.5	0
CERCLIS	The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) contain sites, which are proposed or on the NPL, and sites which are in the screening and assessment phase for possible inclusion on the NPL.	0.5	0
CERCLIS NFRAP	No Further Remediation Action Planned (NFRAP) sites have been removed from CERCLIS if initial investigation found no contamination or contamination was not serious enough to require NPL listing.	0.5	0
RCRA CORRACTS	This database is a list of Resource Conservation and Recovery Act (RCRA) handlers with Corrective Action Activity.	1.0	0
RCRA Non-CORRACTS TSD	Treatment Storage and Disposal (TSD) facilities listed regulated under RCRA that are not included in the CORRACTS database.	0.5	0
RCRA Generators	The EPA maintains information in RCRIS on sites that generate, transport, store, treat and/or dispose of hazardous waste as defined RA. CESQG – Conditionally exempt SQG SQG – Small Quantity Generator LQG – Large Quantity Generator	0.25	LQG-0 SQG-1 CESQG-0
Institutional/Engineering Controls	EPA listing of sites with engineering or institutional controls.	0.5	0
ERNS	Emergency Response Notification System (ERNS) Reported spills of oil and hazardous substances.	Property Only	0
HSWDS	Hazardous Substance Waste Disposal Site Inventory. New York State Department of Environmental Conservation's (DEC) list of known or suspected hazardous substance waste disposal sites. Also includes sites delisted from EPA.	0.5	0

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Federal Database	Description	Search Distance (miles)	
SHWS	The NY DEC Inactive State Hazardous Waste Site (SHWS). State Superfund Program, cleanup program for inactive hazardous waste sites and now include hazardous substance sites.	1.0	0
SWF/LF	The SWF/LF list contains active and inactive permitted waste disposal sites and processing facilities located in New York State.	0.5	2
LTANKS	The NY State Leaking Storage Tanks List (LTANKS) database is a listing of all <u>reported</u> leaking tanks underground storage tanks (USTs) and above ground storage tanks (ASTs) since 4/1/86.	0.5	22
PBS UST	NYSDEC's Petroleum Bulk Storage (PBS) database. Petroleum storage tanks over 1100 gallons and less than 400,000 gallons.	0.25	7
CBS UST	Chemical Bulk Storage (CBS) Tank Database includes facilities storing hazardous substances in underground tanks.	0.25	1
PBS AST	NYSDEC's Petroleum Bulk Storage (PBS) database. Petroleum storage tanks over 1100 gallons and less than 400,000 gallons.	0.25	27
SPILLS	Database of spills reported to the NYSDEC since 4/1/86.	0.125	8
Institutional/Engineering Controls	NYSDEC listing of sites with Institutional or Engineering Controls.	0.5	0
Voluntary Cleanups	NYSDEC list of sites being remediated using private funds.	0.5	0
Brownfields	List of real property where redevelopment or reuse may be complicated by hazardous waste, petroleum or other contaminants.	0.5	2

1) Subject Property

The subject property has a Little "E" Designation for Hazardous Materials, Noise, and Air Quality. The hazardous materials designation requires a Phase I ESA and Phase II SI. The Noise designation is for window wall attenuation of 31 dBA to ensure that interior noise levels would be at 45 dBA or less for residential uses and 50 dBA or less for commercial uses. The air quality designation states any new construction would need to set their HVAC emission stack(s) back 20 feet from the edge of the roof and/or a building of similar or greater height if natural gas is used, and 60 feet if #2 fuel oil is used.

2) Adjacent Properties

Adjacent properties surrounding the subject property contain similar Little “E” Designations as the subject property. The property listed at 1819 West Farms Rd. (north of the subject property) is also listed as a Historic Auto Station named Manabi Auto Repair. In addition to having a Little “E” Designation, The Good-O-Beverage company (adjacent to the west of the subject property) is listed on the UST and HIST UST lists but no discharges have been identified for the properties.

3) Surrounding Properties Within 1/8 mile

Incidents within 1/8 mile of the subject property include five listings on the NY SPILLS database. The listings of the releases of hazardous materials are of a small quantity, at a substantial distance or elevation change, and have corrective action was taken; therefore it is likely that the releases had no effect on the subject property.

4) Surrounding Properties Beyond 1/8 mile

Sites beyond 1/8 mile from the subject site include multiple LTANKS, NY SPILLS, and Historic Dry Cleaner listings. There is no indication of releases of hazardous materials associated with the incidents that could impact the subject site, given the size of the release, if any, and the intervening buildings, and below-grade utility trenches.

5) Orphan Sites

Orphan sites are those identified by EDR in the database search but which, due to poor or inadequate address information, could not be mapped. There were 20 orphan sites, including 4 listings in the NY SPILLS database. Although these were not mapped, based on the site addresses provided, they do not all appear to impact the subject property.

B. Additional Environmental Record Source

No additional environmental record sources were reviewed during this Site Assessment.

C. Physical Setting Source

A current USGS 7.5 Minute topographic map of the property was reviewed, and is provided in the EDR Report, Appendix C.

Name of Maps	40073-G8 CENTRAL PARK, NY NJ 1995 40073-G7 FLUSHING, NY 1995
Elevation of Site	19’ above mean sea level
Site Topography	General downward slope to the south east.
Adjoining Sites	South: New York City Department of Sanitation West: Strip Mall North: Auto Shop East: Sheridan Expressway.
Nearby Water Bodies	Bronx River is approximately 200 yards to the east.

The subject property is located in Bronx, New York. The EDR report shows the rock geology of the site as formed during the Paleozoic Era, Ordovician System, Middle Ordovician (Mohawkian) Series, Code O2. The soil is described as Urban Land, and does not qualify as hydric soil.

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D. Historical Use Information on the Property

The subject property is 1815 West Farms Road (Block 3015/Lots 62, 87, 89) Bronx, New York. The following provides historic information on the subject property based on aerial photographs, Sanborn and topographic maps, and a variety of city directories.

1. Aerial Photographs – Equity reviewed the aerial photos provided from 1924 to 2011. Descriptions of the photos can be found below. Copies of the photographs are provided in Appendix D.

Year	Description
1924	The Photo is too poor of quality to obtain any meaningful information.
1954	The department of sanitation garage to the south of the subject property is visible but it shadows the subject property making it difficult to obtain any meaningful information.
1966, 1975, 1984	Two buildings are visible on the subject property.
1994	The Photo is too poor of quality to obtain any meaningful information.
2006, 2009, 2011	Two buildings are visible on the subject property

2. Fire Insurance Maps – Equity reviewed a total of 30 Sanborn Fire Insurance maps from 1896 to 2007 provided by EDR, Inc. The following description of each succeeding map builds upon the previous one without reiterating them. Copies of the maps are provided in Appendix E.

Year	Description
1896	West Farms Road is shown on the map with multiple 2 story buildings along it; however the lots do not line up with current property boundaries so it is hard to determine which is the subject property is.
1901	A 2 story building is shown on lots 87 and 89. Lot 62 is not depicted. Across West Farms Road there is a boat builder.
1903	This map does not show any buildings.
1915	There is a dwelling located on lot 89 and just a small structure located in the eastern portion of lot 87.
1950	The dwelling remains on the lot 89. The structure on lot 87 is no longer shown, but there is another structure (potentially a garage) depicted on lot 89. The department of sanitation building is shown to the south of the subject property.
1977-1981	The dwelling and garage remain on lot 89. Lot 87 is labeled as “auto junk” and as a parking service. The property to the north is labeled as an auto repair shop. To the north of the subject property there is a building labeled “Good-O-Beverages”.
1983, 1985, 1986, 1989, 1992-1996 1998, 2001-2007	The garage on lot 89 is labeled as auto repair in these maps.

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3. USGS Topographic Maps – Equity reviewed historic topographic maps, from 1897 through 1995 and they are of a scale that is too large to discern any meaningful site details. Copies of the maps are provided in Appendix F.
4. Local Street Directories – Equity reviewed local street directory listings for the immediate area around the subject property from 1927 through 2013. Directory information for the subject property from 1927 to 2000 includes listings for what appear to be residents. From the 2005 listing to present day the uses is listed as Walison Corp. A copy of the City Directory can be found in Appendix G.
5. Recorded Land Title Records – Equity reviewed the title information for 1815 West Farms Road in the NYC ACRIS website. There is a deed transfer for the property from Carmen Collazo to West Farms Equities Inc. on 7/23/1999. The document can be found in Appendix H.
6. Property Tax Files – Equity did not review property tax records for the subject property.
7. Building Department and Finance Records – Department records were reviewed on the NYC DOB website. There are no active violations for the property, However there is a Little “E” restriction on the property for Hazardous Materials, Noise, and Air. Finance records were reviewed on the NYC Property Information website. The website shows West Farms Equities Inc. as the property owner.
8. Zoning/Land Use Records – The site is within a M1-1 zoning district. M1 districts typically include light industrial uses, such as woodworking shops, repair shops, and wholesale service and storage facilities. Nearly all industrial uses are allowed in M1 districts if they meet the stringent M1 performance standards. A zoning map can be found in Appendix A.
9. Other Historical Sources – No other sources of historical information about the site and its surroundings were reviewed.
10. Prior Assessment Usage – No other assessment or use information about the site and its surroundings were reviewed.
11. FOIL Request – A Freedom of Information Law (FOIL) Requests were not submitted because the property does not show up on any of the researched databases.

E. Historical Use Information on Adjoining Properties

Based on a review of the city directories, aerial photographs and Sanborn maps, it appears that the area historically has been developed primarily for industrial and residential uses.

F. Vapor Encroachment Screen

Equity conducted an analysis of the various properties listed in the Phase I database search with respect to the VES in accordance with the requirements of the American Society for Testing and Materials (ASTM) 2600-10. A Tier I screen was done within the required database search distances from the subject property’s boundary for the items listed in Section 8 of the standard. The LTANKS database identified no leaking storage tanks within 1/10 mile of the subject property. Based on the above information and professional judgment, it is Equity’s conclusion that a Vapor Encroachment Condition (VEC) cannot be ruled out for the subject property.

V SITE RECONNAISSANCE

A. Methodology and Limiting Conditions

The site inspection was conducted by Mr. Robert Jackson, P.E. of Equity Environmental Engineering, LLC on October 29, 2013. As noted above, photographs taken during the site visit are provided in Appendix B.

B. General Site Setting

The general setting in which the subject property is located is primarily commercial.

The potential presence of the following RECs was evaluated. Those observed or identified through the records review are checked, and discussed below.

Potential REC	Observed or otherwise Identified at Site
Storage Tanks	
Drums	X
Other Hazardous Substance/ Petroleum Product Containers	
Unidentified Substance Containers	X
Evidence of Fill Material	
Pools of Liquid	
Stained Soil or Pavement	
Stressed Vegetation	
Waste Water/ Storm water	
Septic System	
Wells	
Pits, Ponds, Lagoons	
PCB Equipment	
Exterior Staining	
Interior Staining or Corrosion	
Interior Drains and Sumps	
Elevators	
Debris	X
Other	

C. Observations

The observations were made by Robert Jackson, P.E., on October 29, 2013. The inspection was conducted with Mr. Sabah Rajput/Walison Corporation.

The subject property consists of three contiguous lots that are separated into a lower and upper level because of a bedrock outcropping onsite. The upper level is used strictly for outdoor storage of construction equipment such as scaffolding, stone, etc. There is a high security fence and solid metal gate along Boone Avenue for entrance to this area. There is a fence between the upper and lower level to prevent material from accidentally falling down on the lower level area.

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The lower level contains four buildings; the office, two stone or masonry storage, and one metal Quonset Hut. The office building is a converted 2-story house with cellar. The building is both a brick and wood structure with vinyl or aluminum siding. There is a gas fired boiler and electric hot water heater in the basement. There is a floor drain in the cellar which is connected to the NYC sewer system. There are no chemicals stored in the cellar. The office has central air conditioning.

The remaining buildings are used for the storage of a wide variety of hand-held and larger construction equipment, paint, joint compound, pallets of bags of cement or concrete, insulation, etc. The Quonset Hut had a 55-gallon drum of diesel fuel that about 1/5 full. There is no evidence of any leaks or spills. The remaining outdoor area on the lower level is covered with gravel and is also used for storage of construction material such as bricks, empty 55-gallon drums stored upside down, a roll-off box filled with bagged debris, large pieces of crushed concrete, etc. There were also two utility trucks parked on the lot during the inspection. Again, there is no evidence of any leaks, spills, or releases of any material onto the ground.

There is a grass covered area between the two small masonry buildings that contained numerous, empty compressed gas cylinders. There was no evidence of a release or stressed vegetation in this area.

VI INTERVIEWS

A. Interview with site Operator/Occupant

According to Mr. Sabah Rajput, the subject property utilities include:

Natural Gas: Consolidated Edison
Electric: Consolidated Edison
Sewer: New York City
Water: New York City

VII FINDINGS, OPINION AND CONCLUSIONS

Recognized Environmental Conditions (RECs) are defined as the presence or likely presence of any hazardous substances or petroleum products under conditions that indicate an existing release, past release or a material threat of a release into structures on the property or into the ground, groundwater or surface waters of the property. Historic RECs are RECs previously remediated to government standards. De minimis RECs are those that do not present a threat to health or the environment, and would not be the subject of an enforcement action by a government agency. All RECs, excluding de minimis and Historic RECs, are discussed. No significant data gaps were identified by this assessment.

Equity performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 at the subject property. Any exceptions to, or deviations from, this practice are described in Section VIII of this report. This assessment has revealed the following RECs for the property:

1. The storage of "auto junk" on a portion of the property could cause the discharge of various fluids which could lead to the contamination of the subject property
2. The use of the property (and adjacent property) as an auto body shop could have caused contamination of the subject property.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
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3. The subject property has multiple "E" designations, one of which is for hazardous materials which requires following the Phase I Environmental Site Assessment (ESA) and Phase II Site Investigation (SI) protocol and appropriate remediation if necessary.

Also, Equity conducted an analysis of the various properties listed in the Phase I database search with respect to the VES in accordance with the requirements of the American Society for Testing and Materials (ASTM) 2600-10. It is Equity's conclusion that a Vapor Encroachment Condition (VEC) cannot be ruled out for the subject property because of the Little E designation.

VIII DEVIATIONS

There were no deviations to the ASTM requirements for this Phase I ESA.

IX ADDITIONAL SERVICES

No additional services were requested as part of this assessment.

X REFERENCES

The following references were used in the preparation of this report:

1. EDR Environmental Databases
2. Aerial Photographs
3. City Directories
4. Historic Topographic Maps
5. Sanborn Maps
6. NYC property databases
7. Zoning Map

XI SIGNATURE(S) OF ENVIRONMENTAL PROFESSIONAL(S)

This report was prepared by:



Nick VanZile
Equity Environmental Engineering, LLC



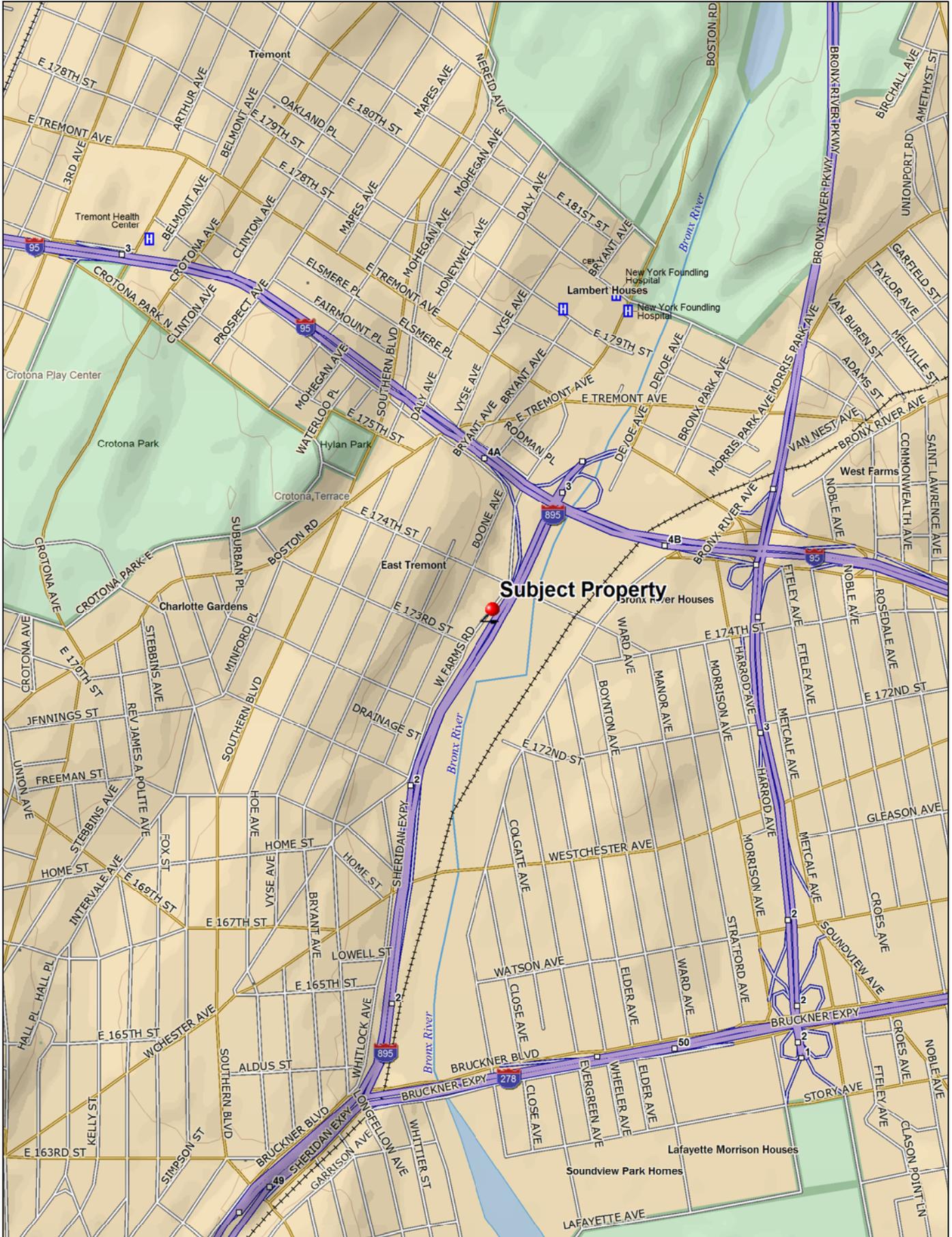
Robert L. Jackson, PE
Equity Environmental Engineering, LLC

XI QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONAL(S)

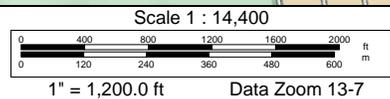
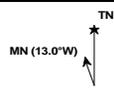
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 312.10 of 40 CFR 12; I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property; and I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Qualifications of the Environmental Professionals are provided in Appendix I.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
1815 West Farms Road
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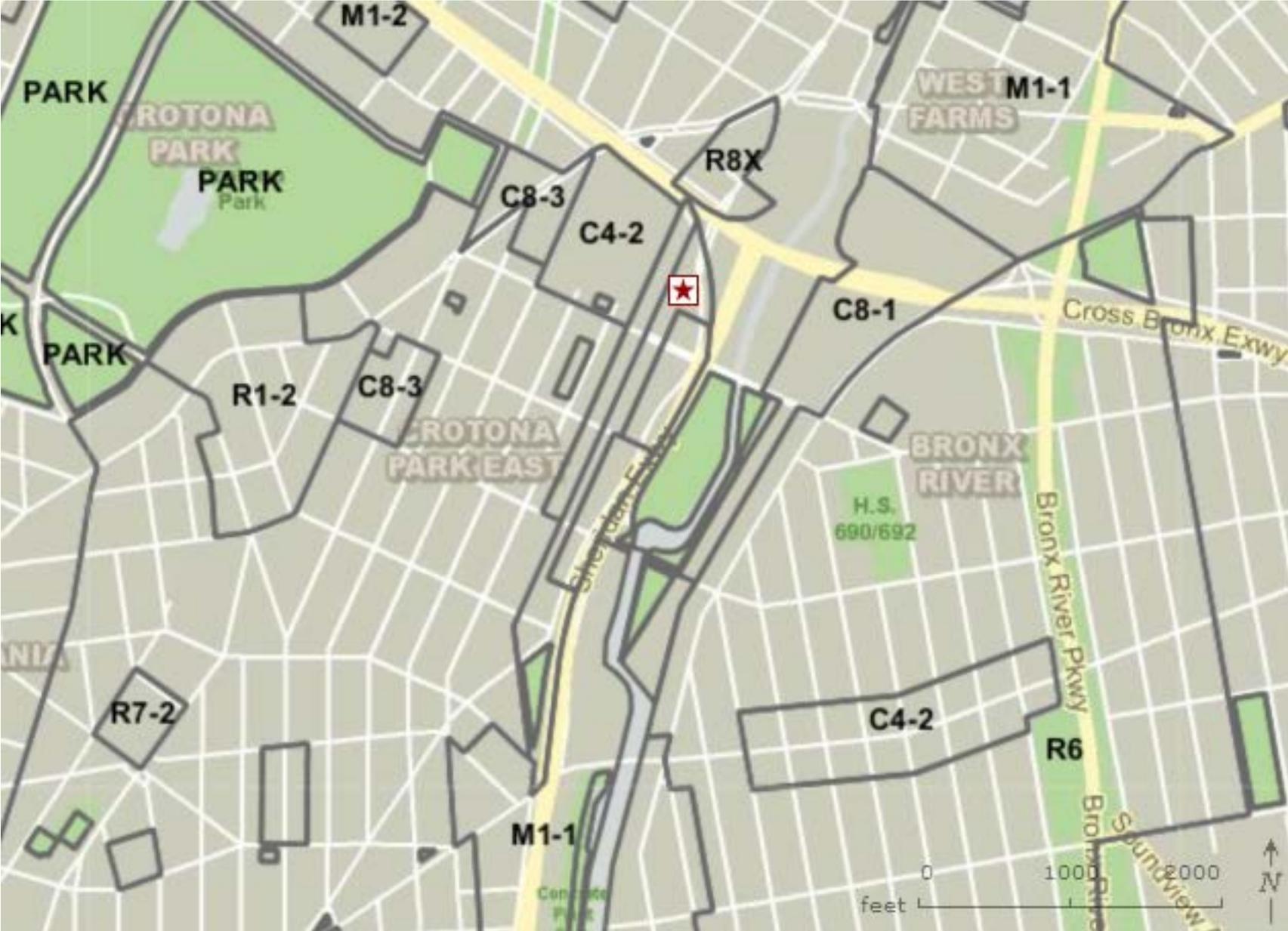
**APPENDIX A
Site Maps**



Subject Property



Zoning Map
1815 West Farms Road
Bronx, New York 10460



Tax Map
1815 West Farms Road
Bronx, New York 10460



**PHASE I ENVIRONMENTAL SITE ASSESSMENT
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**APPENDIX B
Site Photographs**

Phase I Environmental Site Assessment
1815 West Farms Road
Bronx, New York

PHOTOGRAPHIC LOG

Photograph Number: 1
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson
Direction Looking: Northwest

View of the subject property from West Farms Rd.



Photograph Number: 2
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson

Empty Gas Canisters on the subject property



Photograph Number: 3
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson

Building supplies located throughout the subject property.



\\Fs1\GEOGRAPHIC\PROJECTS\1815\PHOTOLOG\10-29-13\10-29-13-19

Phase I Environmental Site Assessment
1815 West Farms Road
Bronx, New York

PHOTOGRAPHIC LOG

Photograph Number: 4
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson
Direction Looking: South

Building supplies located in the Quonset hut on the property.



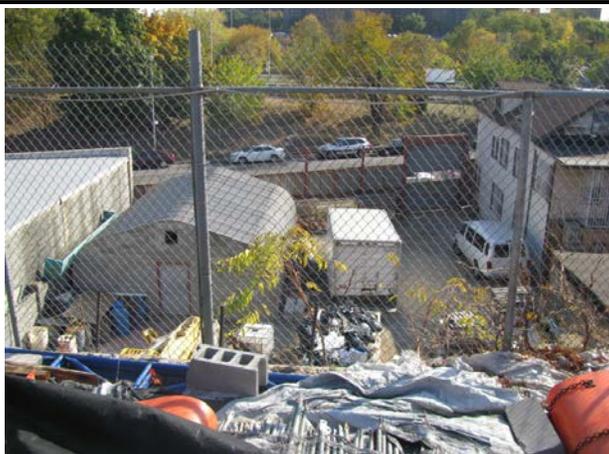
Photograph Number: 5
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson

Rock outcrop in the middle of the subject property.



Photograph Number: 6
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson

High portion of the subject property looking down on the lower area.



Phase I Environmental Site Assessment
1815 West Farms Road
Bronx, New York

PHOTOGRAPHIC LOG

Photograph Number: 7
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson

Debris located in the upper portion of the property.



Photograph Number: 8
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson

Inside of the Walison Corp. Office.



Photograph Number: 9
Project Name: 1815 West Farms Road
Location: Bronx, NY
Date: 10/29/2013
Taken By: R. Jackson

Auto body shop located to the north of the Subject Property.



**PHASE I ENVIRONMENTAL SITE ASSESSMENT
1815 West Farms Road
Bronx, New York 10460**

**APPENDIX C
Database Report (EDR)**

The database search is a tool to identify various environmental situation and/or activities within the required radius of the subject property. Many of these databases will only acknowledge the presence of a specific item on a property such as an underground storage tank or a dry cleaner. They do not determine the potential impact to the subject property and cannot take in to account natural and man-made impediments that would limit or prevent the migration of contaminants from one site to another. Other databases provide sufficient knowledge to determine if there was an incident and what the severity of that incident was. For example, the majority of items within the LTANKS (leaking tanks) and/or HIST LTANKS (historic leaking tanks) deal with tank test failures that have de minimis releases or small enough quantity releases that are addressed by the owner/operator and don't migrate beyond the location of the tank.

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
1815 West Farms Road
Bronx, New York 10460**

**APPENDIX D
Aerial Photographs**



West Farms

1815 West Farms Road
Bronx, NY 10460

Inquiry Number: 3770220.5
October 29, 2013

The EDR Aerial Photo Decade Package

EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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Date EDR Searched Historical Sources:

Aerial Photography October 29, 2013

Target Property:

1815 West Farms Road

Bronx, NY 10460

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1924	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/Flight Date: July 01, 1924	EDR
1954	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/Flight Date: February 23, 1954	EDR
1966	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/Flight Date: February 23, 1966	EDR
1975	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/Flight Date: April 01, 1975	EDR
1984	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/Flight Date: April 27, 1984	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 40073-G8, Central Park, NY;/Flight Date: April 04, 1994	EDR
1994	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/DOQQ - acquisition dates: April 08, 1994	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/Flight Year: 2006	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 40073-G8, Central Park, NY;/Flight Year: 2011	EDR



Subject Property

INQUIRY #: 3770220.5

YEAR: 1924

| = 500'





Subject Property

INQUIRY #: 3770220.5

YEAR: 1954

| = 500'





Subject Property

INQUIRY #: 3770220.5

YEAR: 1966

| = 500'





Subject Property

INQUIRY #: 3770220.5

YEAR: 1975

| = 500'





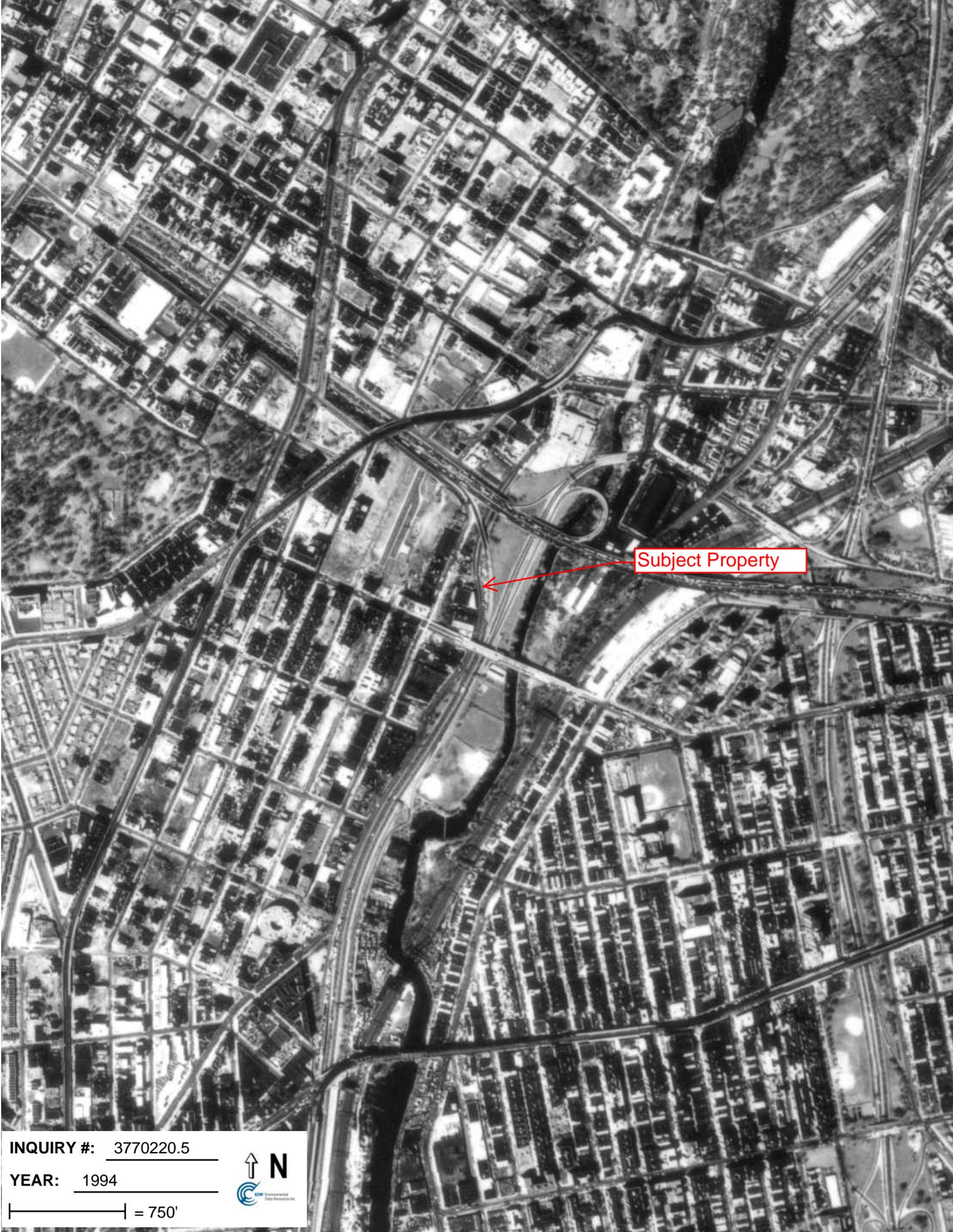
Subject Property

INQUIRY #: 3770220.5

YEAR: 1984

| = 500'





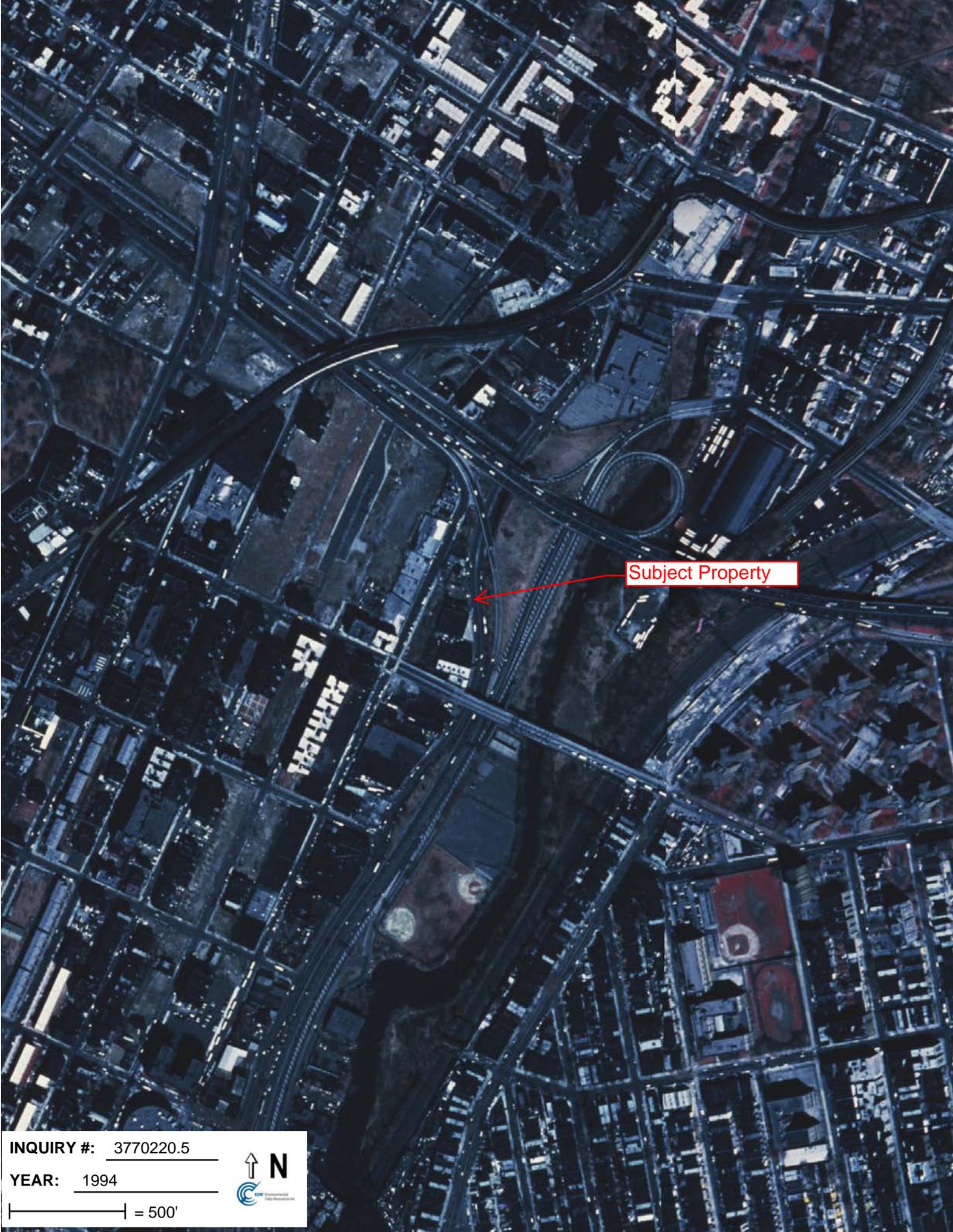
Subject Property

INQUIRY #: 3770220.5

YEAR: 1994

| = 750'





Subject Property

INQUIRY #: 3770220.5

YEAR: 1994

| = 500'





Subject Property

INQUIRY #: 3770220.5

YEAR: 2006

| = 500'





Subject Property

INQUIRY #: 3770220.5

YEAR: 2009

| = 500'





Subject Property

INQUIRY #: 3770220.5

YEAR: 2011

| = 500'



**PHASE I ENVIRONMENTAL SITE ASSESSMENT
1815 West Farms Road
Bronx, New York 10460**

**APPENDIX E
Sanborn Maps**



West Farms

1815 West Farms Road
Bronx, NY 10460

Inquiry Number: 3770220.3
October 29, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

10/29/13

Site Name:

West Farms
1815 West Farms Road
Bronx, NY 10460

Client Name:

Equity Env. Engineering LLC
227 Route 206 North
Flanders, NJ 07836-0000



EDR Inquiry # 3770220.3

Contact: Bob Jackson

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Equity Env. Engineering LLC were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: West Farms
Address: 1815 West Farms Road
City, State, Zip: Bronx, NY 10460
Cross Street:
P.O. # 2013071
Project: West Farms Road Phase I
Certification # 1151-4572-8F20



Sanborn® Library search results
Certification # 1151-4572-8F20

Maps Provided:

2007	2001	1992	1981	1950
2006	1998	1991	1980	1928
2005	1996	1989	1979	1919
2004	1995	1986	1978	1915
2003	1994	1985	1977	1903
2002	1993	1983	1969	1901

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- Library of Congress
- University Publications of America
- EDR Private Collection

The Sanborn Library LLC Since 1866™

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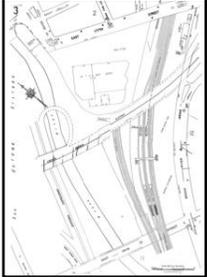
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Sanborn Sheet Thumbnails

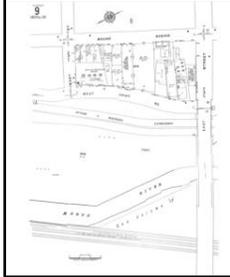
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2007 Source Sheets



Volume 17, Sheet 3



Volume 16, Sheet 9

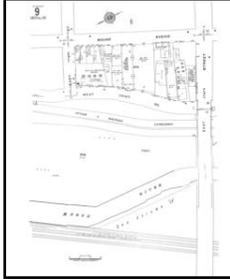


Volume 16, Sheet 10

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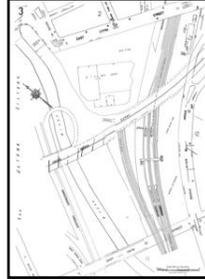
Volume 16, Sheet 7



Volume 16, Sheet 9

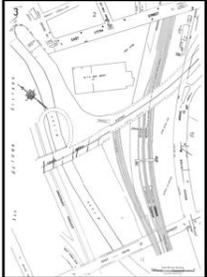


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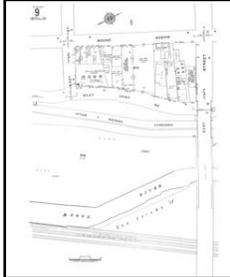


Volume 17, Sheet 3

2005 Source Sheets



Volume 17, Sheet 3

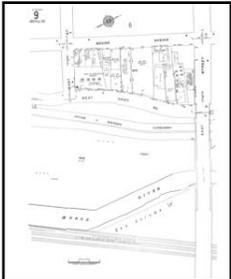


Volume 16, Sheet 9



Volume 16, Sheet 10

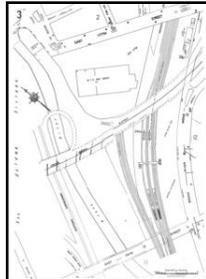
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Volume 16, Sheet 9

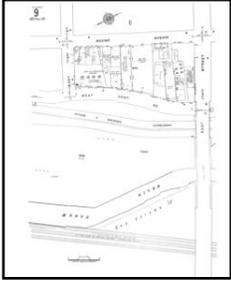


Volume 16, Sheet 10



Volume 17, Sheet 3

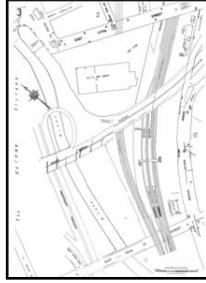
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Volume 16, Sheet 9

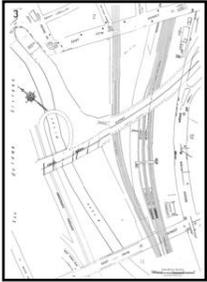


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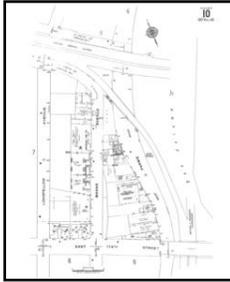


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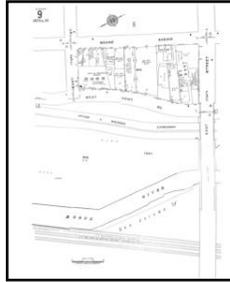
2002 Source Sheets



Volume 17, Sheet 3

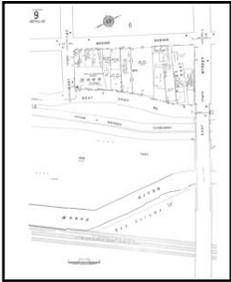


Volume 16, Sheet 10



Volume 16, Sheet 9

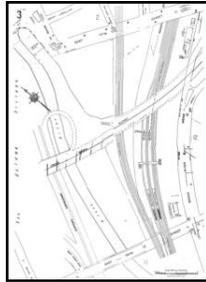
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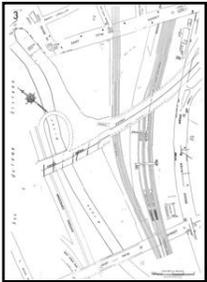


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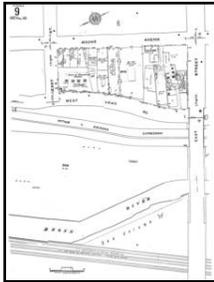


Volume 17, Sheet 3

1998 Source Sheets



Volume 17, Sheet 3



Volume 16, Sheet 9



Volume 16, Sheet 10

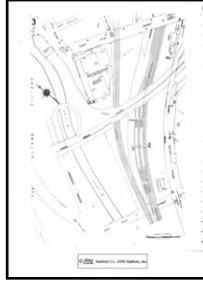
1996 Source Sheets



Volume 16, Sheet 9



Volume 16, Sheet 10



Volume 17, Sheet 3

1995 Source Sheets



Volume 17, Sheet 3



Volume 16, Sheet 10



Volume 16, Sheet 9

1994 Source Sheets



Volume 16, Sheet 9

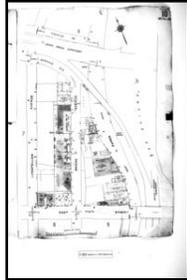


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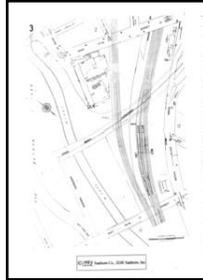
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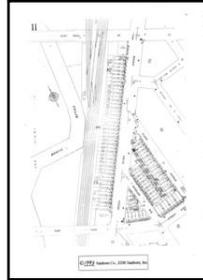
Volume 16, Sheet 9



Volume 16, Sheet 10



Volume 17, Sheet 3



Volume 17, Sheet 11

1992 Source Sheets



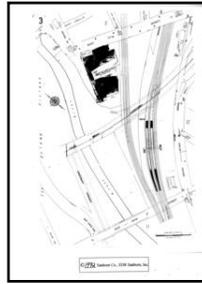
Volume 16, Sheet 8



Volume 16, Sheet 9



Volume 16, Sheet 10



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1991 Source Sheets



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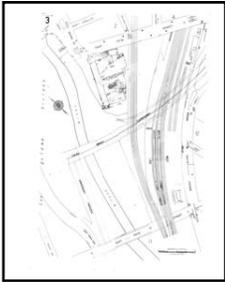


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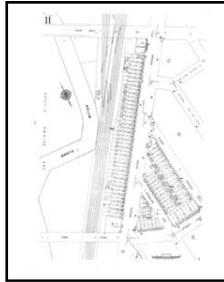


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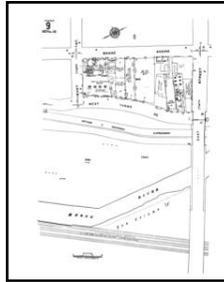
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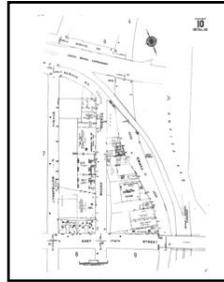
Volume 17, Sheet 3



Volume 17, Sheet 11

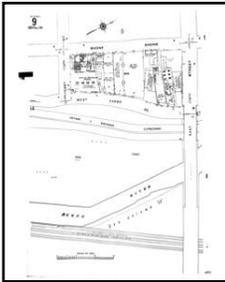


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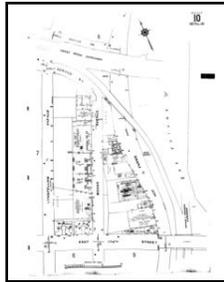


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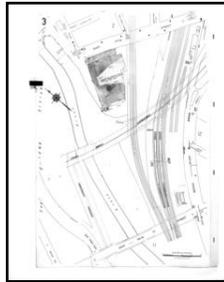
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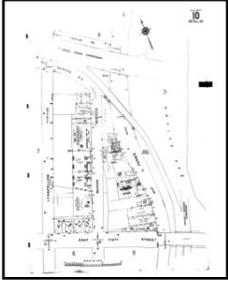


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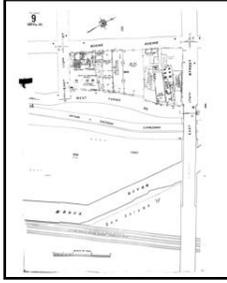


Volume 17, Sheet 3

1985 Source Sheets

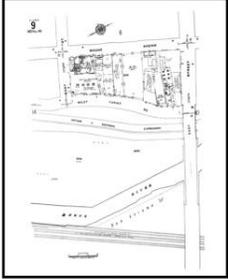


Volume 16, Sheet 10



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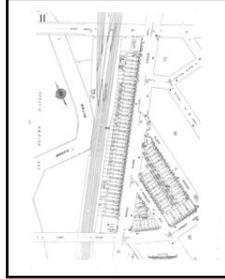
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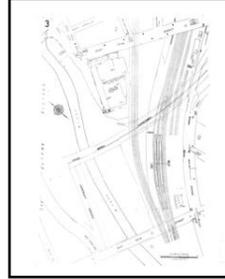
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Volume 16, Sheet 10



Volume 17, Sheet 11



Volume 17, Sheet 3

1981 Source Sheets



Volume 16, Sheet 9

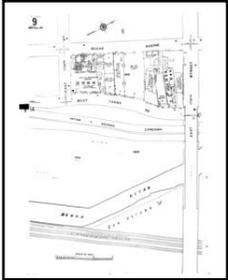


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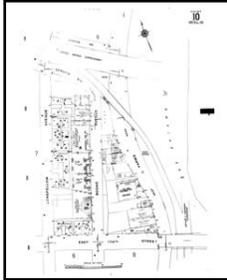


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1980 Source Sheets

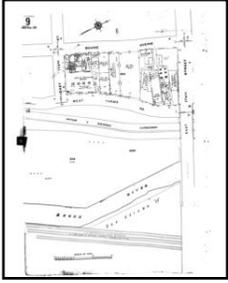


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Volume 16, Sheet 10

1979 Source Sheets

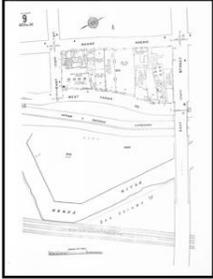


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Volume 16, Sheet 10

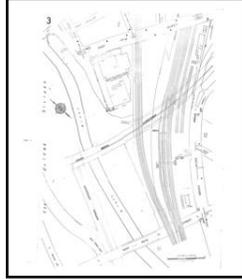
1978 Source Sheets



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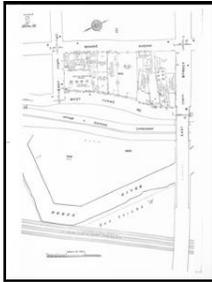


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1977 Source Sheets



Volume 17, Sheet 3

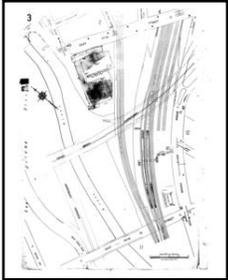


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1969 Source Sheets

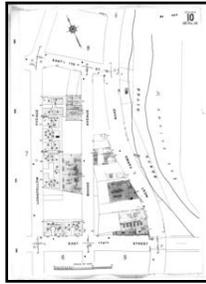


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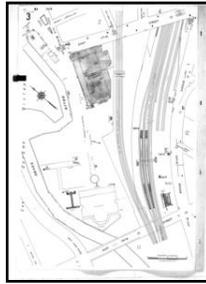
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Volume 16, Sheet 9

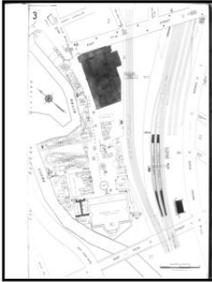


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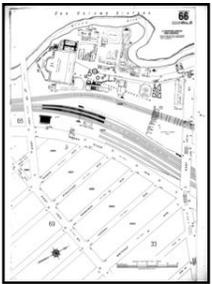
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1928 Source Sheets



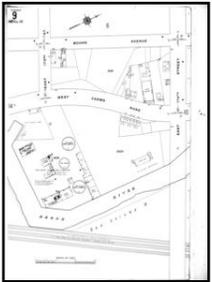
Volume 17, Sheet 3

1919 Source Sheets

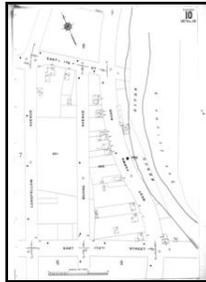


Volume 17, Sheet 66

1915 Source Sheets



Volume 16, Sheet 9



Volume 16, Sheet 10

1903 Source Sheets



Volume Atlas Maps, Sheet 09



Volume Atlas Maps, Sheet 1

1901 Source Sheets



Volume 14, Sheet 40

1896 Source Sheets



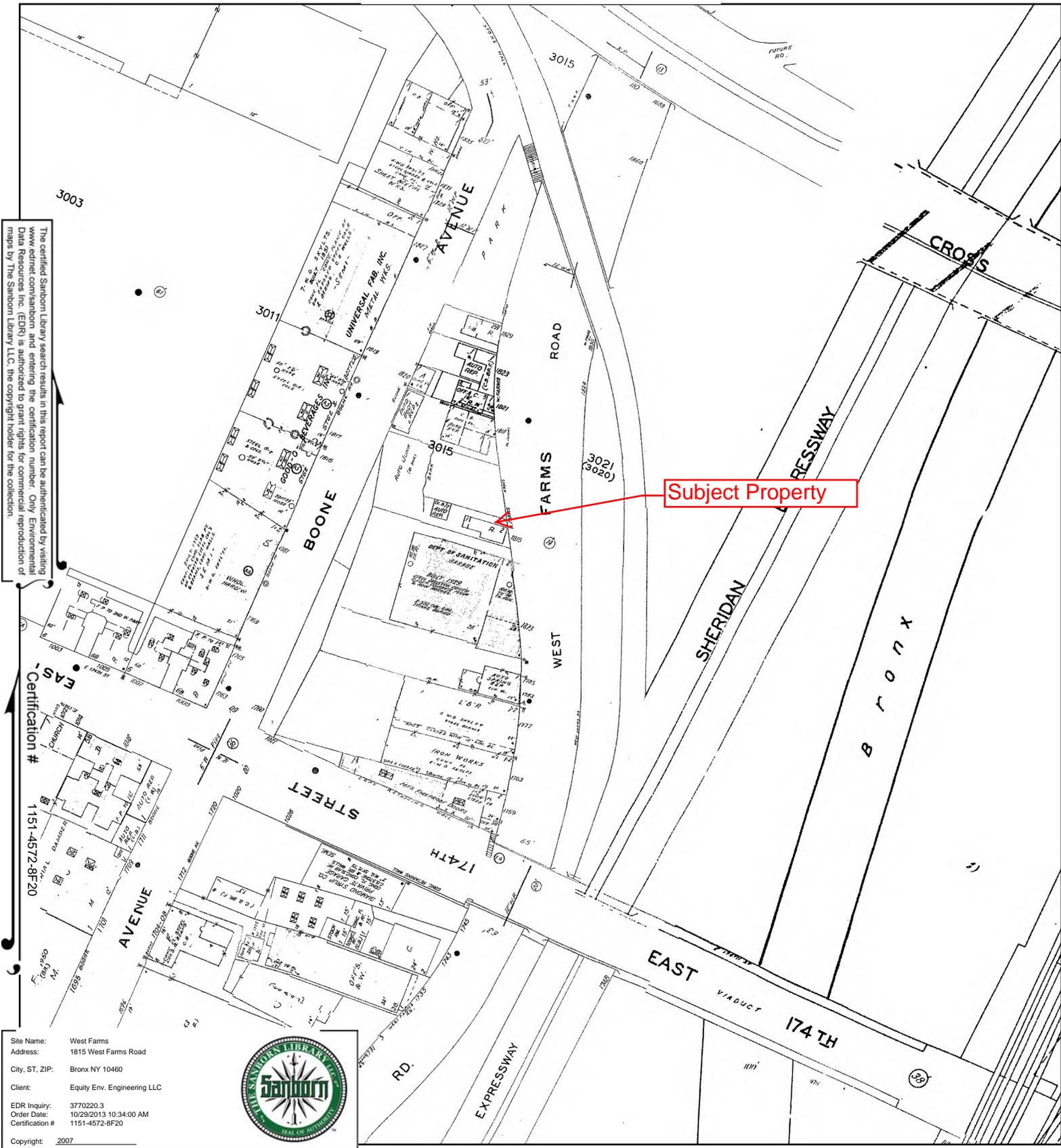
Volume 12, Sheet 260.5



Volume 12, Sheet 261

2007 Certified Sanborn Map

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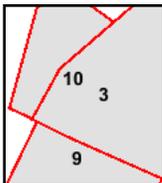
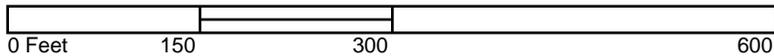
Subject Property

Site Name: West Farms
 Address: 1815 West Farms Road
 City, ST, ZIP: Bronx NY 10460
 Client: Equity Env. Engineering LLC
 EDR Inquiry: 3770220.3
 Order Date: 10/29/2013 10:34:00 AM
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Copyright: 2007

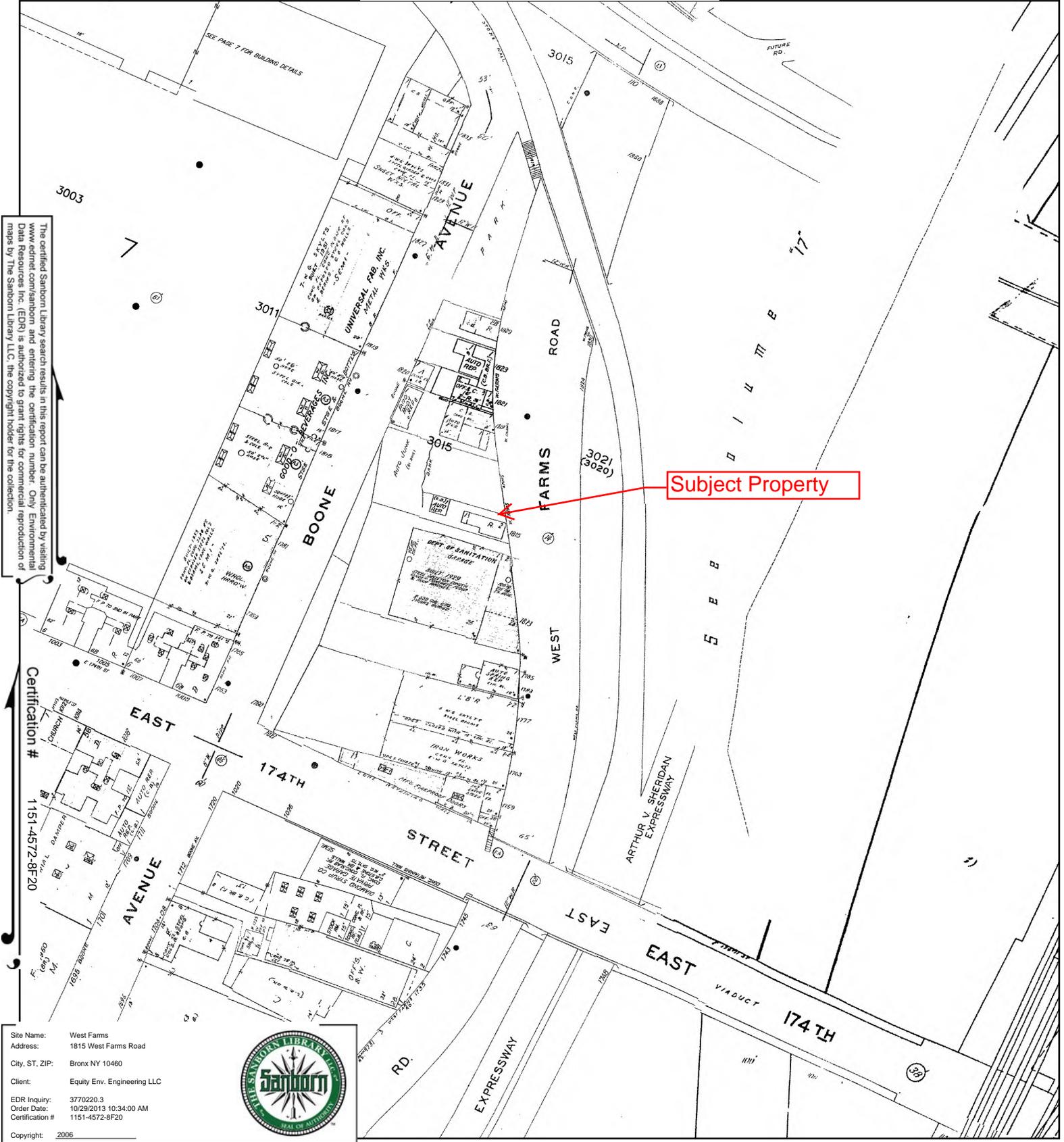
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Volume 17, Sheet 3
 Volume 16, Sheet 9
 Volume 16, Sheet 10



2006 Certified Sanborn Map



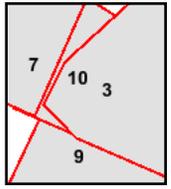
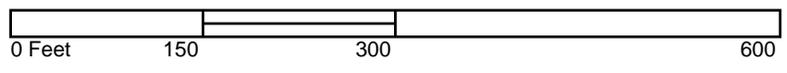
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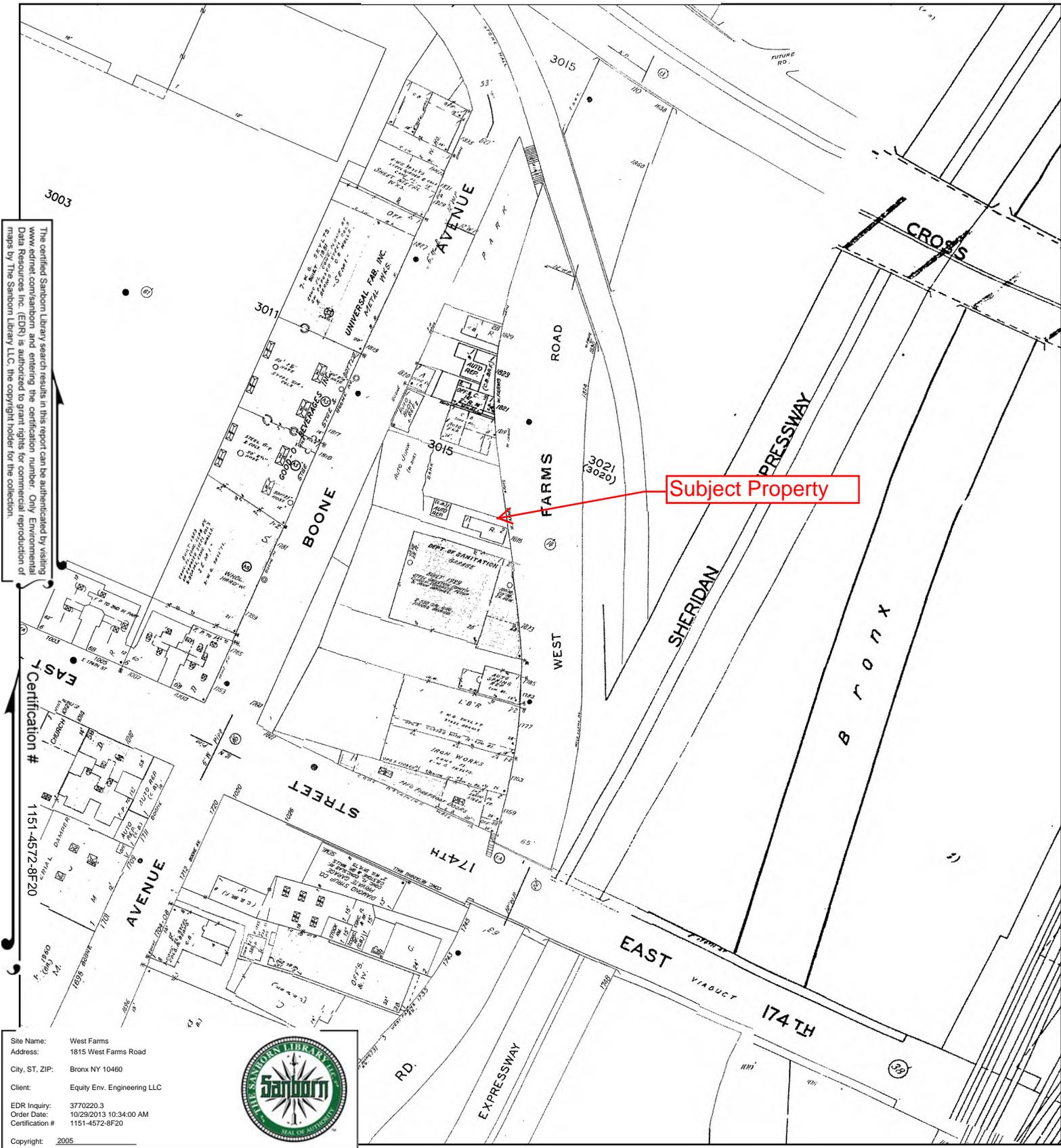
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 3



2005 Certified Sanborn Map



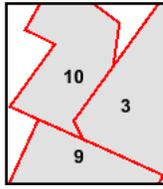
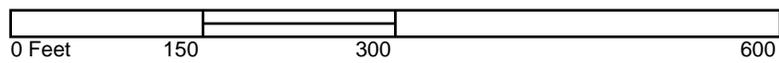
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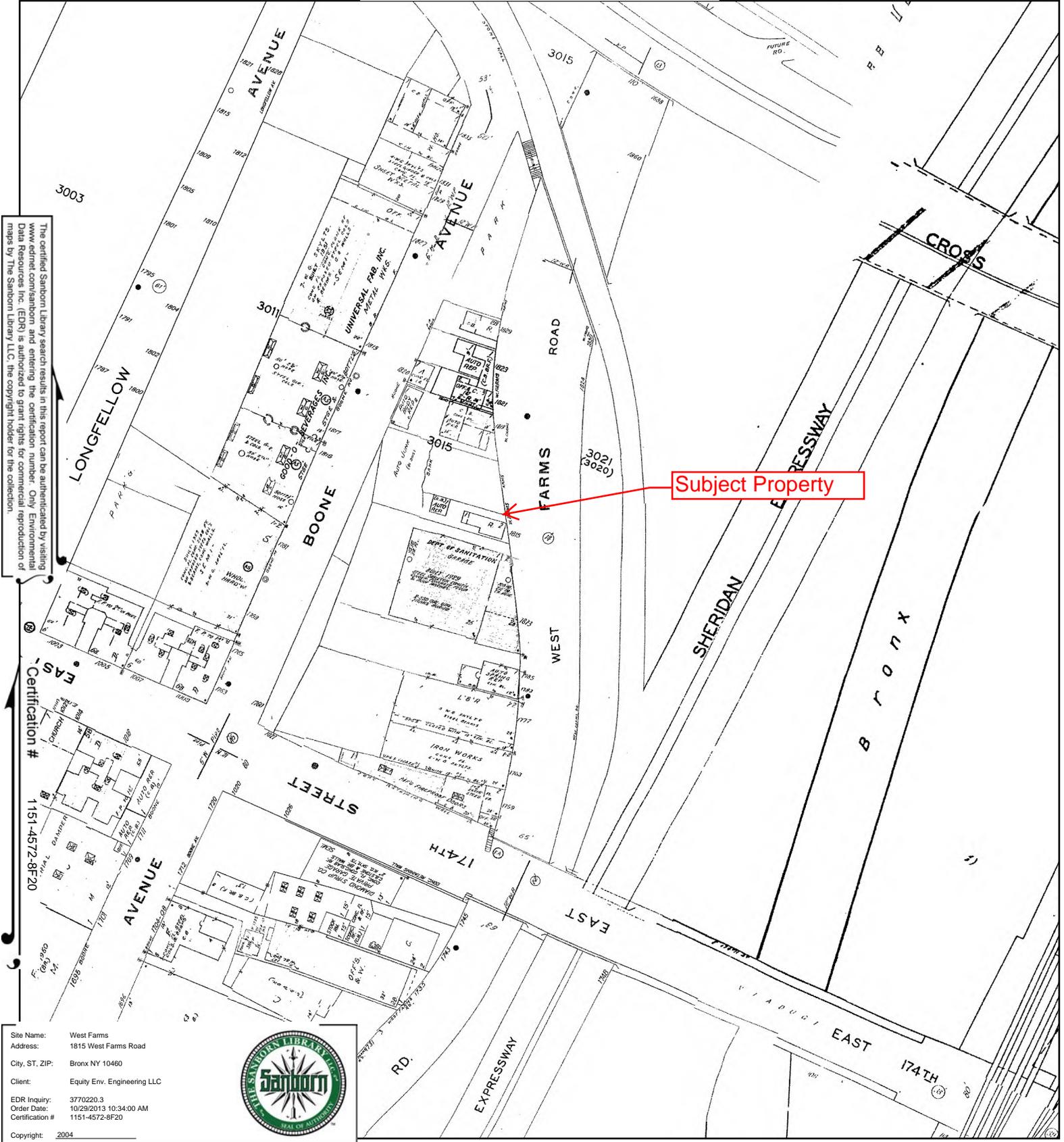
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- Volume 17, Sheet 3
- Volume 16, Sheet 9
- Volume 16, Sheet 10



2004 Certified Sanborn Map



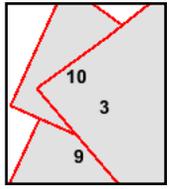
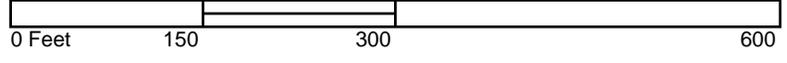
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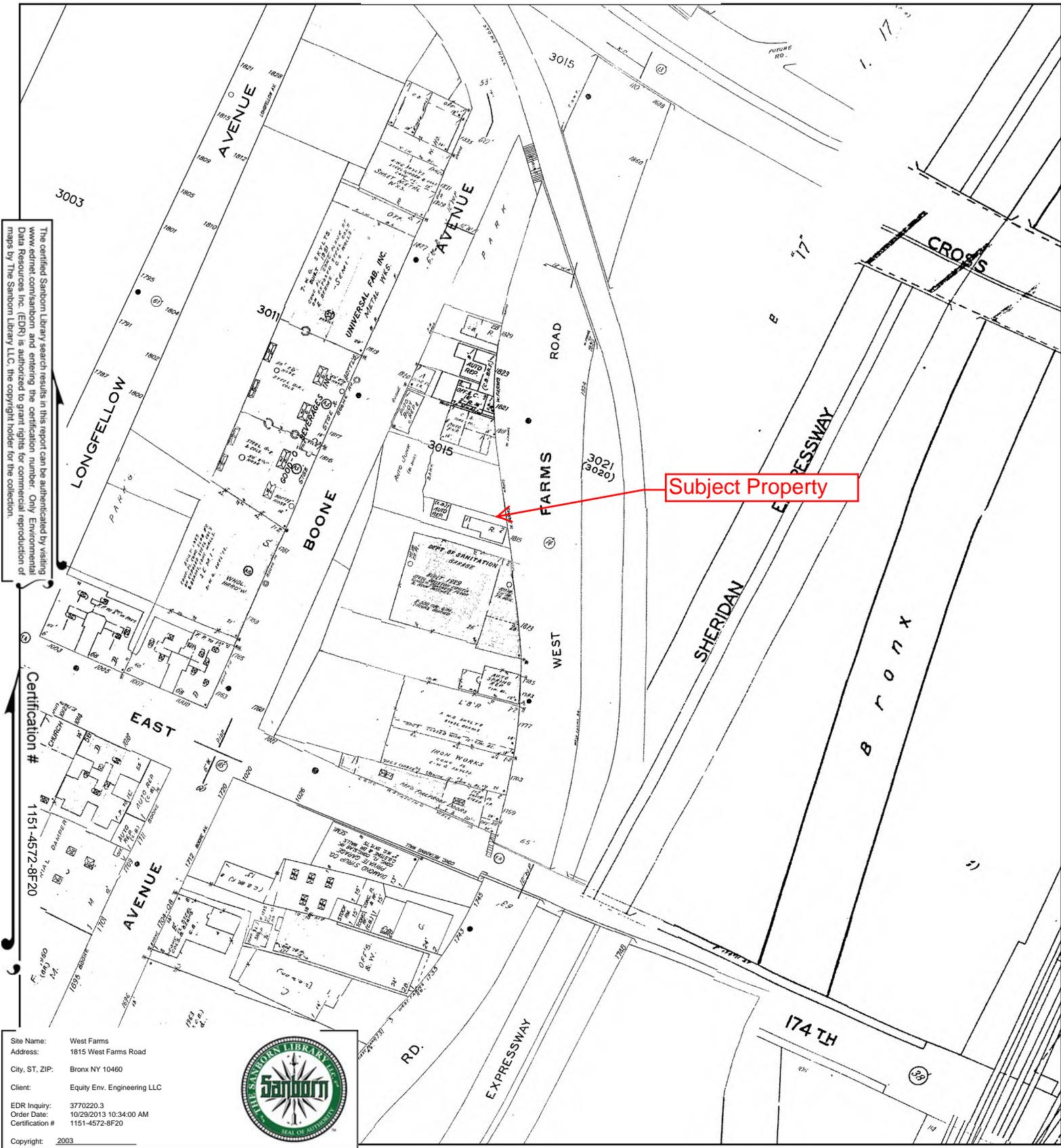
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 3



2003 Certified Sanborn Map



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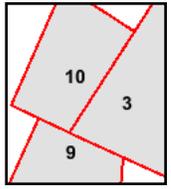
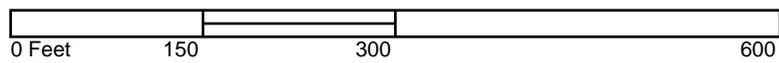
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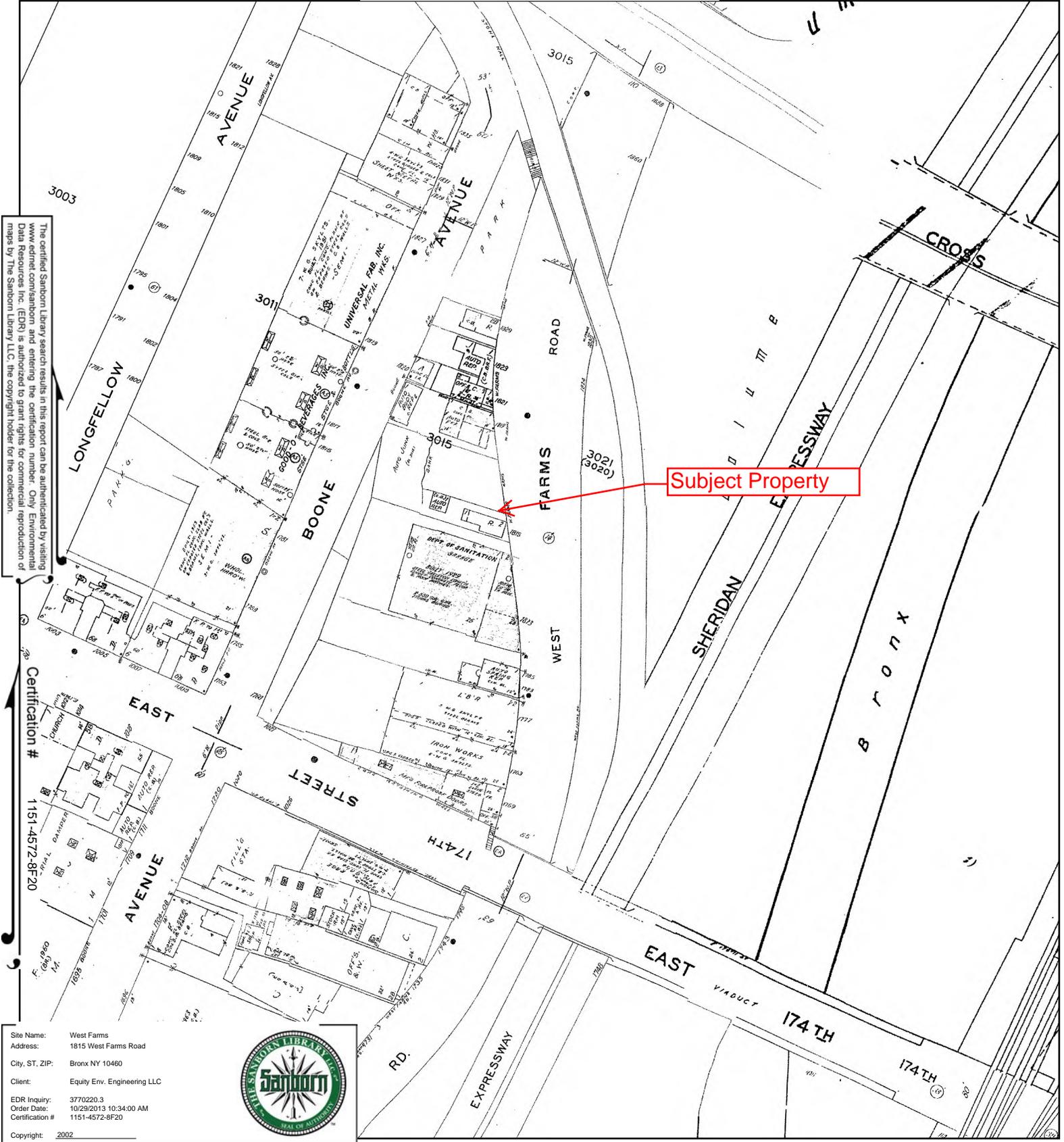
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 3



2002 Certified Sanborn Map



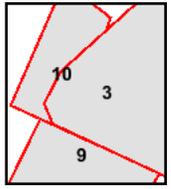
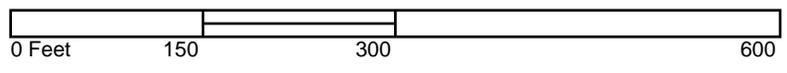
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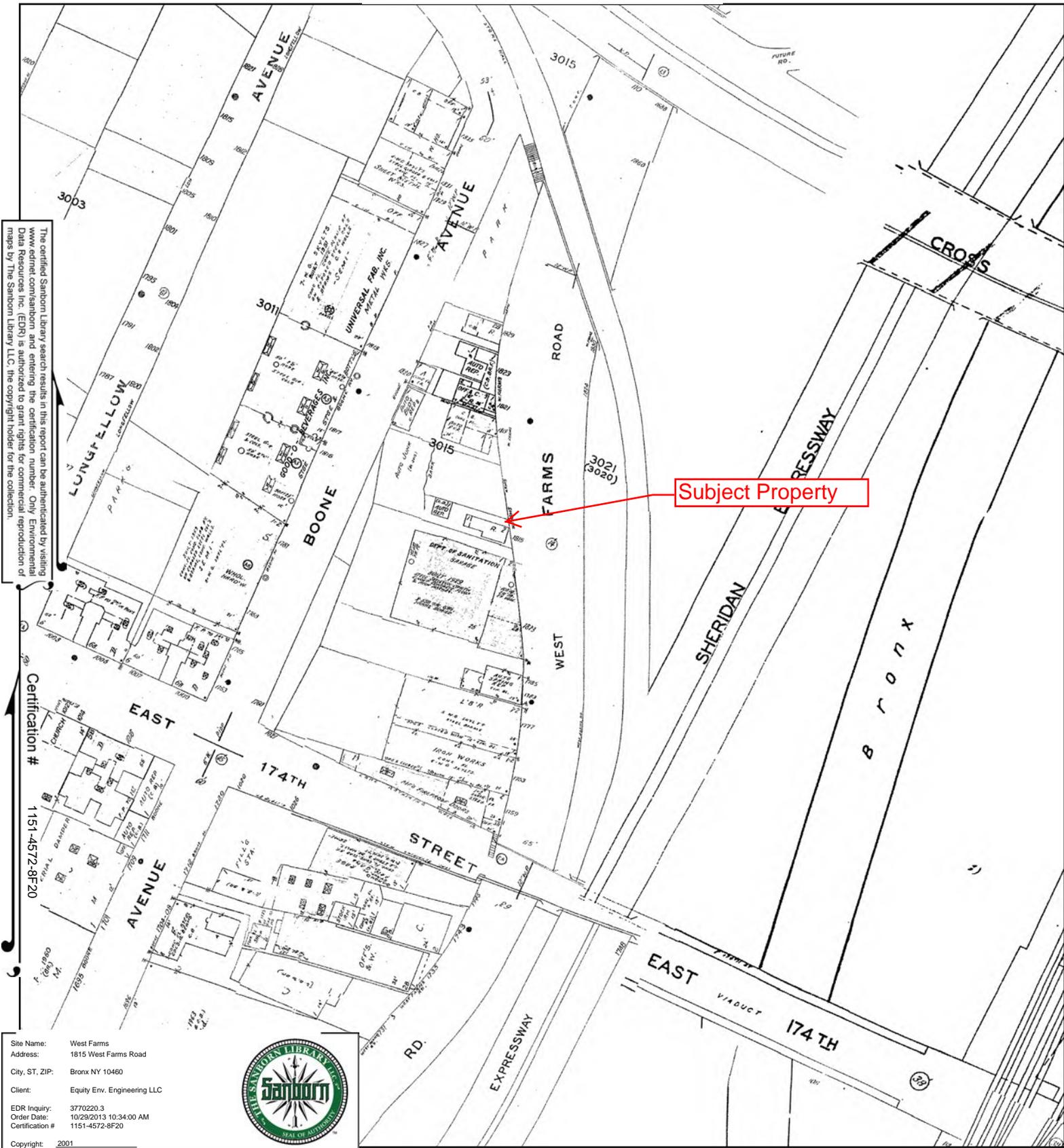
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Volume 17, Sheet 3
 Volume 16, Sheet 10
 Volume 16, Sheet 9



2001 Certified Sanborn Map



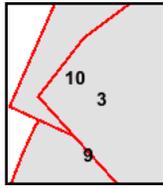
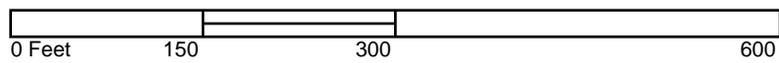
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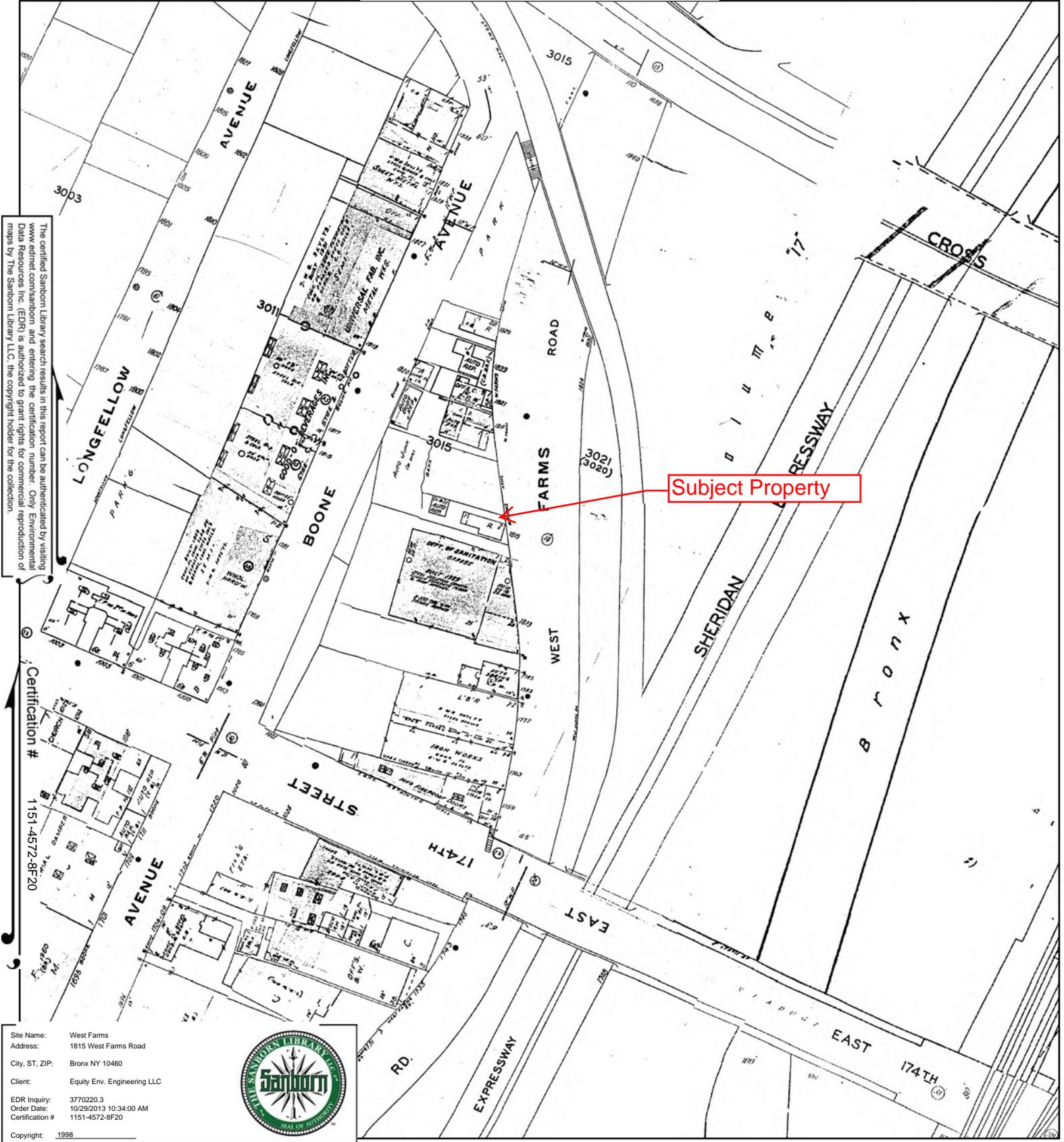
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Volume 16, Sheet 9
 Volume 16, Sheet 10
 Volume 17, Sheet 3



1998 Certified Sanborn Map



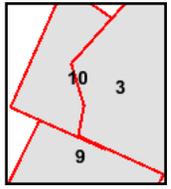
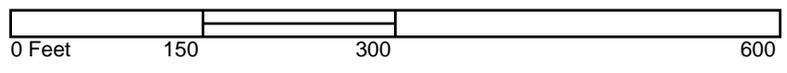
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 Copyright: 1998



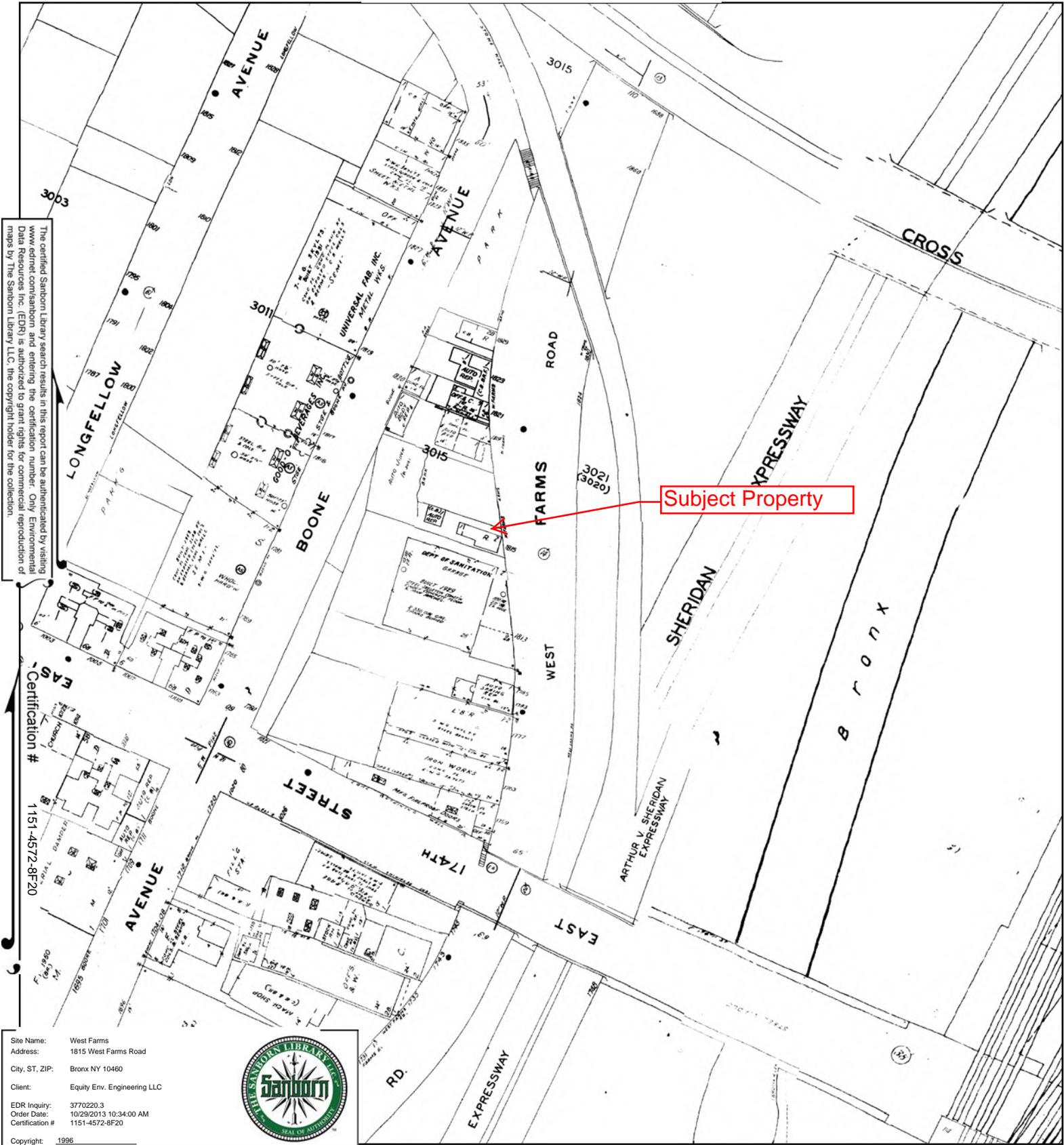
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- Volume 17, Sheet 3
- Volume 16, Sheet 9
- Volume 16, Sheet 10



1996 Certified Sanborn Map



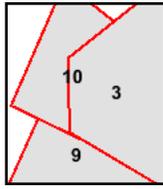
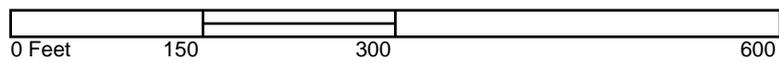
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Copyright: 1996



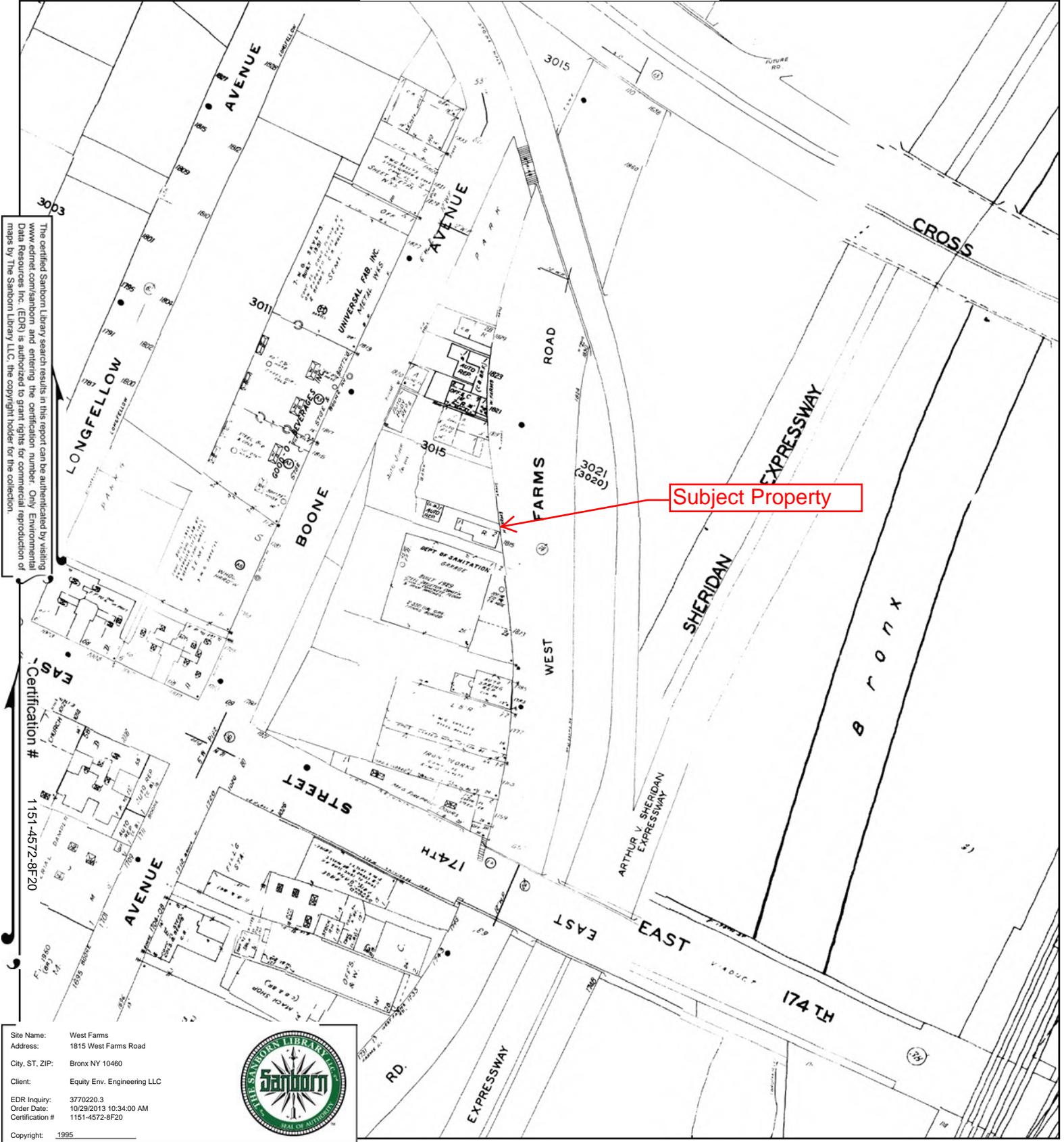
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Volume 16, Sheet 9
Volume 16, Sheet 10
Volume 17, Sheet 3



1995 Certified Sanborn Map



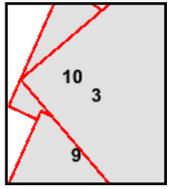
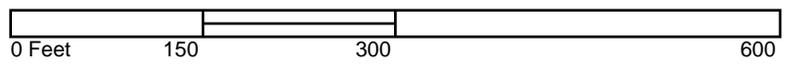
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 Copyright: 1995



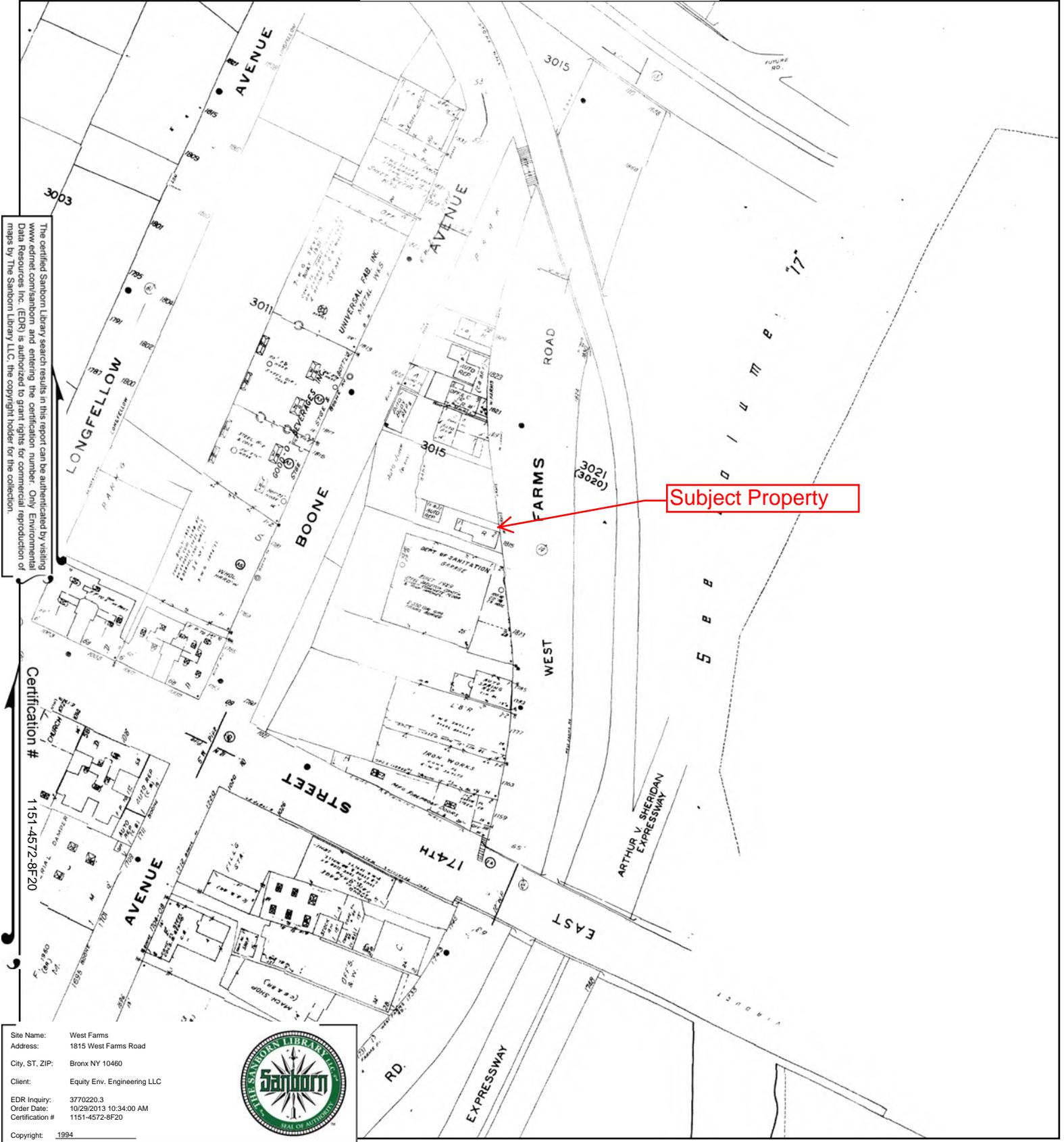
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Volume 17, Sheet 3
 Volume 16, Sheet 10
 Volume 16, Sheet 9



1994 Certified Sanborn Map



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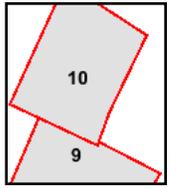
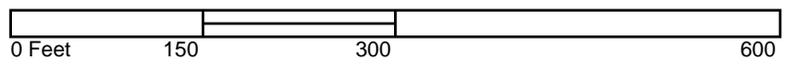
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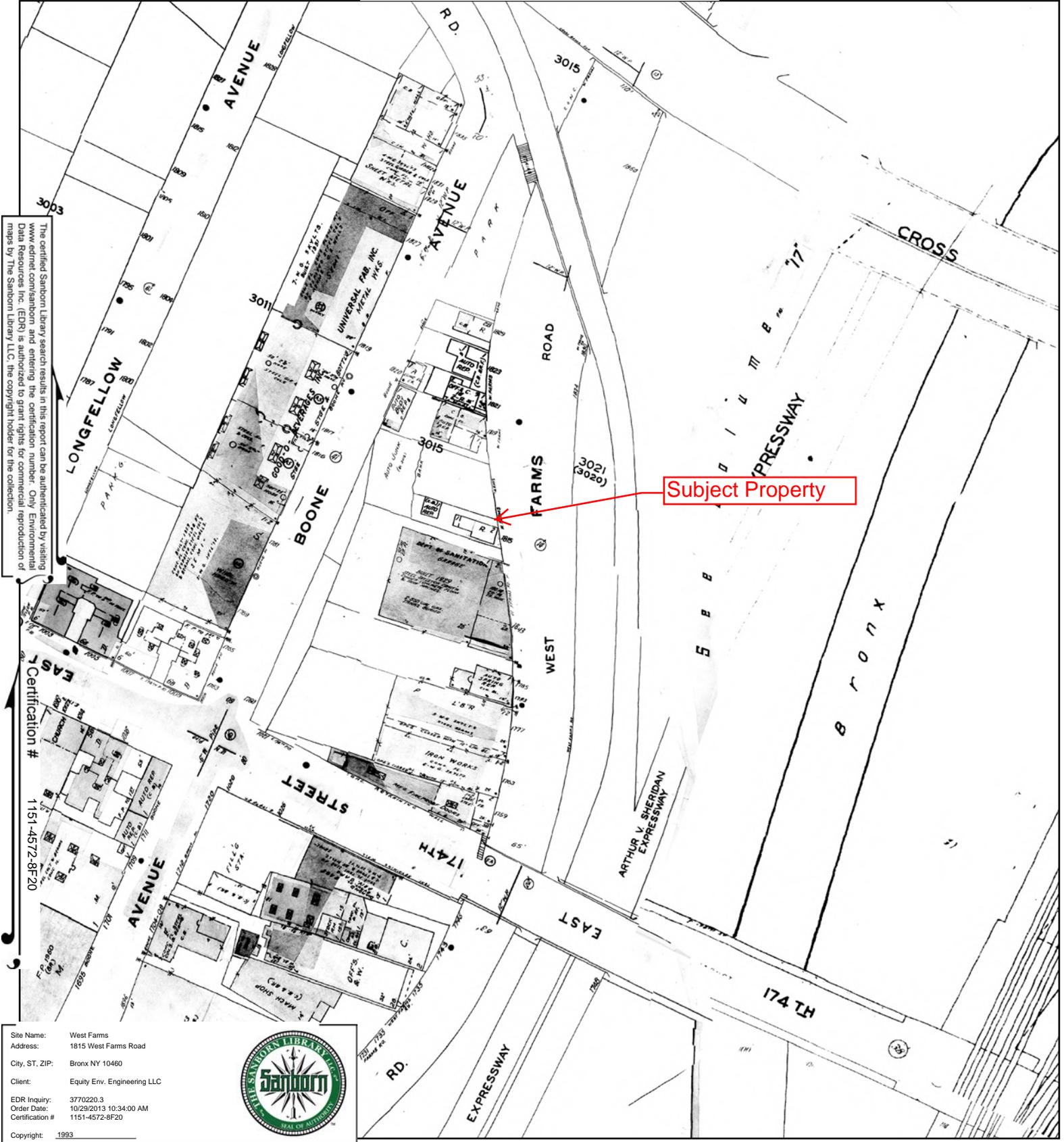
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Volume 16, Sheet 9
 Volume 16, Sheet 10



1993 Certified Sanborn Map



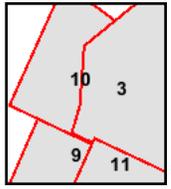
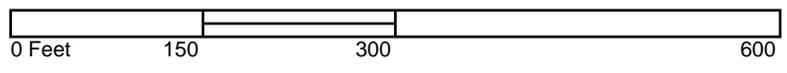
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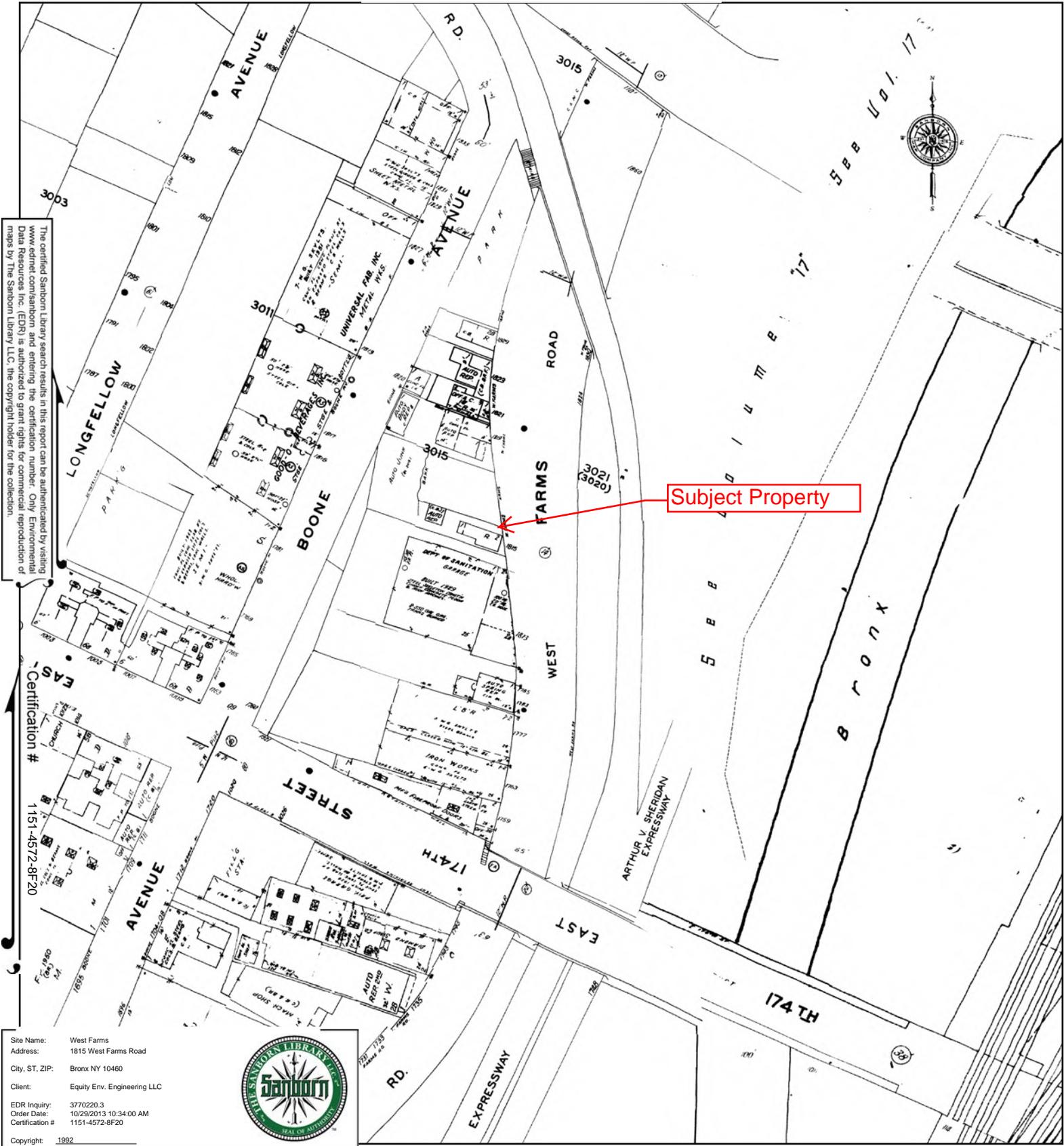
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 3
- Volume 17, Sheet 11



1992 Certified Sanborn Map



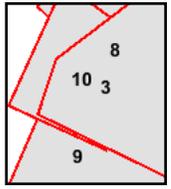
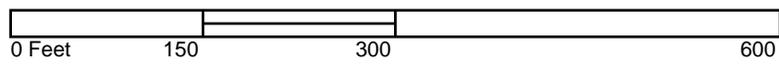
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Copyright: 1992



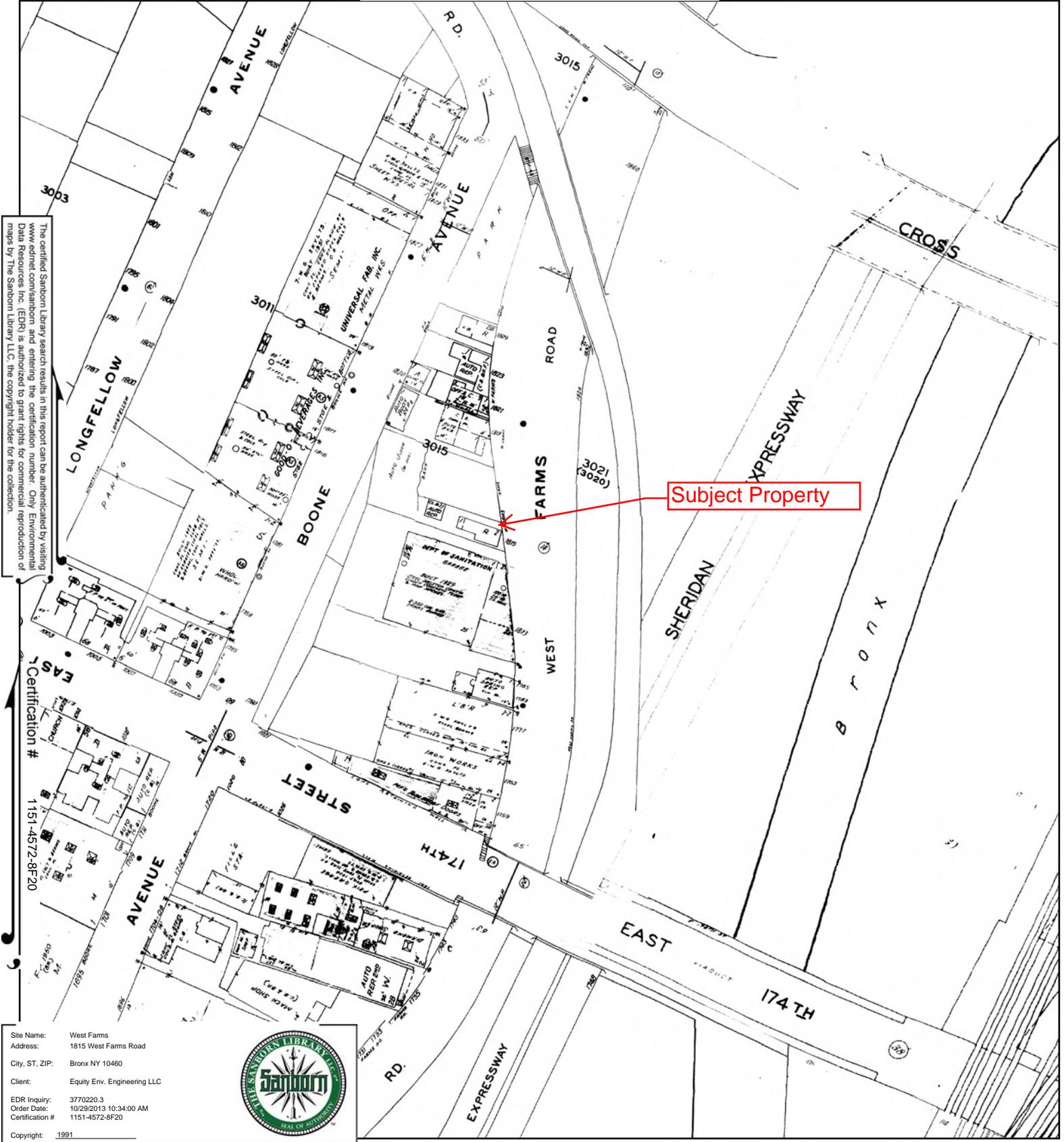
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 3



1991 Certified Sanborn Map

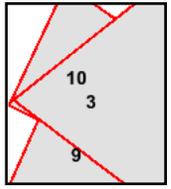
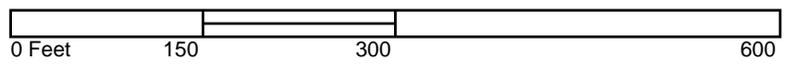


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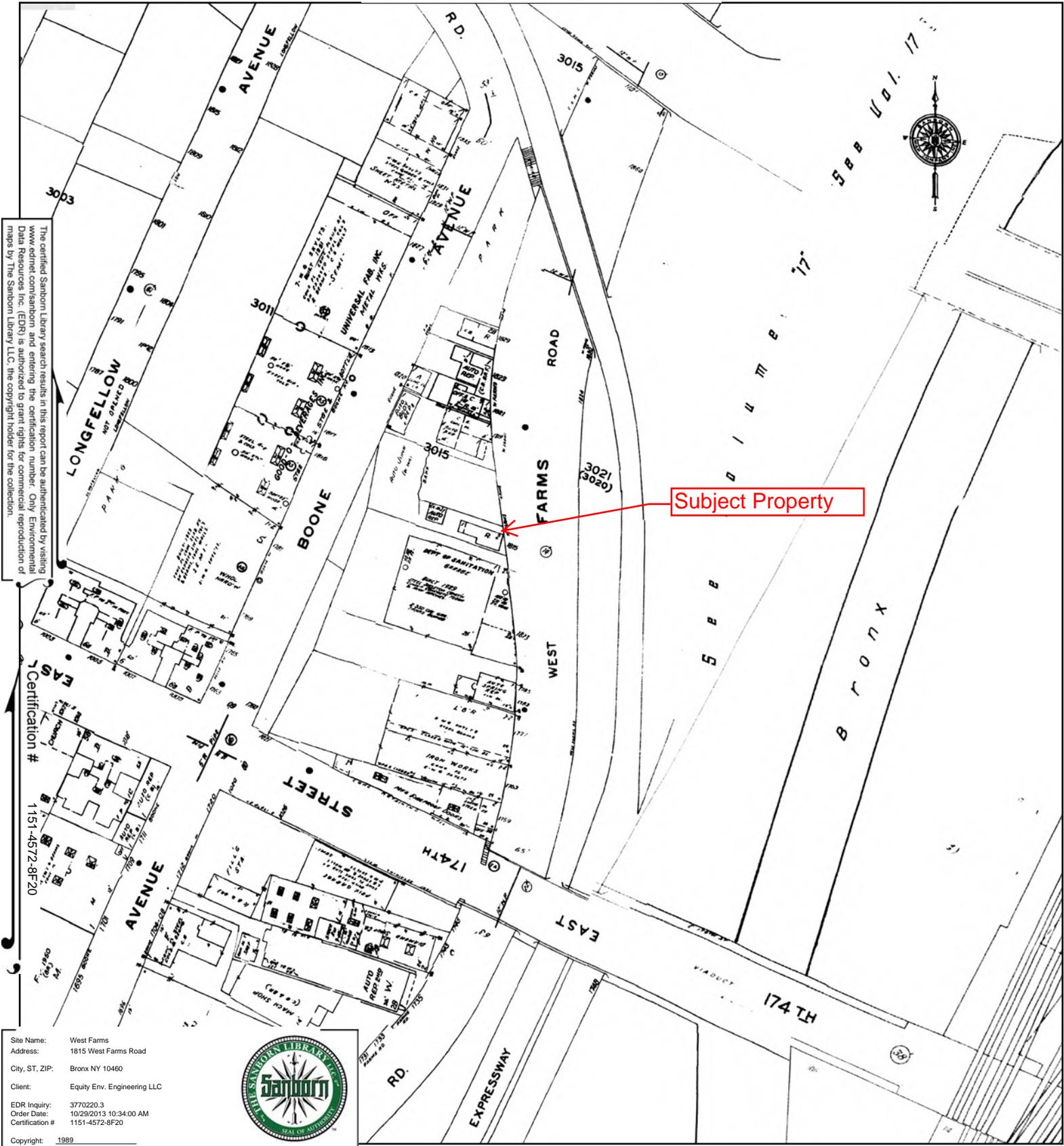
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- Volume 17, Sheet 3
- Volume 16, Sheet 9
- Volume 16, Sheet 10



1989 Certified Sanborn Map



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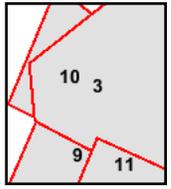
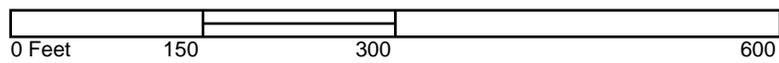
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Copyright: 1989

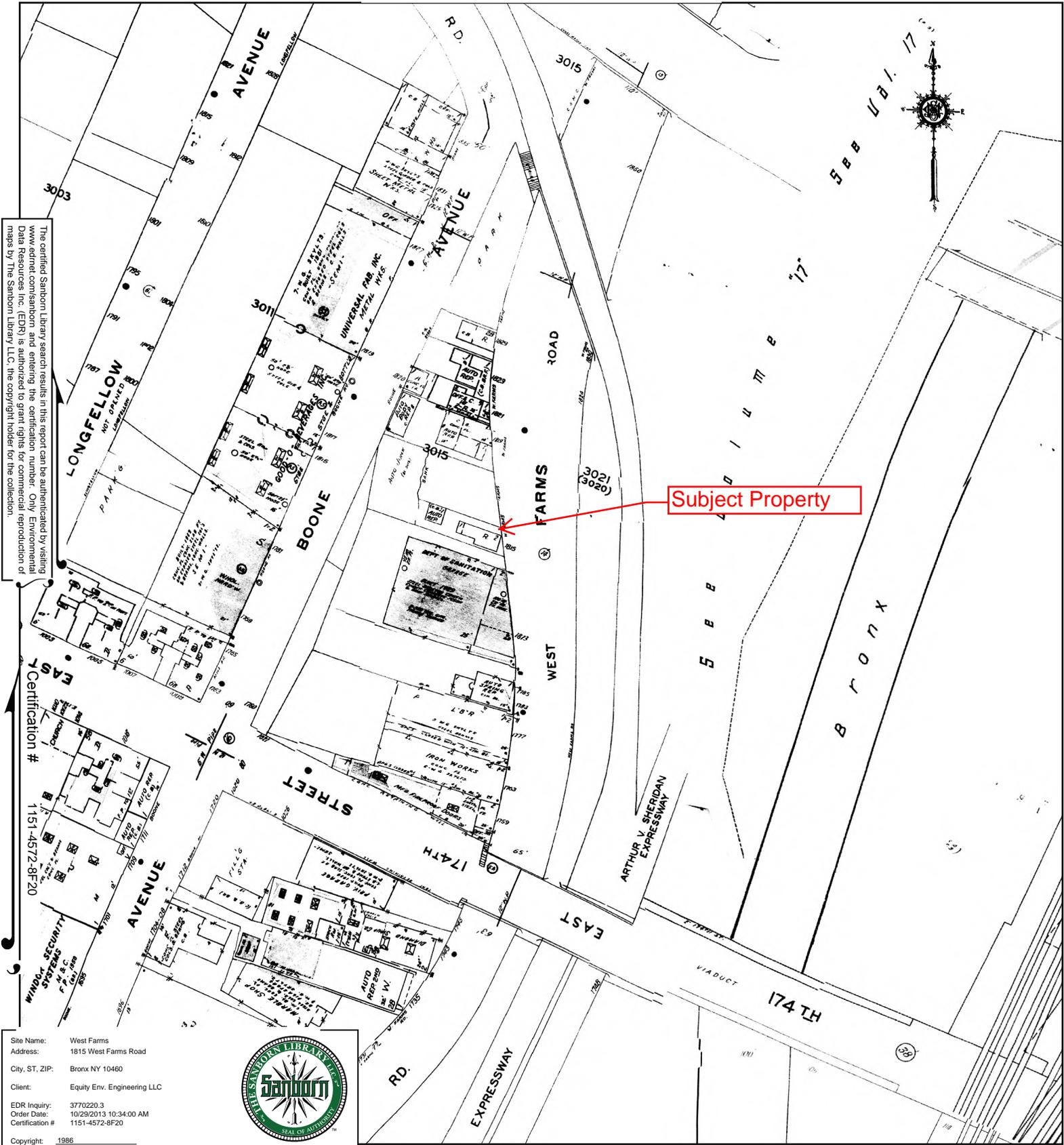
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- Volume 17, Sheet 3
- Volume 17, Sheet 11
- Volume 16, Sheet 9
- Volume 16, Sheet 10



1986 Certified Sanborn Map

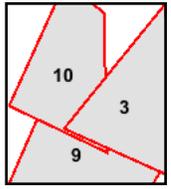
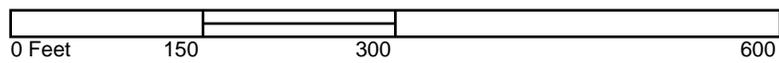


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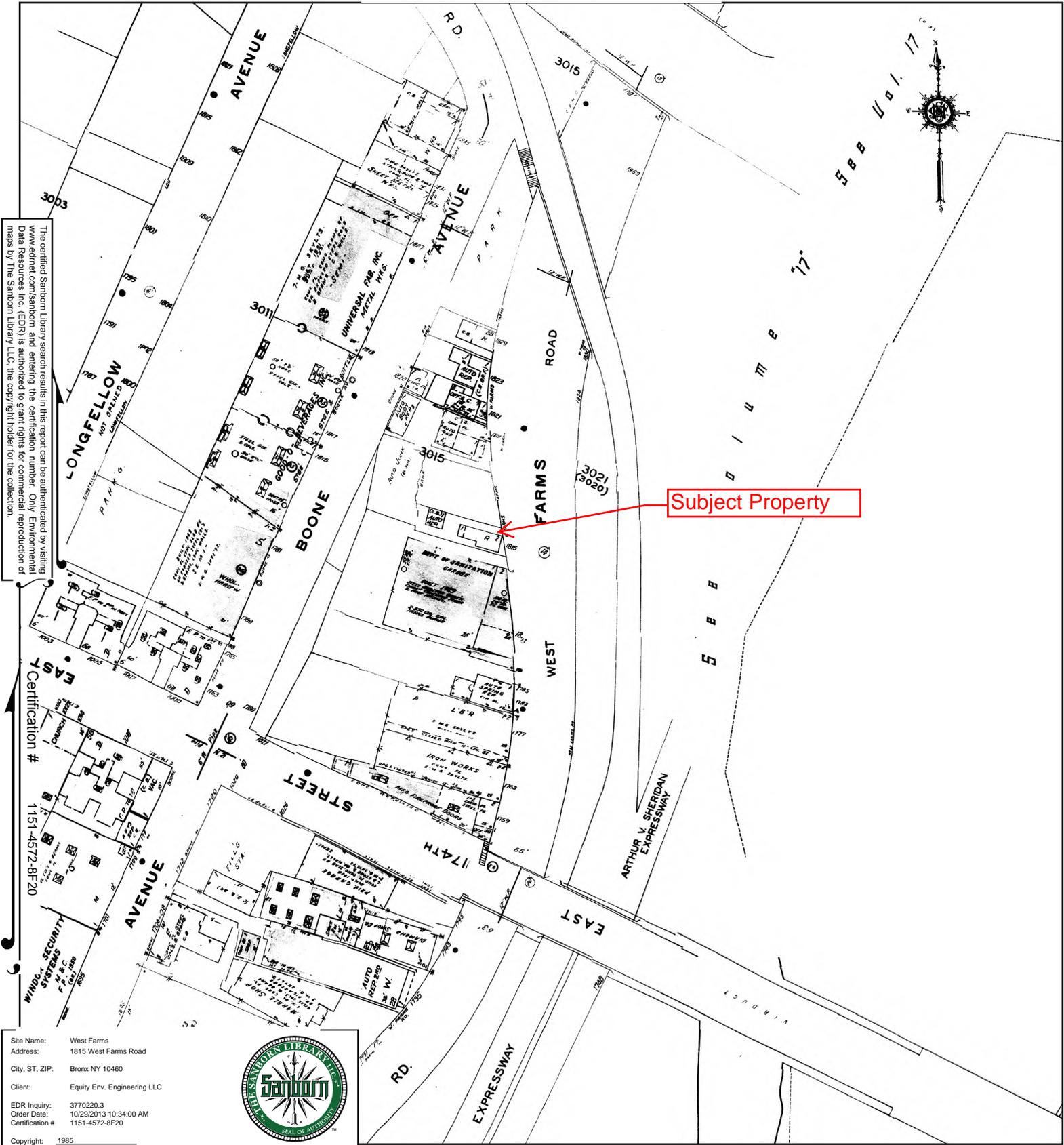
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 3



1985 Certified Sanborn Map

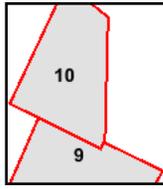
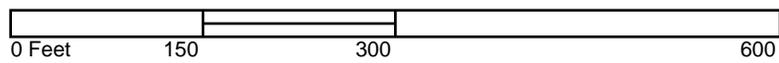


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 Copyright: 1985



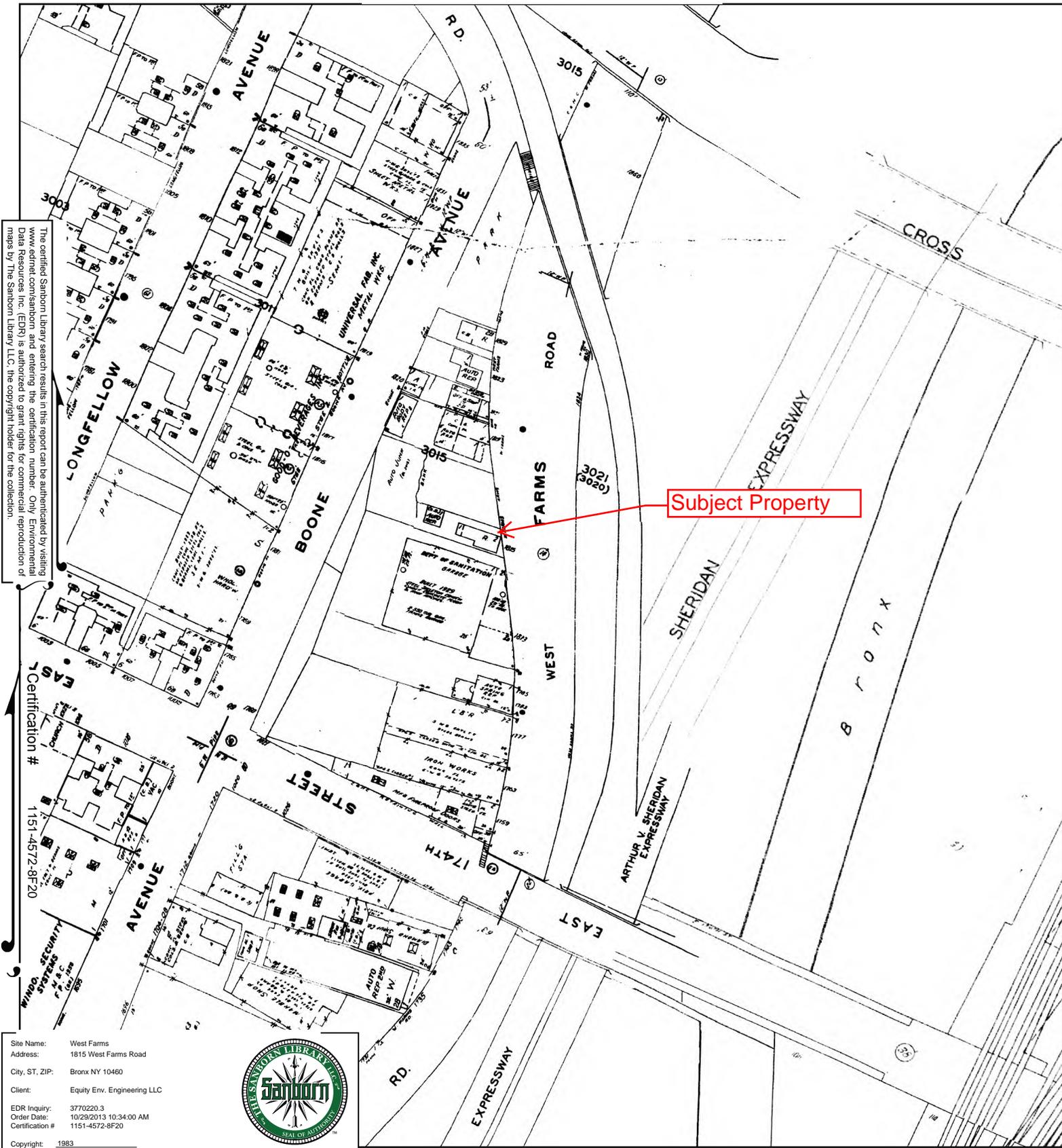
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Volume 16, Sheet 10
 Volume 16, Sheet 9



1983 Certified Sanborn Map



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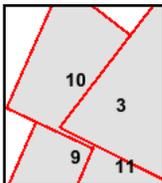
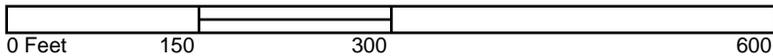
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 11
- Volume 17, Sheet 3



1981 Certified Sanborn Map

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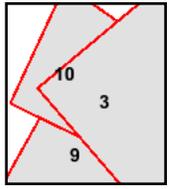
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Site Name: West Farms
 Address: 1815 West Farms Road
 City, ST, ZIP: Bronx NY 10460
 Client: Equity Env. Engineering LLC
 EDR Inquiry: 3770220.3
 Order Date: 10/29/2013 10:34:00 AM
 Certification #: 1151-4572-8F20

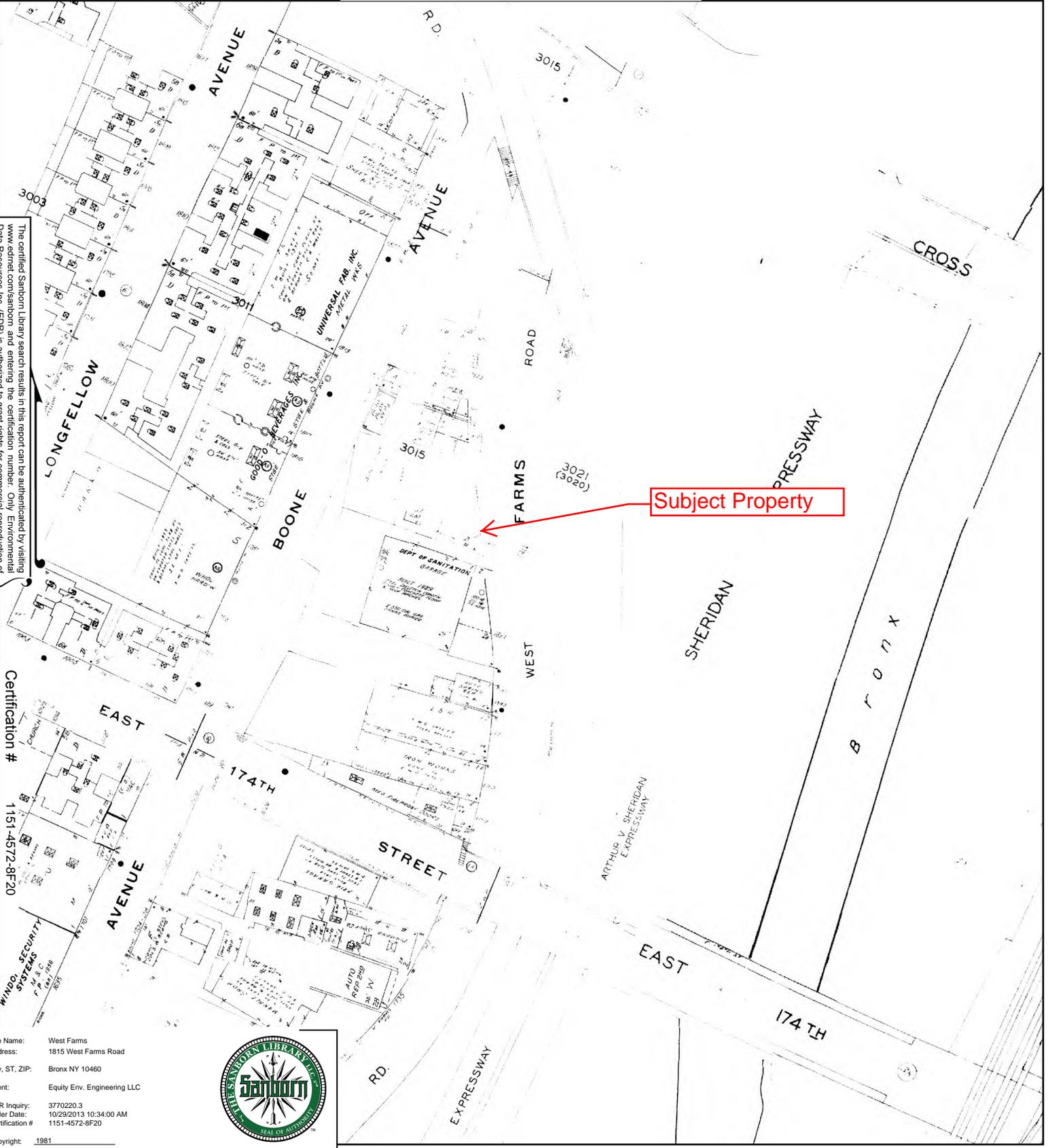
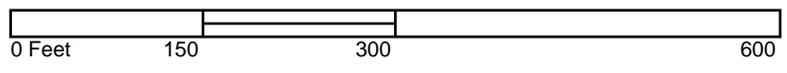


Copyright: 1981

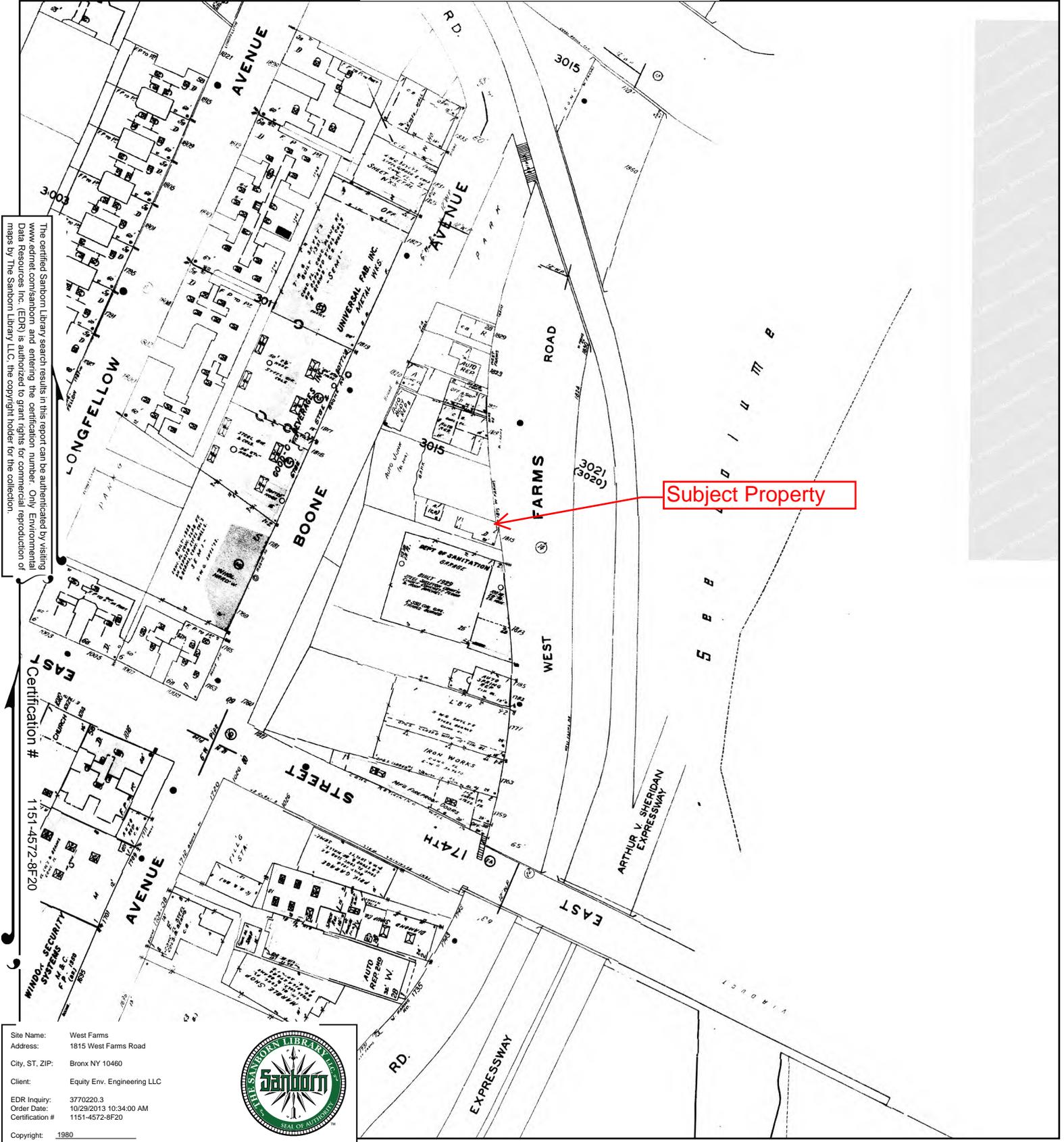
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 3



1980 Certified Sanborn Map



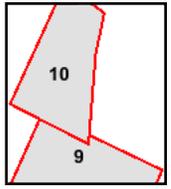
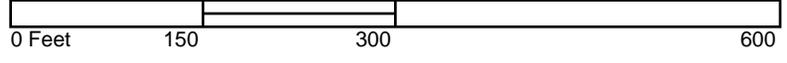
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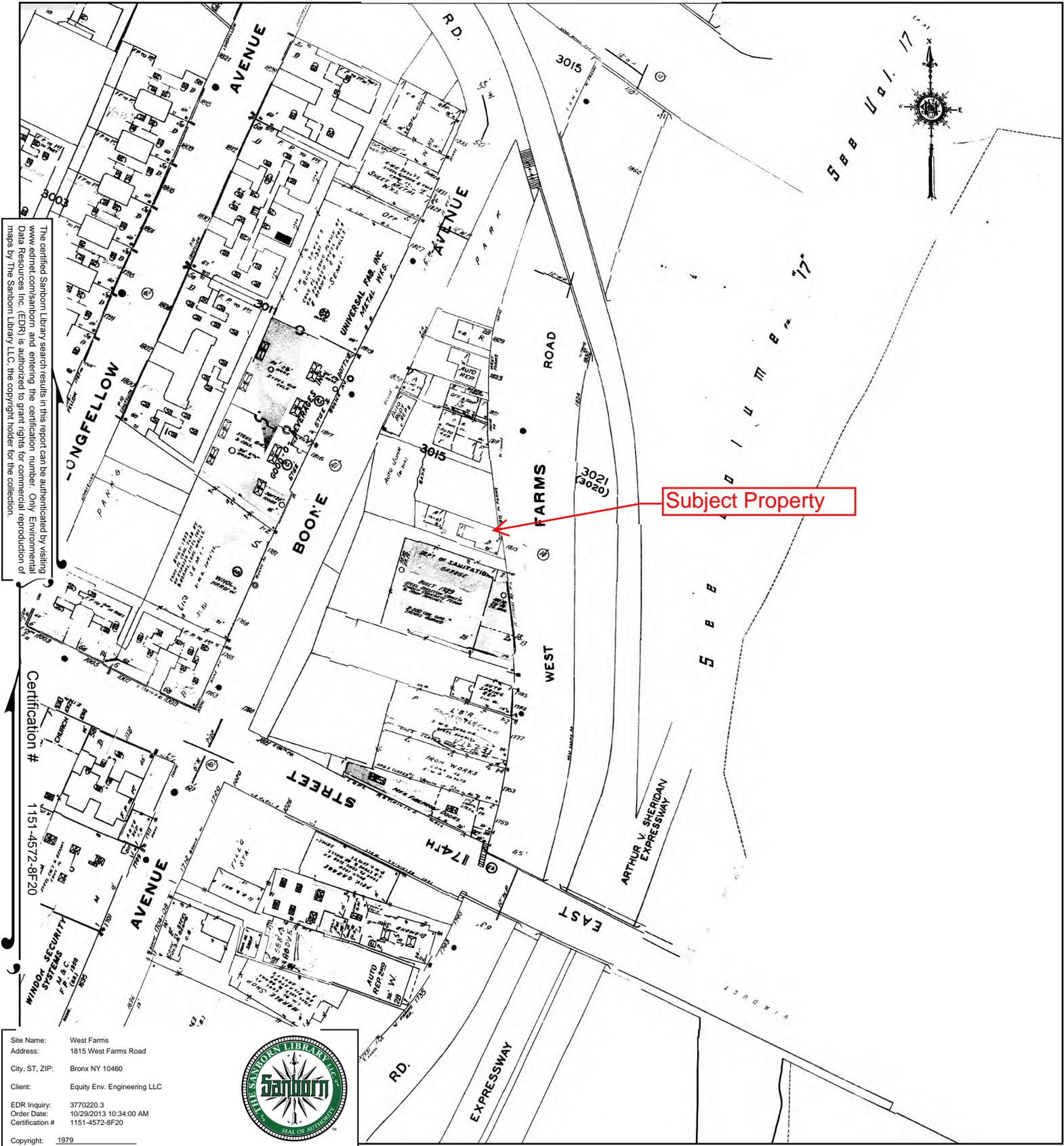
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Volume 16, Sheet 9
 Volume 16, Sheet 10



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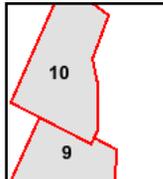
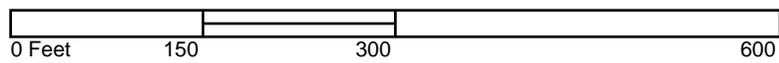
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 Client: Equity Env. Engineering LLC
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 Order Date: 10/29/2013 10:34:00 AM
 Certification # 1151-4572-8F20
 Copyright: 1979



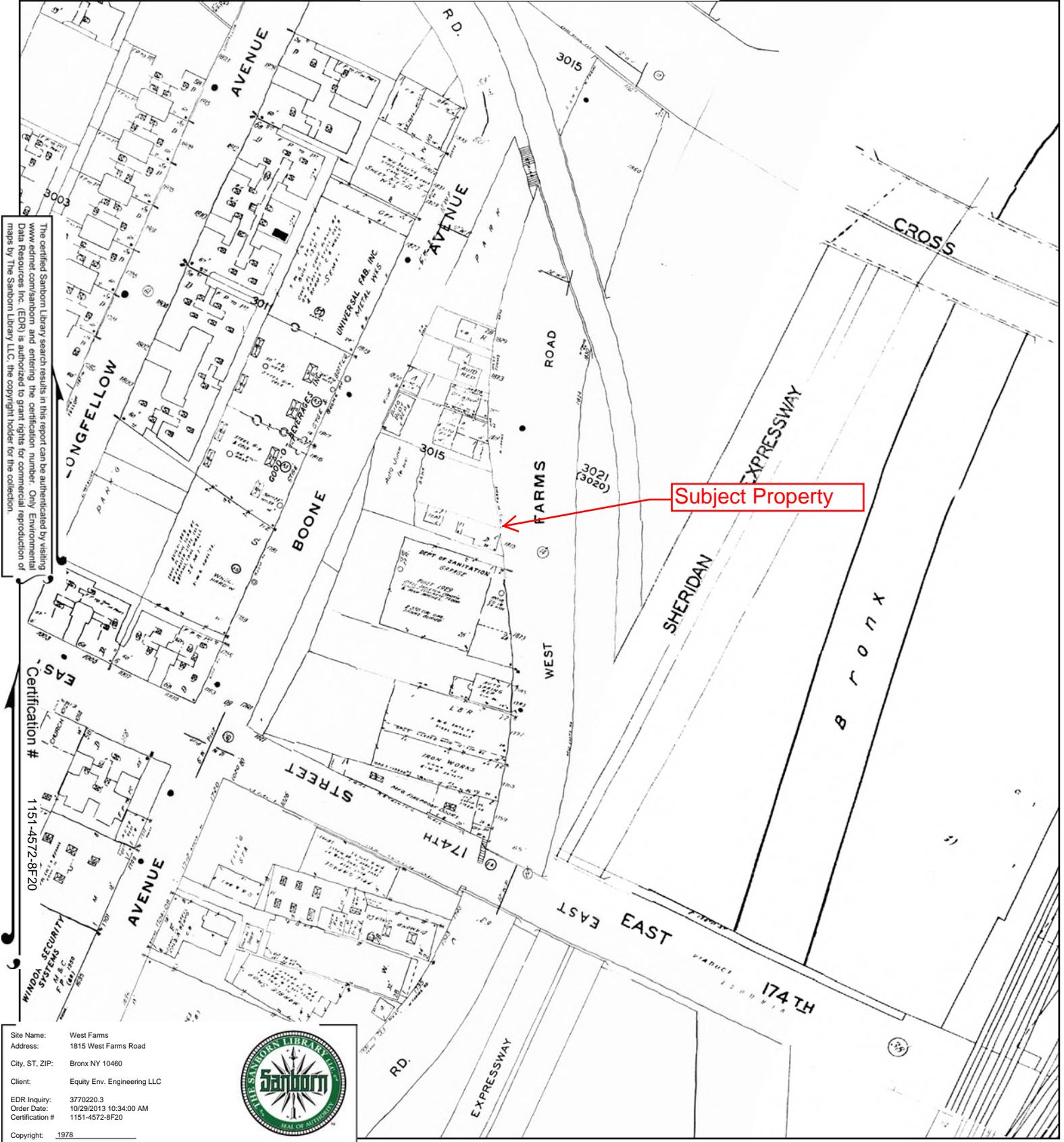
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Volume 16, Sheet 9
 Volume 16, Sheet 10



1978 Certified Sanborn Map



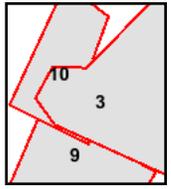
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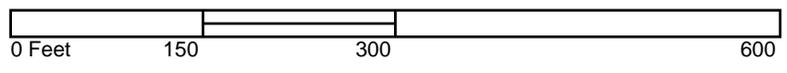
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 EDR Inquiry: 3770220.3
 Order Date: 10/29/2013 10:34:00 AM
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 Copyright: 1978



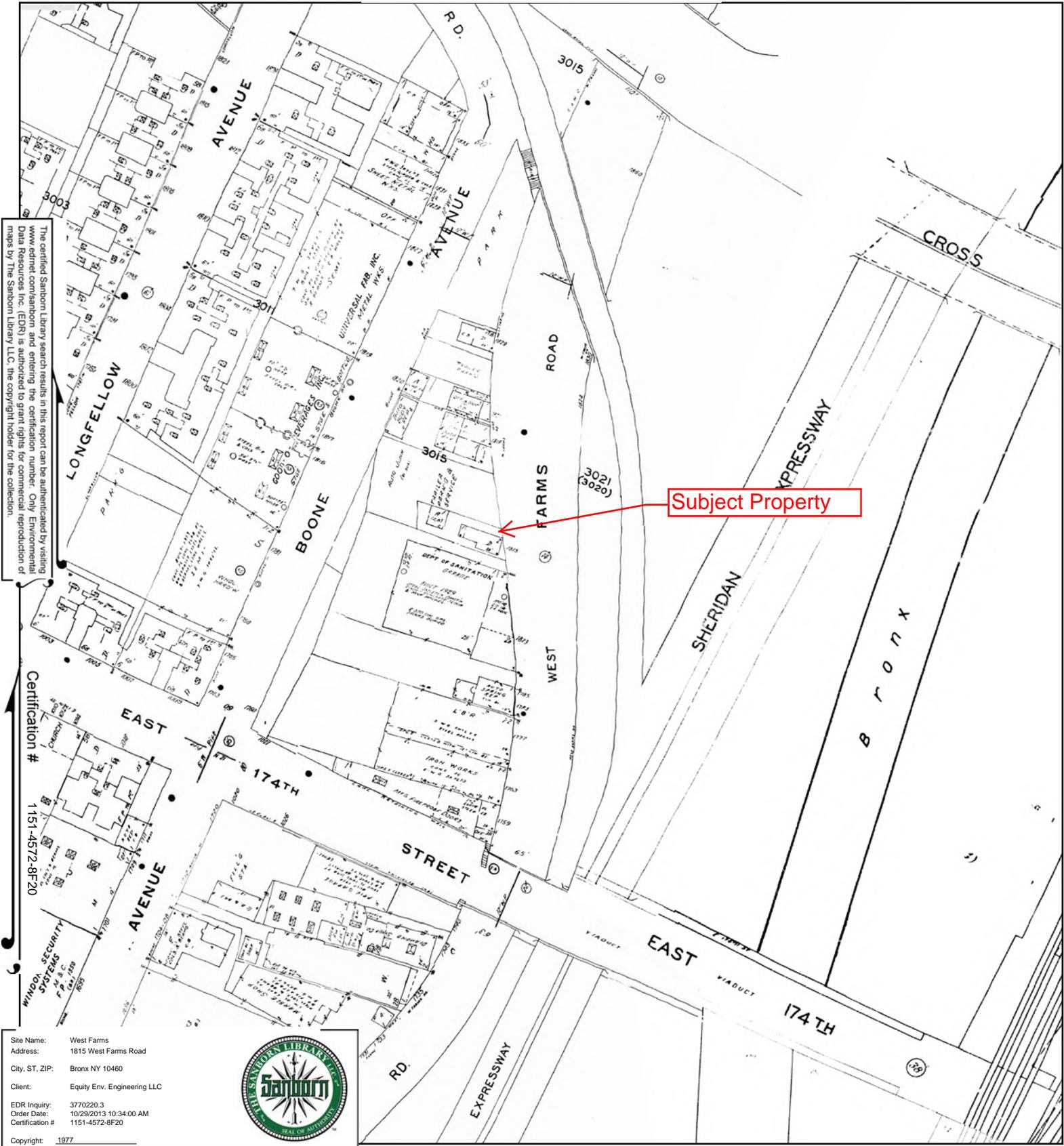
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- Volume 16, Sheet 9
- Volume 16, Sheet 10
- Volume 17, Sheet 3



1977 Certified Sanborn Map



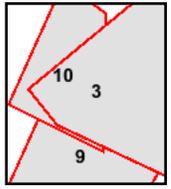
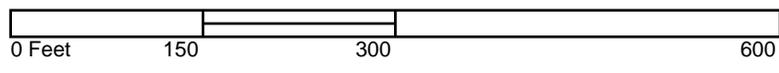
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 Address: 1815 West Farms Road
 City, ST, ZIP: Bronx NY 10460
 Client: Equity Env. Engineering LLC
 EDR Inquiry: 3770220.3
 Order Date: 10/29/2013 10:34:00 AM
 Certification #: 1151-4572-8F20
 Copyright: 1977



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 17, Sheet 3
- Volume 16, Sheet 9
- Volume 16, Sheet 10

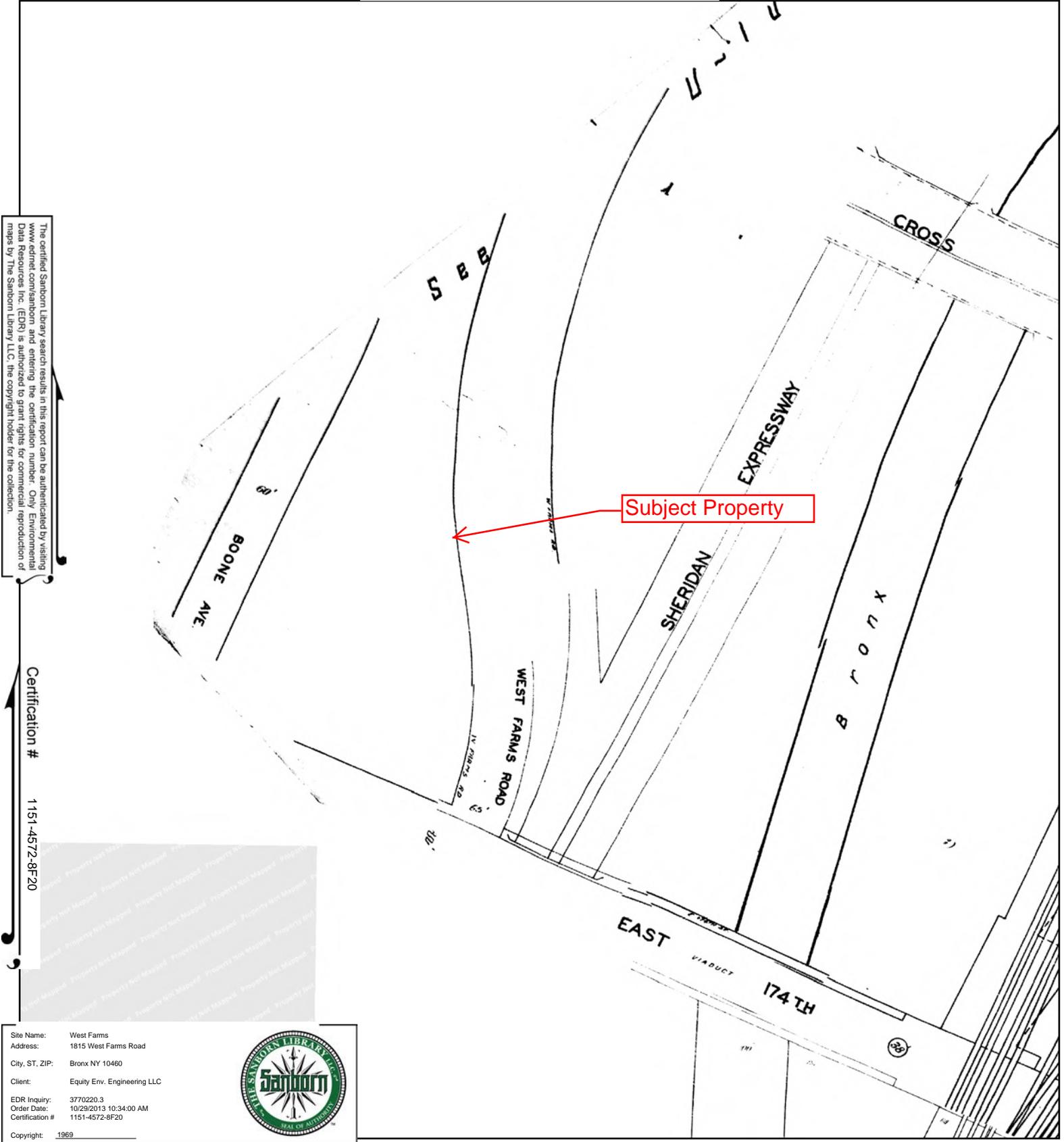


1969 Certified Sanborn Map

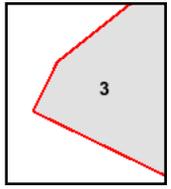
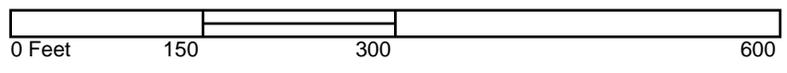
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 Order Date: 10/29/2013 10:34:00 AM
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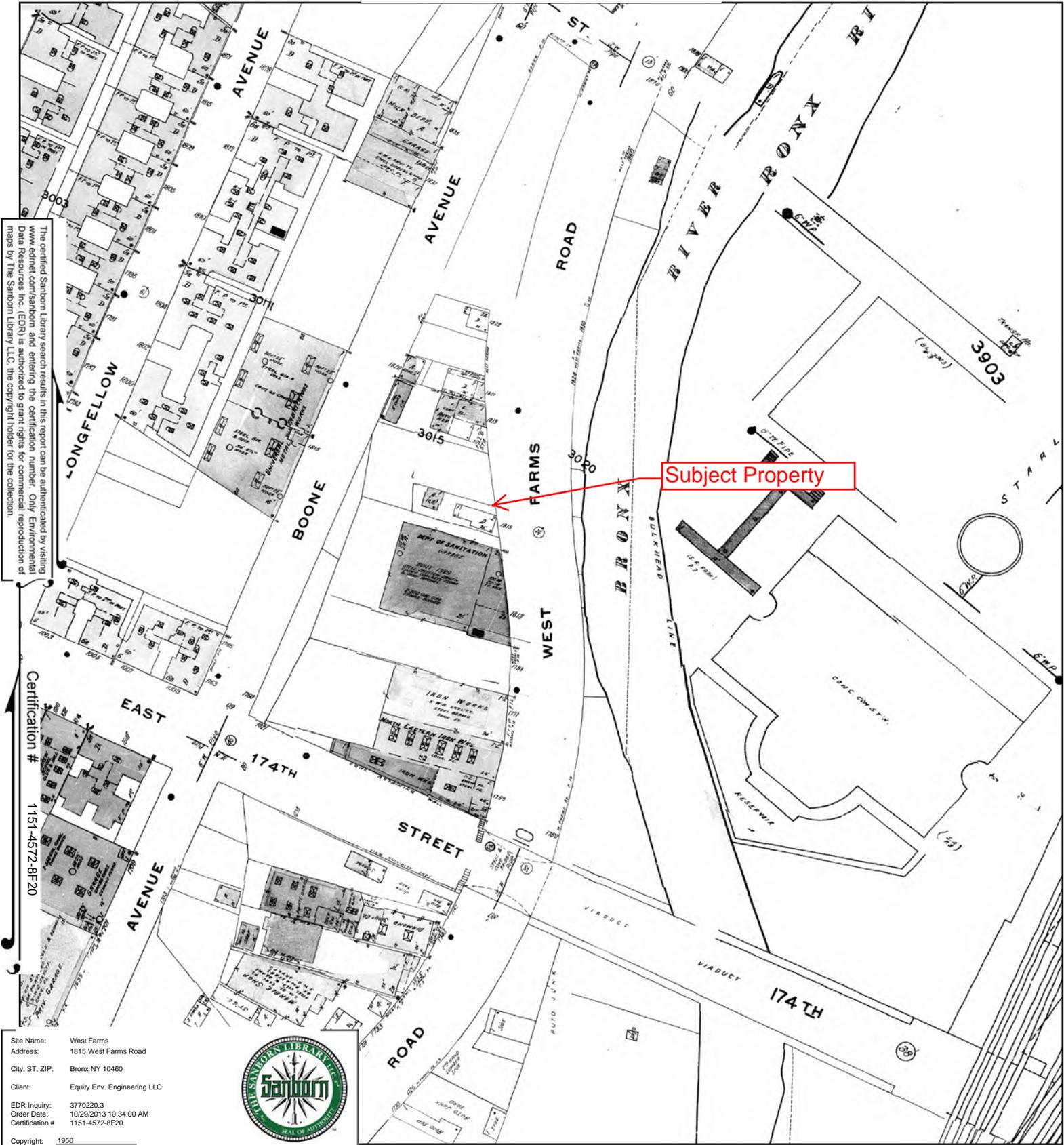
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Volume 17, Sheet 3



1950 Certified Sanborn Map



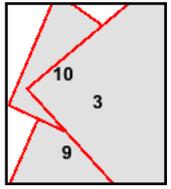
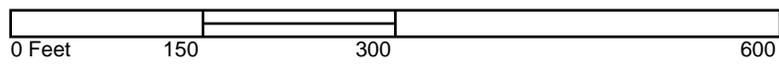
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 Copyright: 1950



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- Volume 16, Sheet 9
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- Volume 17, Sheet 3



1928 Certified Sanborn Map

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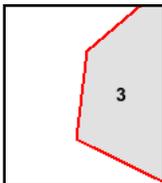
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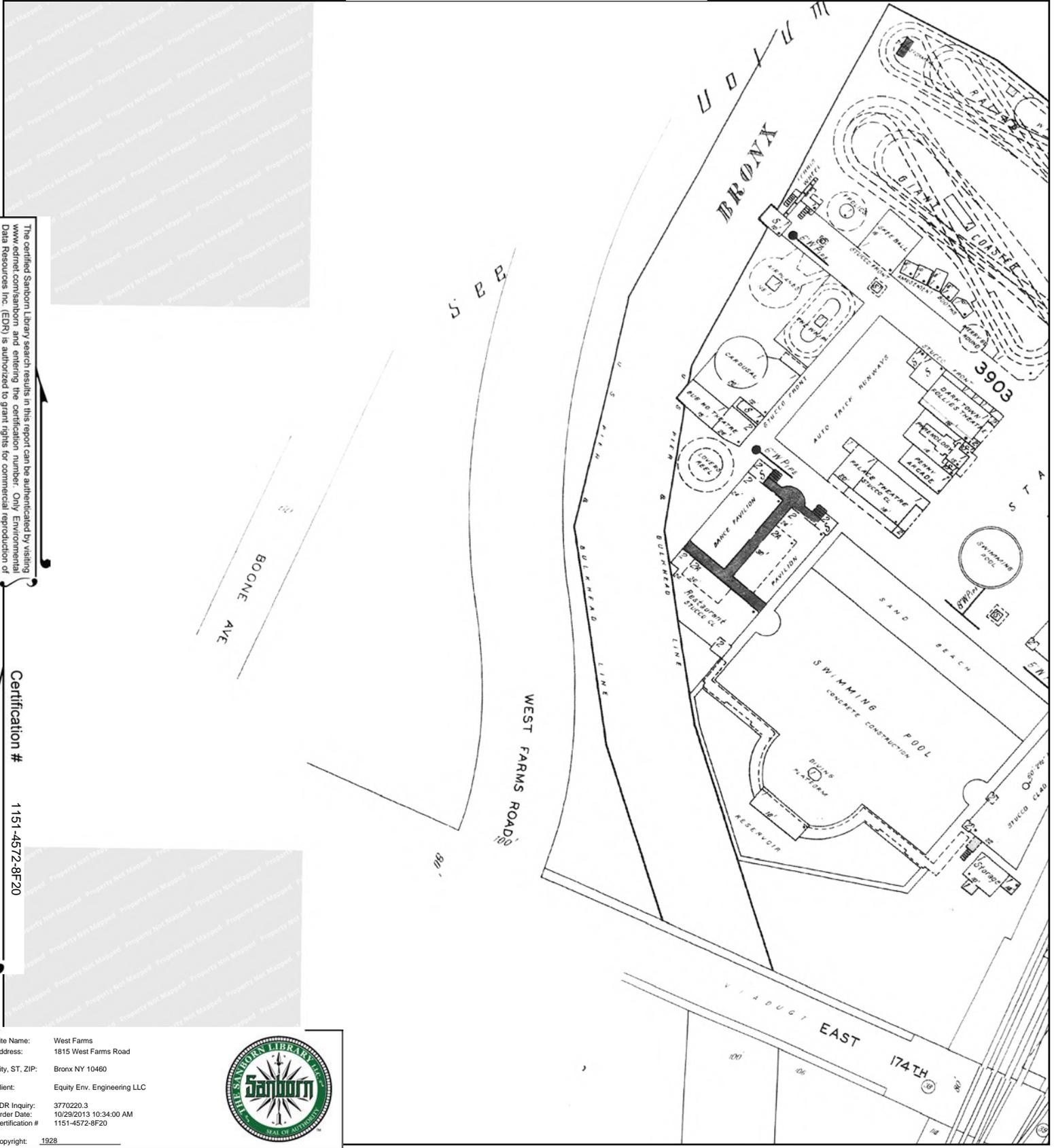
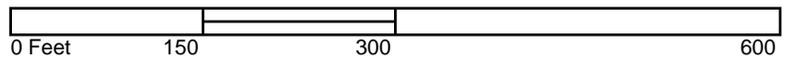


Copyright: 1928

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Volume 17, Sheet 3



1919 Certified Sanborn Map

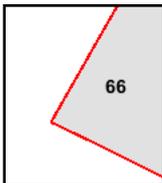
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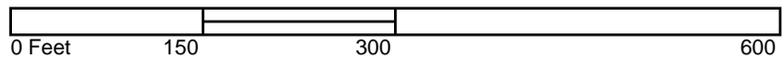
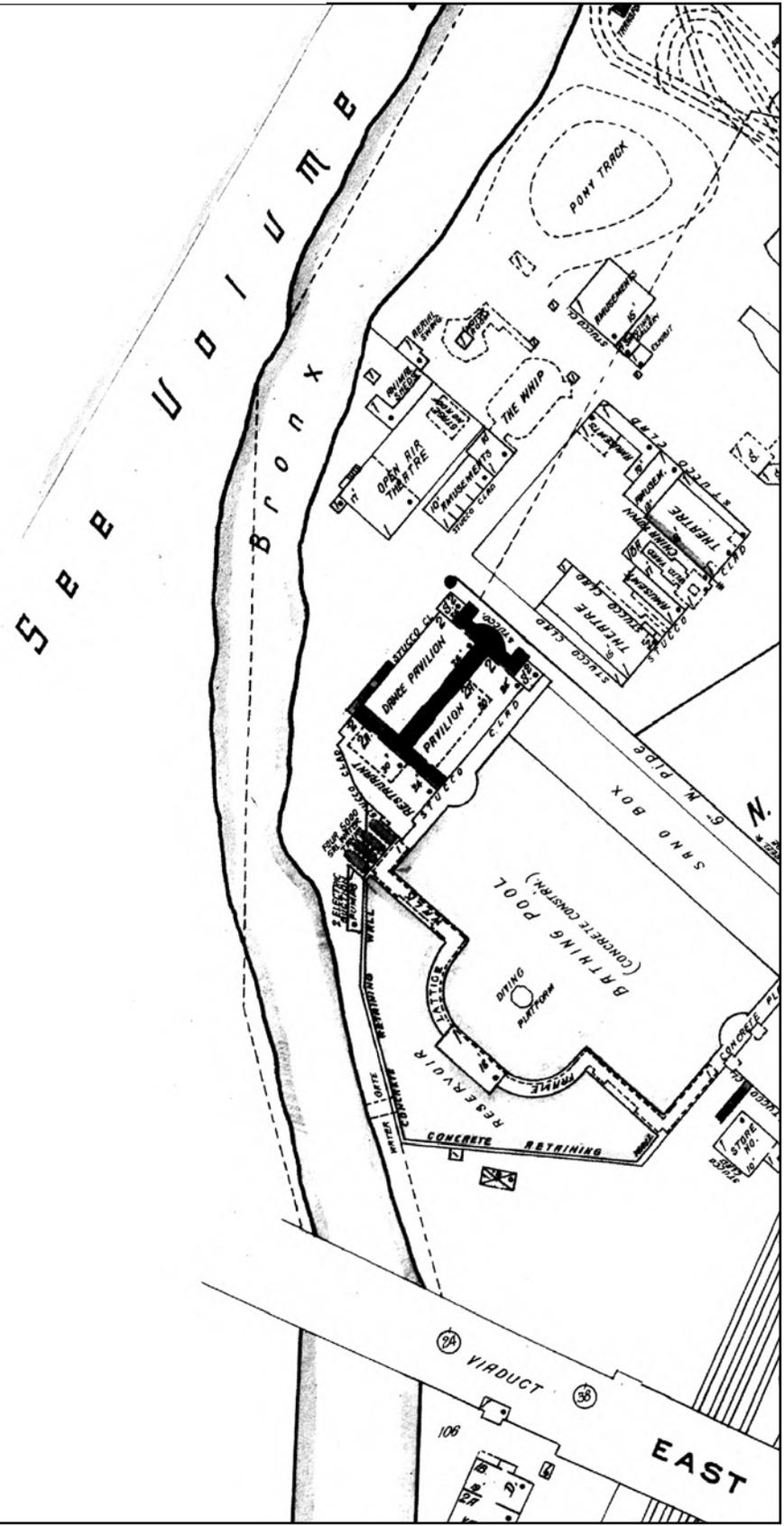
Site Name: West Farms
 Address: 1815 West Farms Road
 City, ST, ZIP: Bronx NY 10460
 Client: Equity Env. Engineering LLC
 EDR Inquiry: 3770220.3
 Order Date: 10/29/2013 10:34:00 AM
 Certification #: 1151-4572-8F20
 Copyright: 1919



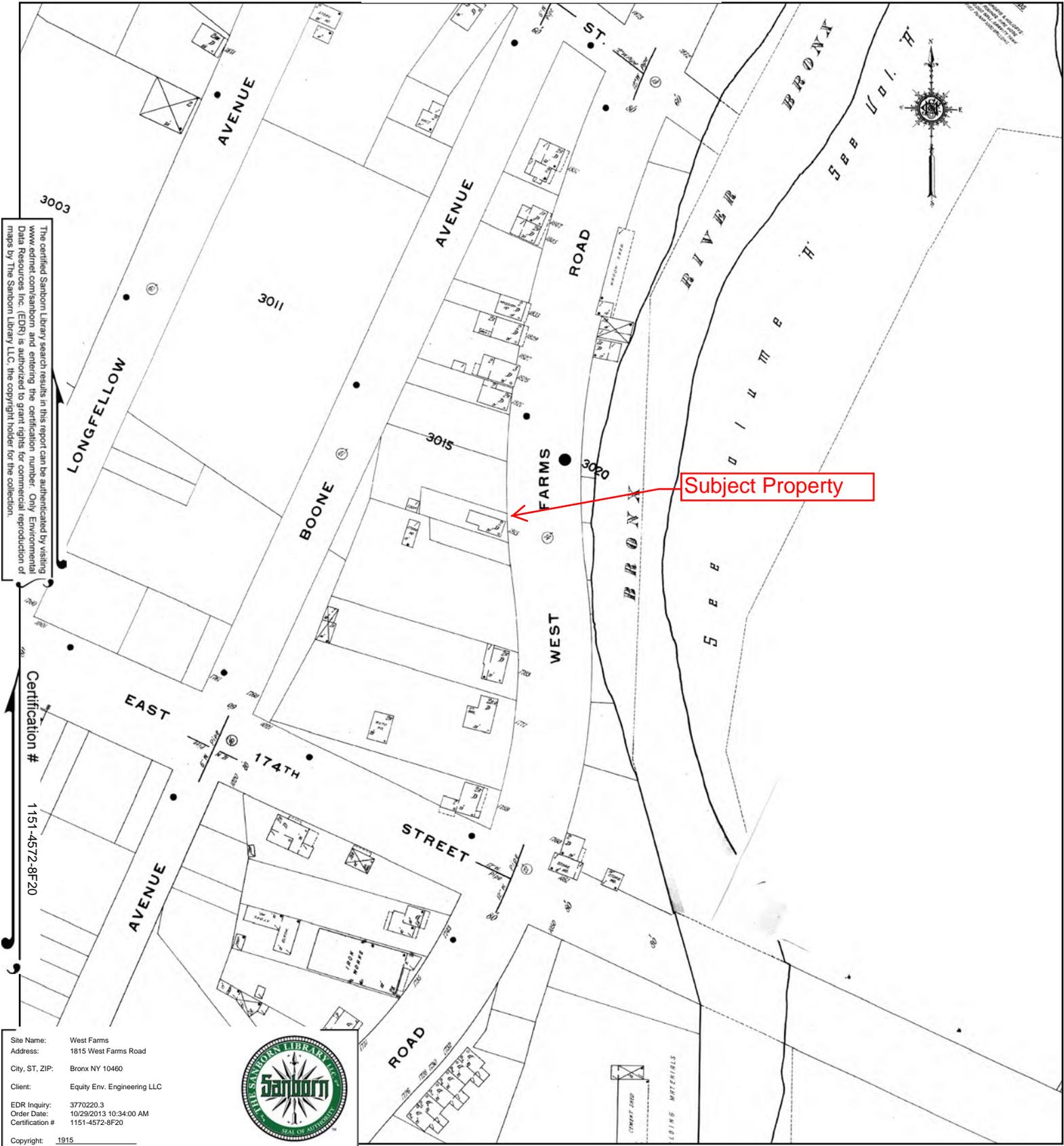
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Volume 17, Sheet 66



1915 Certified Sanborn Map



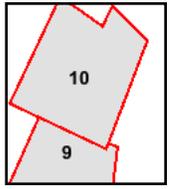
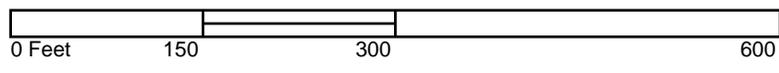
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 Client: Equity Env. Engineering LLC
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 Order Date: 10/29/2013 10:34:00 AM
 Certification #: 1151-4572-8F20
 Copyright: 1915



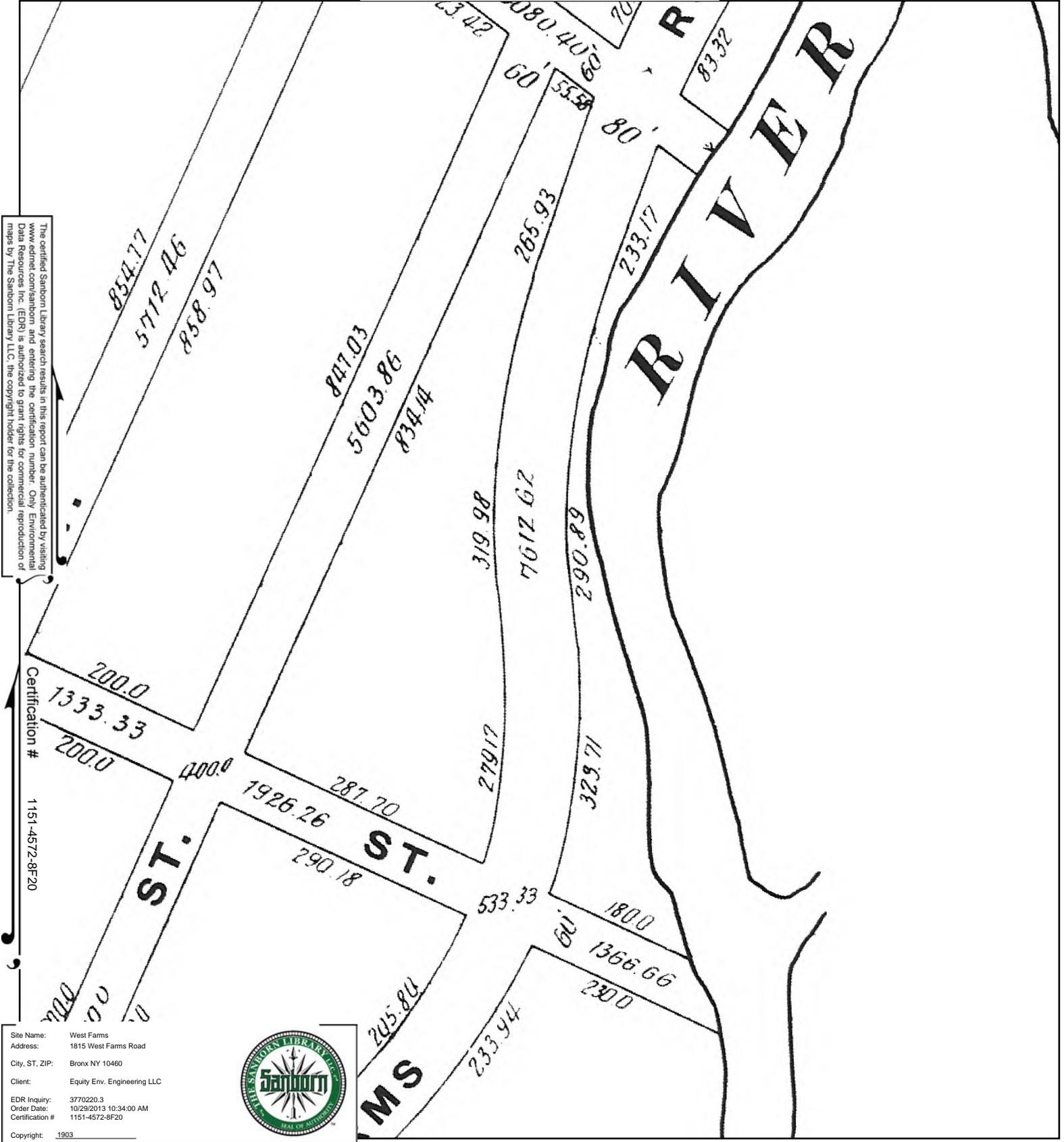
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Volume 16, Sheet 9
 Volume 16, Sheet 10



1903 Certified Sanborn Map

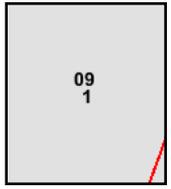
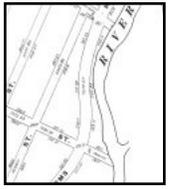
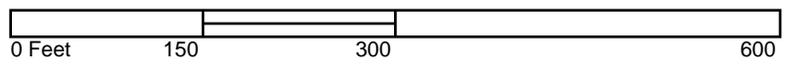


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 Certification #: 1151-4572-8F20
 Copyright: 1903



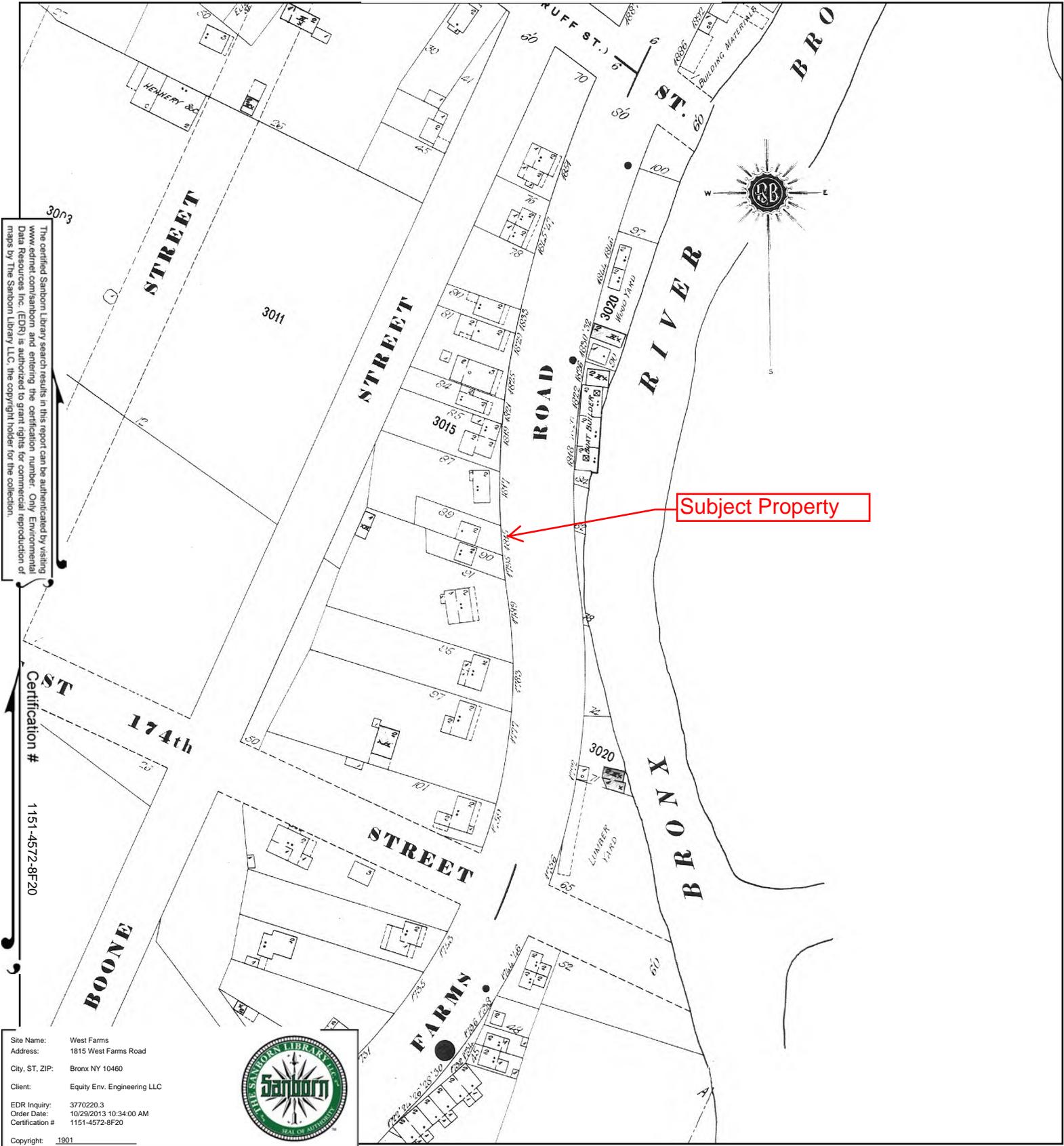
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Volume Atlas Maps, Sheet 09
 Volume Atlas Maps, Sheet 1



1901 Certified Sanborn Map



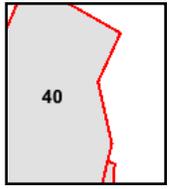
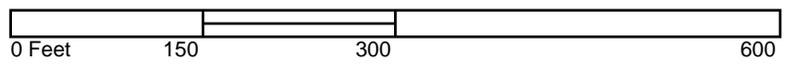
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 EDR Inquiry: 3770220.3
 Order Date: 10/29/2013 10:34:00 AM
 Certification #: 1151-4572-8F20
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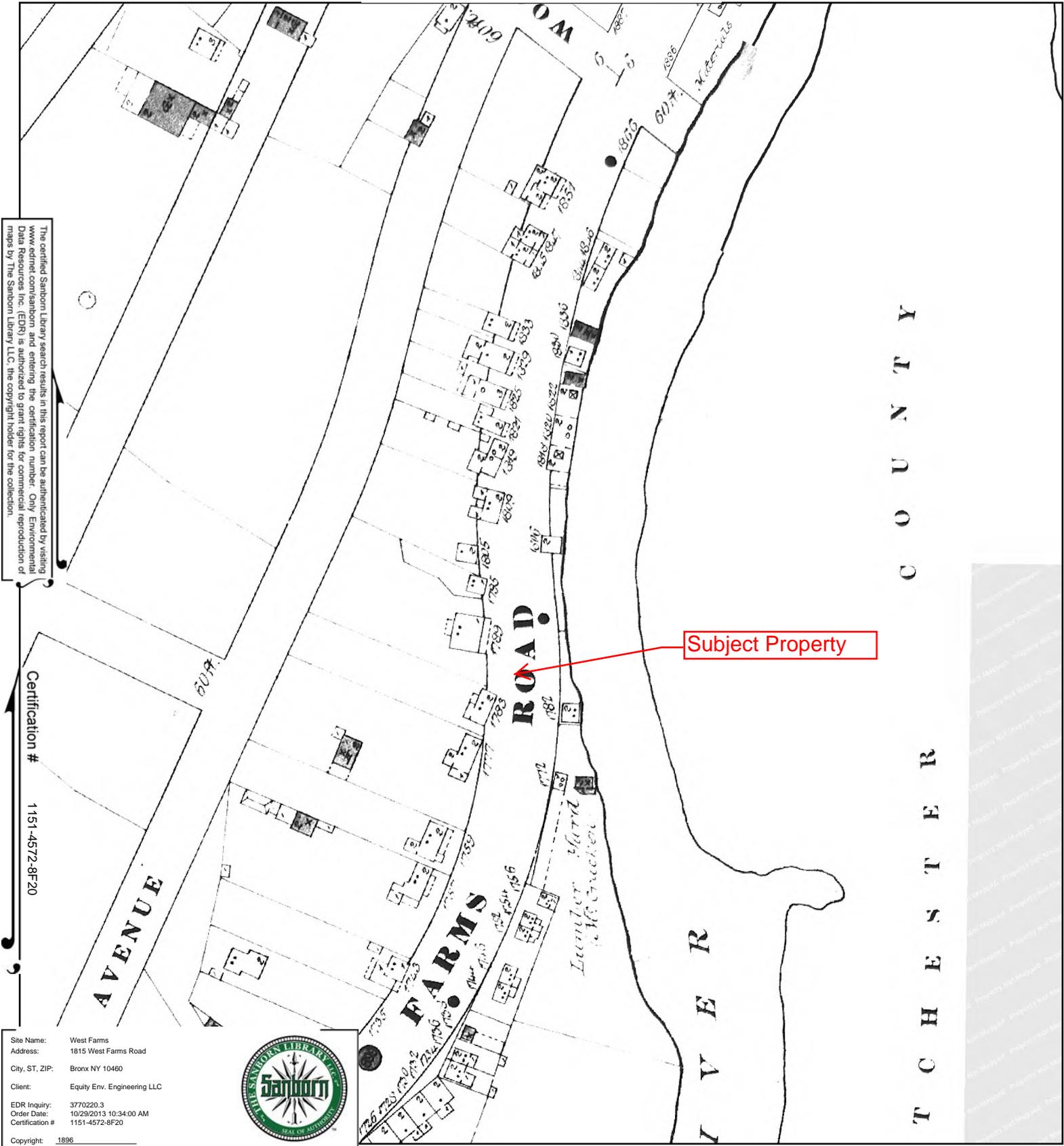
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Volume 14, Sheet 40



1896 Certified Sanborn Map



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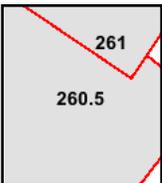
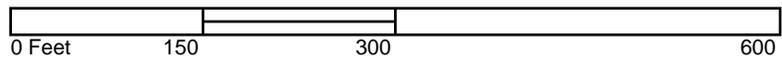
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Site Name: West Farms
 Address: 1815 West Farms Road
 City, ST, ZIP: Bronx NY 10460
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Copyright: 1896

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Volume 12, Sheet 260.5
 Volume 12, Sheet 261



**PHASE I ENVIRONMENTAL SITE ASSESSMENT
1815 West Farms Road
Bronx, New York 10460**

**APPENDIX F
Topographic Maps**



West Farms

1815 West Farms Road
Bronx, NY 10460

Inquiry Number: 3770220.4
October 29, 2013

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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Please contact EDR at 1-800-352-0050
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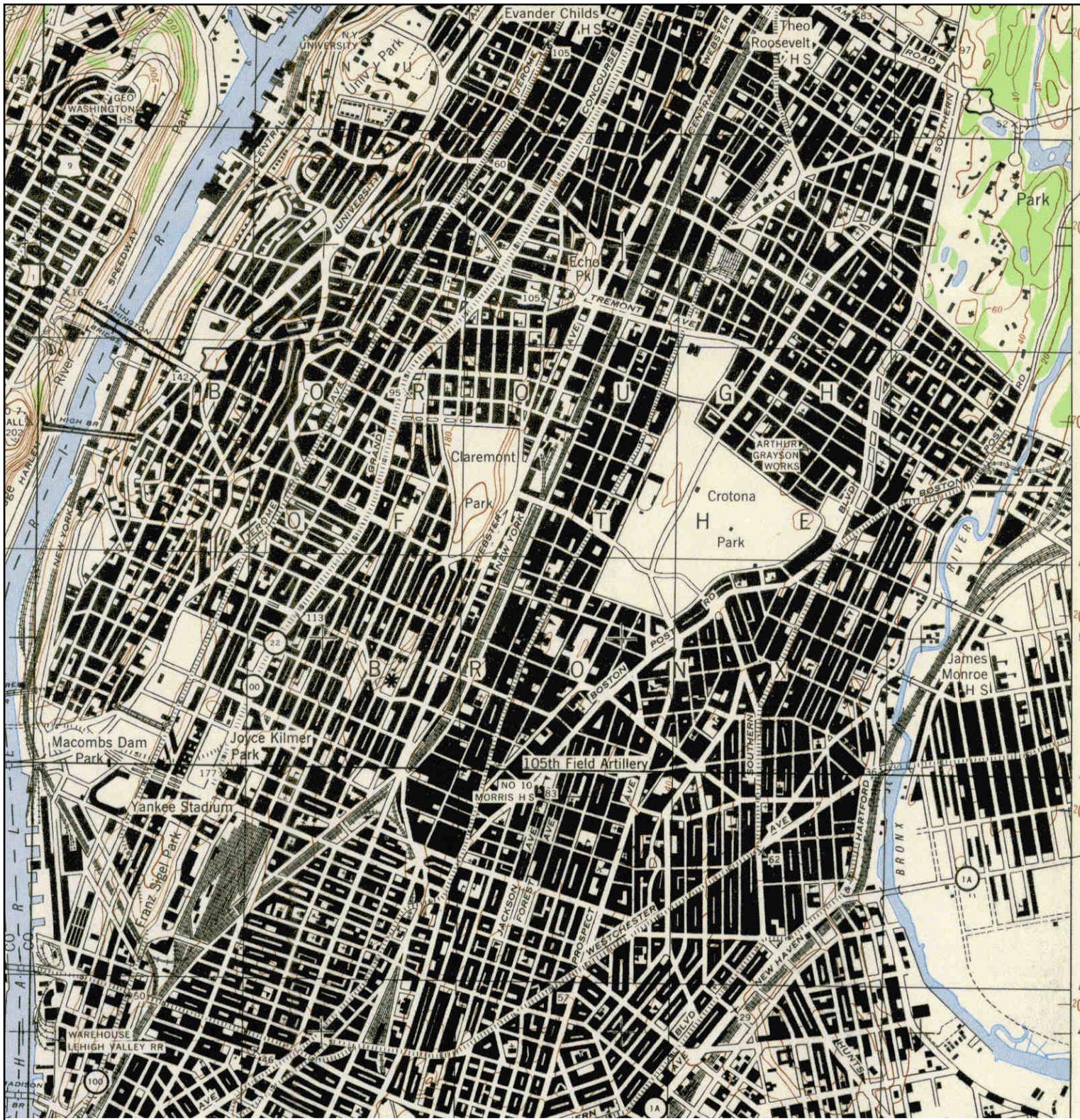
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Historical Topographic Map



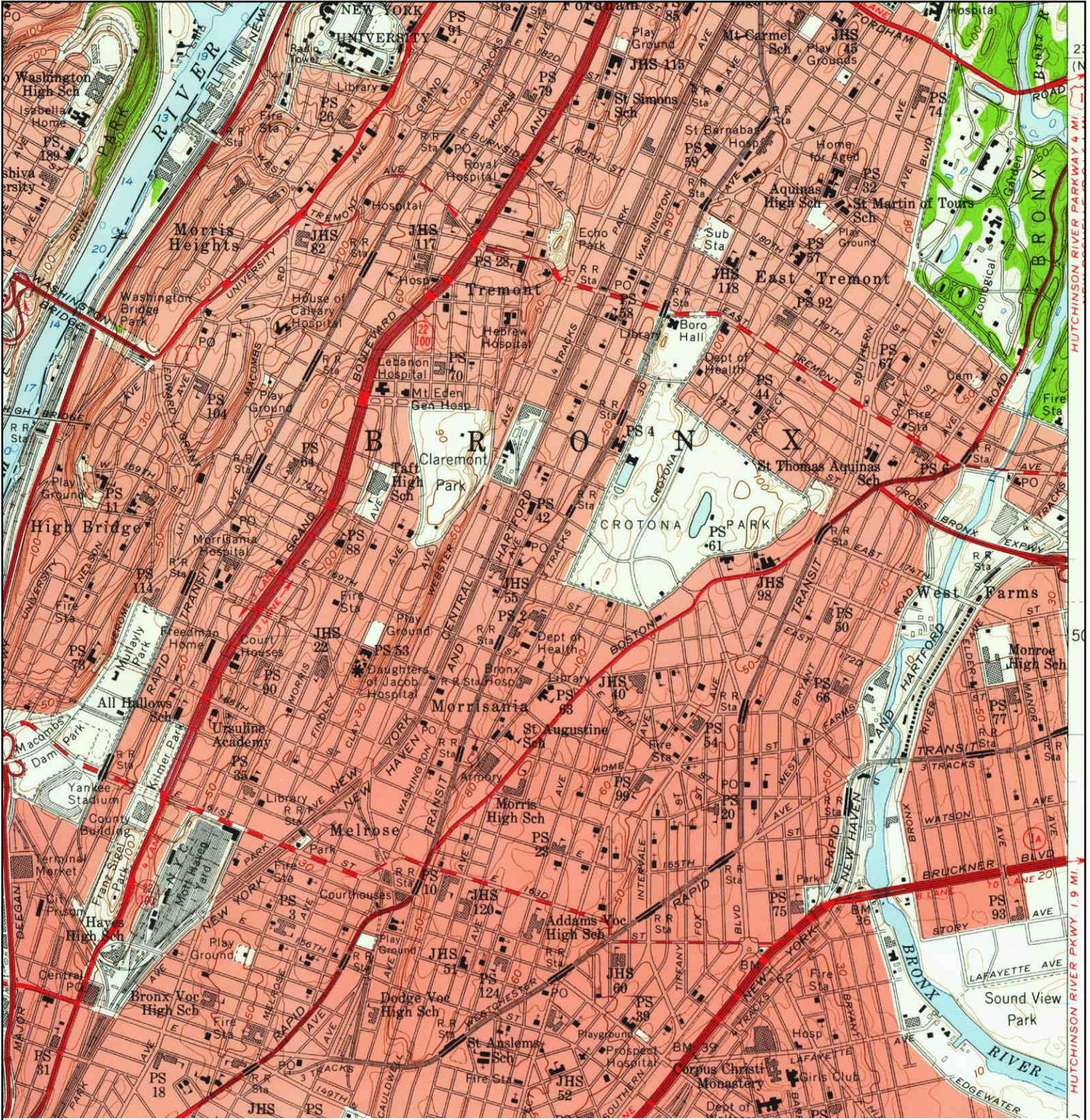
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Historical Topographic Map



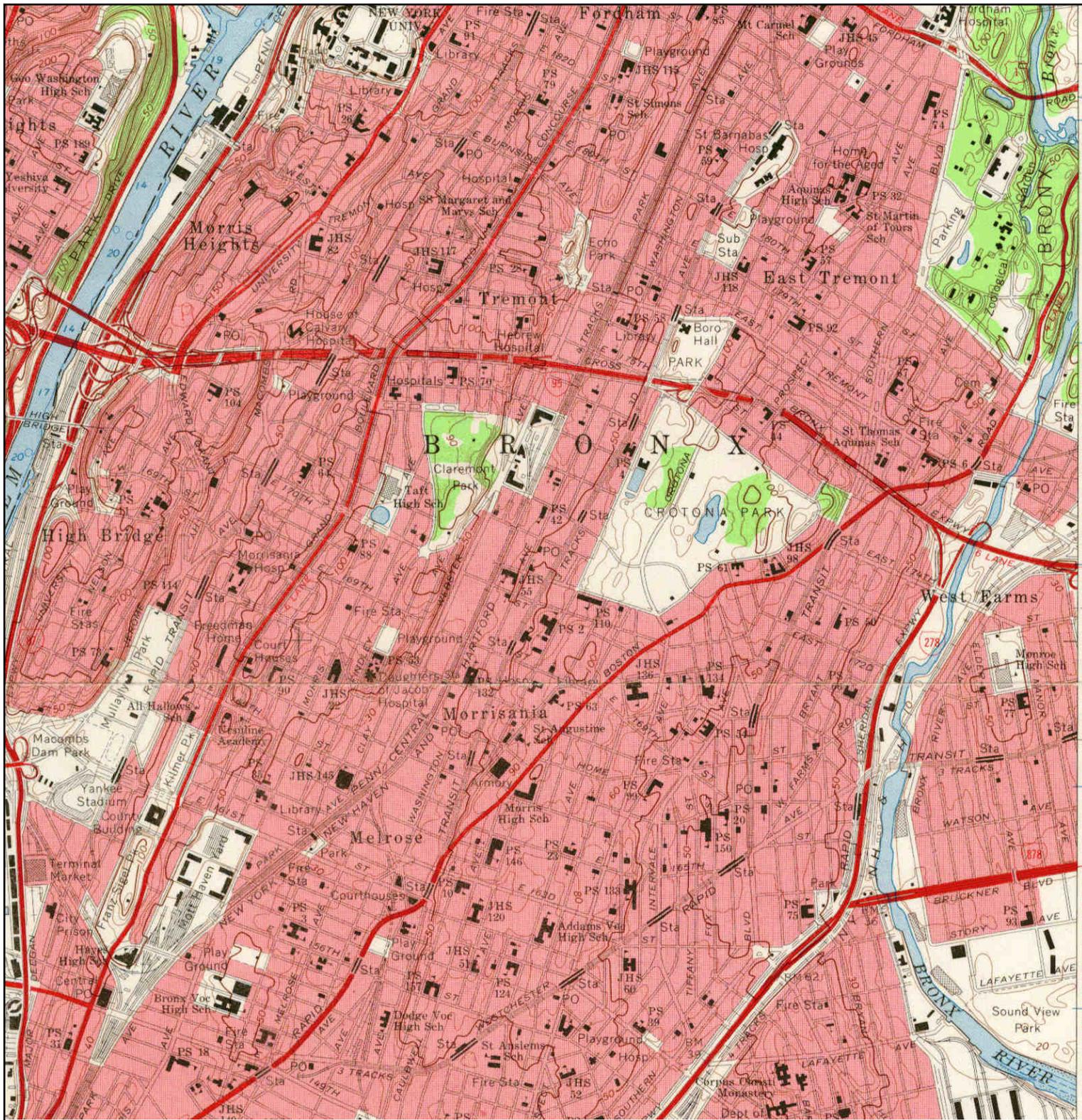
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Historical Topographic Map



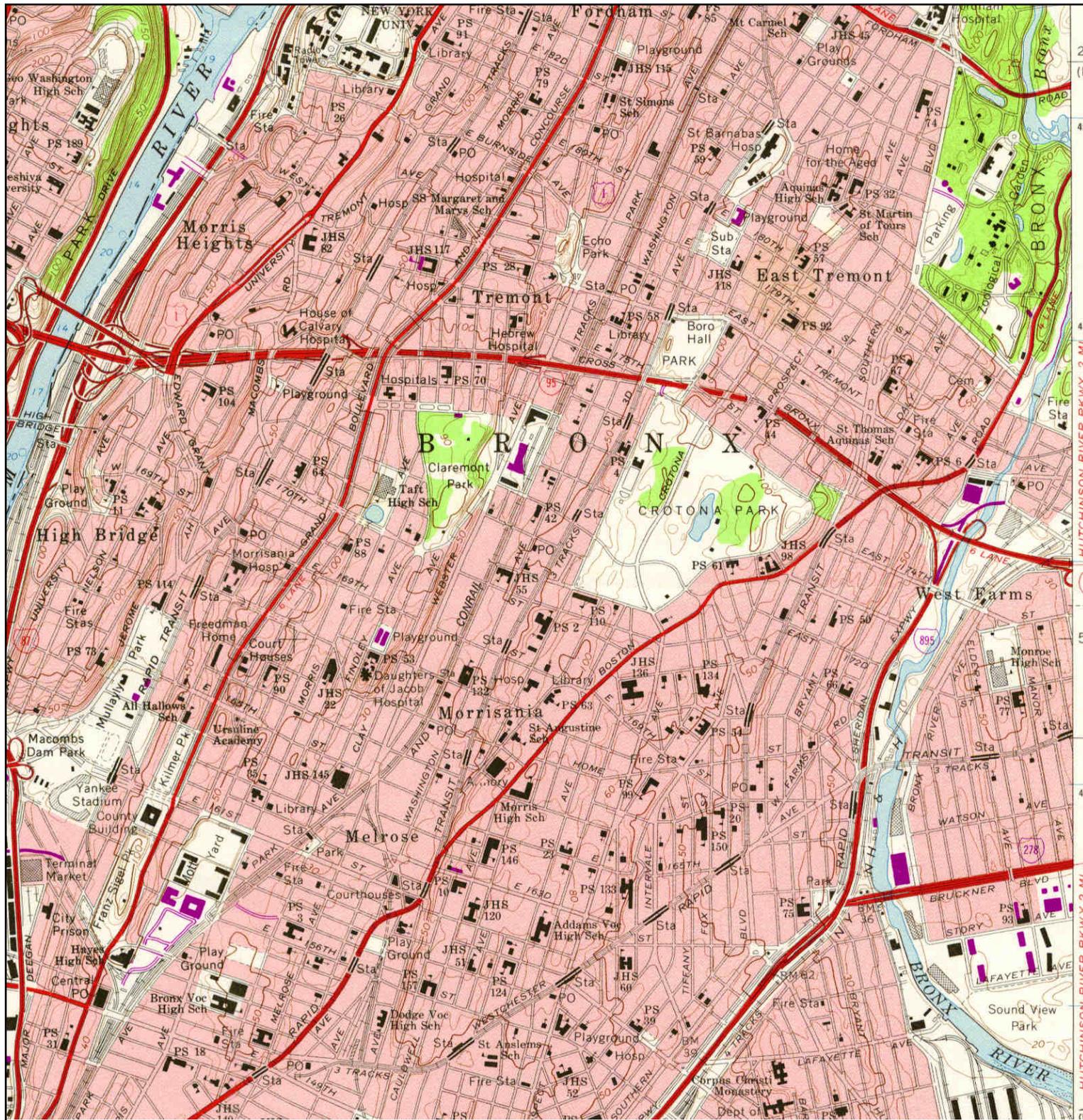
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Historical Topographic Map



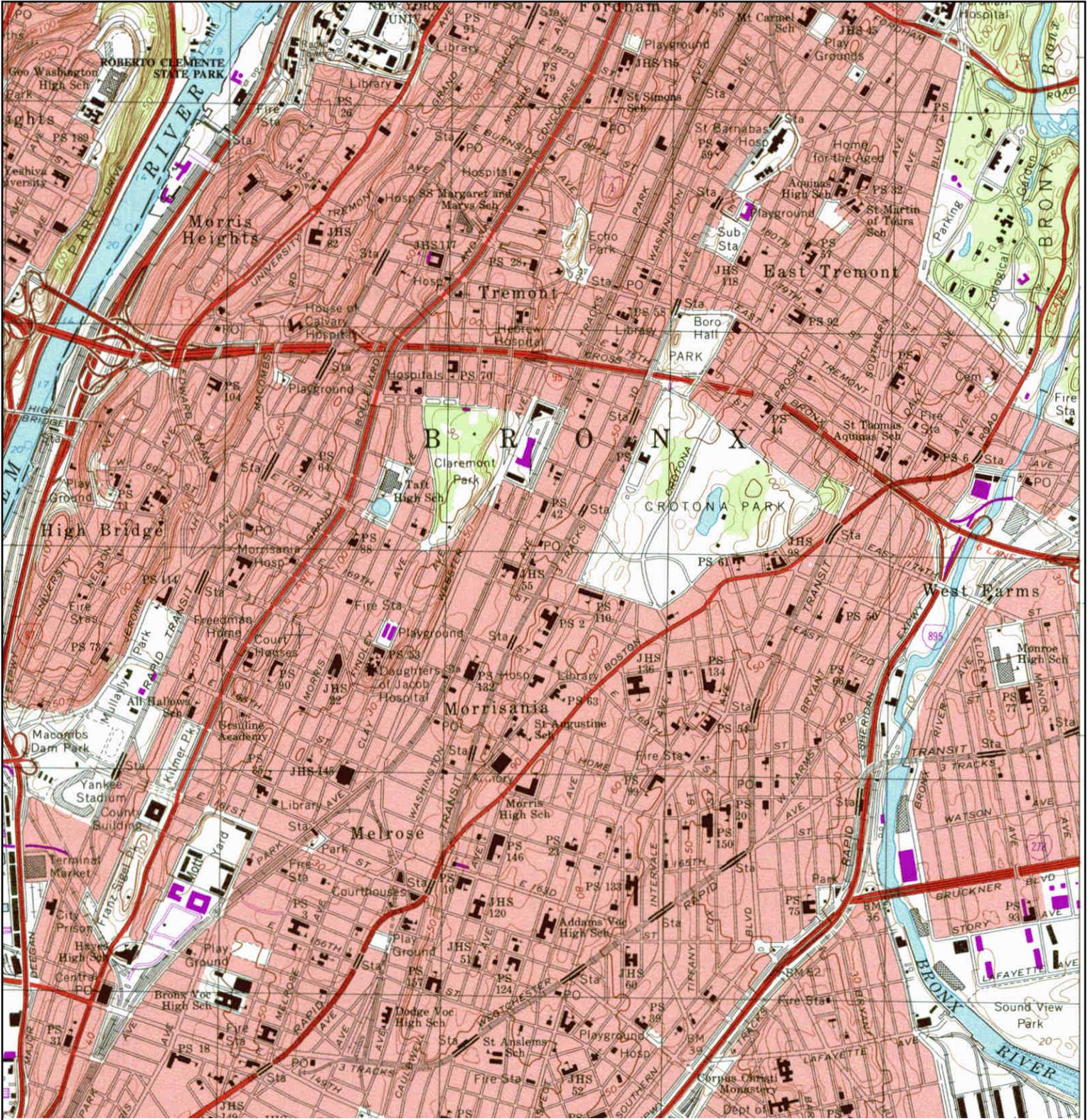
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	SCALE: 1:24000		

Historical Topographic Map



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Historical Topographic Map



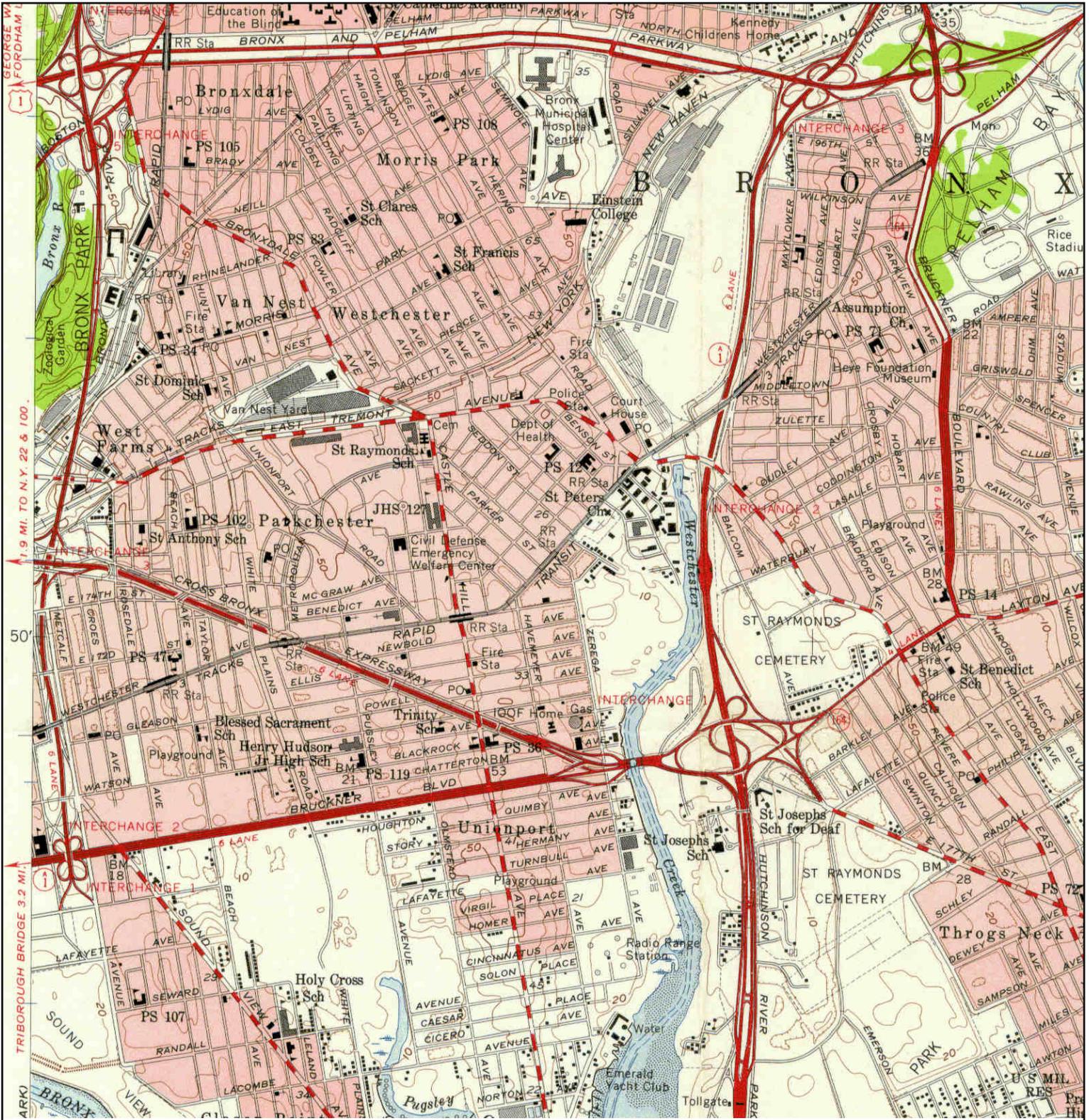
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	SCALE: 1:24000		

Historical Topographic Map



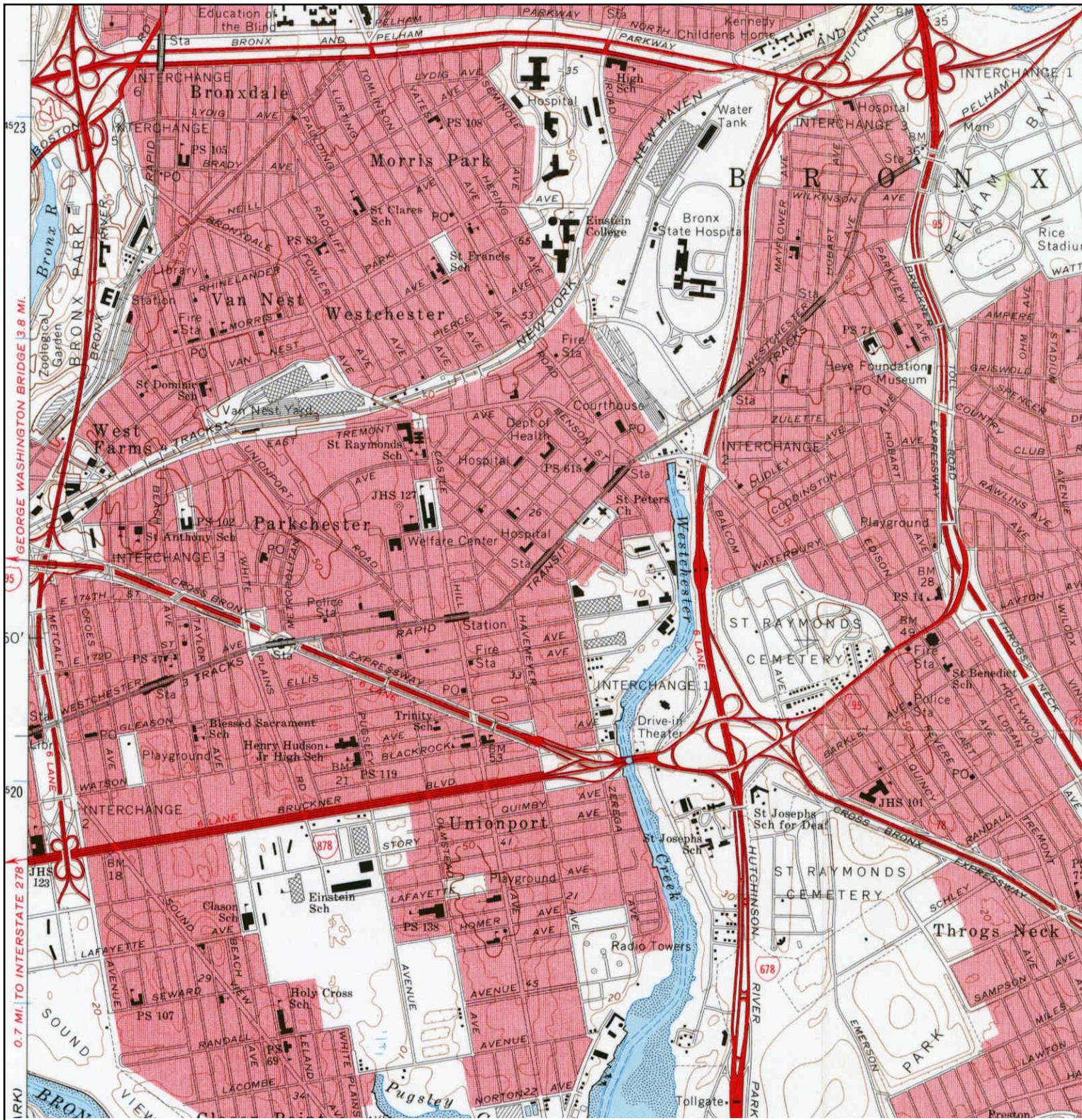
N 	ADJOINING QUAD	SITE NAME: West Farms	CLIENT: Equity Env. Engineering LLC	
	NAME: FLUSHING	ADDRESS: 1815 West Farms Road	CONTACT: Bob Jackson	
	MAP YEAR: 1947	LAT/LONG: 40.8364 / -73.8821	INQUIRY#: 3770220.4	RESEARCH DATE: 10/29/2013
	SERIES: 7.5			
	SCALE: 1:25000			

Historical Topographic Map



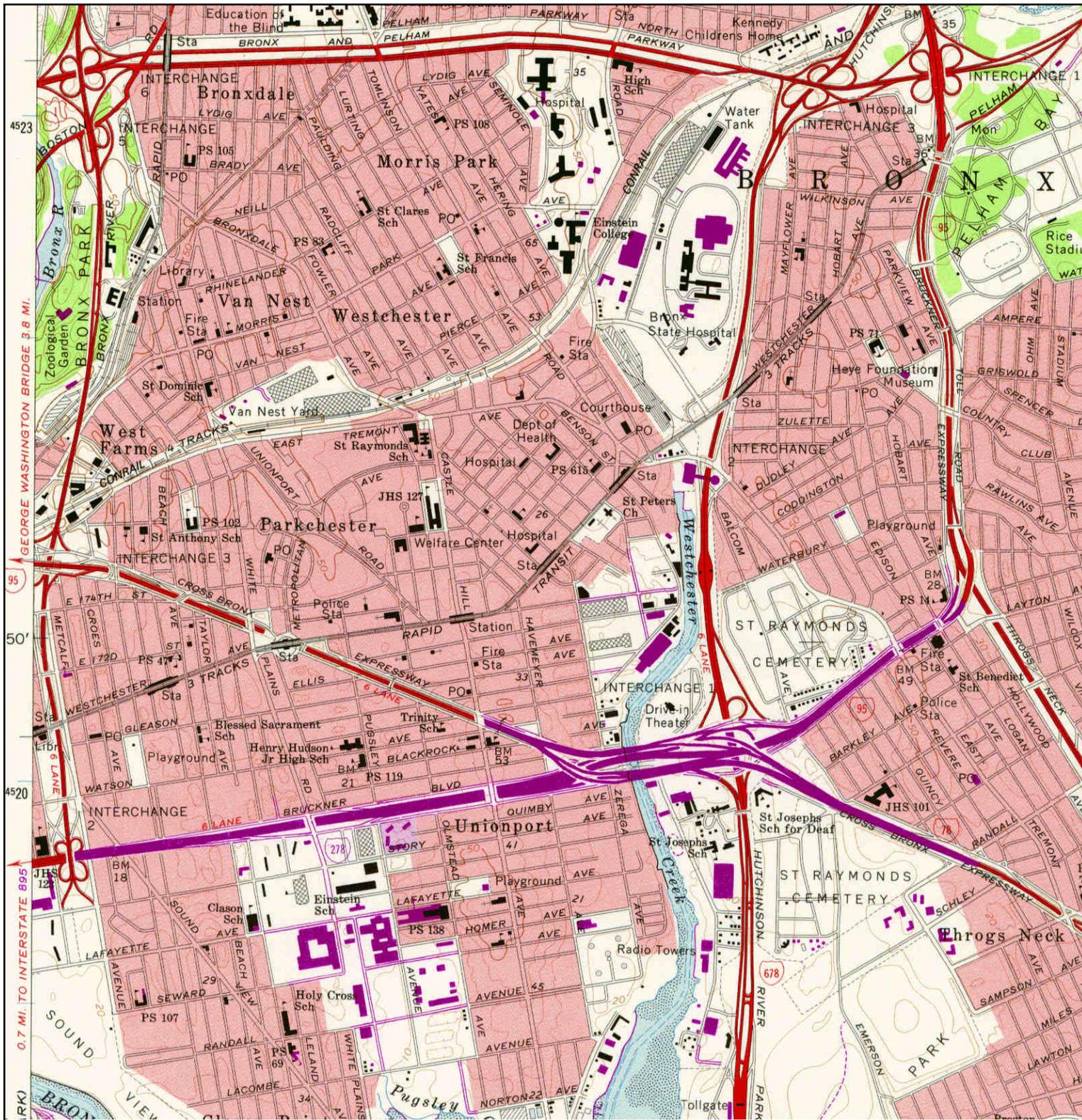
N 	ADJOINING QUAD		SITE NAME: West Farms		CLIENT: Equity Env. Engineering LLC	
	NAME: FLUSHING		ADDRESS: 1815 West Farms Road		CONTACT: Bob Jackson	
	MAP YEAR: 1955		BRONX, NY 10460		INQUIRY#: 3770220.4	
	SERIES: 7.5		LAT/LONG: 40.8364 / -73.8821		RESEARCH DATE: 10/29/2013	
	SCALE: 1:24000					

Historical Topographic Map



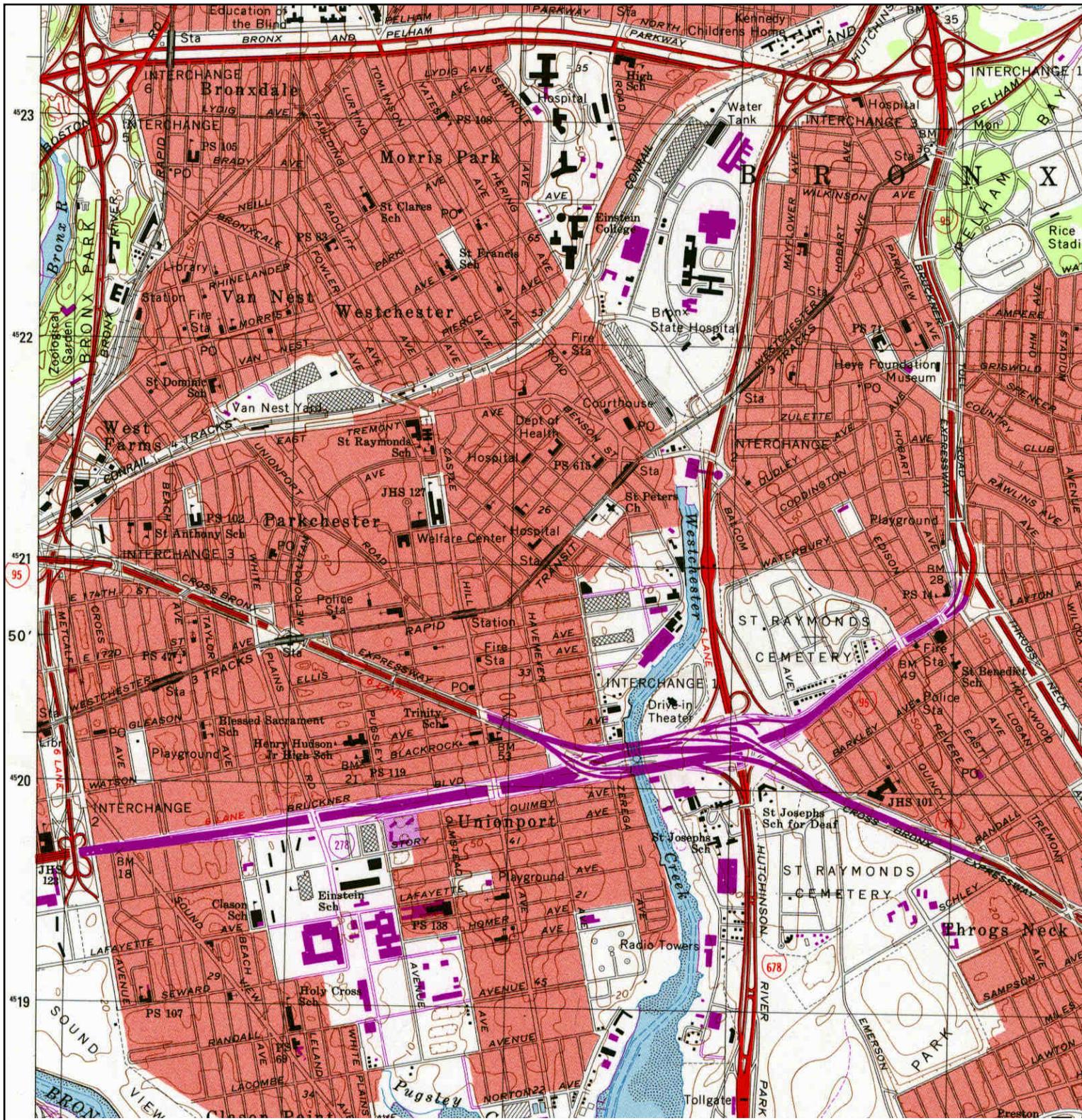
	ADJOINING QUAD		SITE NAME: West Farms		CLIENT: Equity Env. Engineering LLC	
	NAME: FLUSHING		ADDRESS: 1815 West Farms Road		CONTACT: Bob Jackson	
	MAP YEAR: 1966		BRONX, NY 10460		INQUIRY#: 3770220.4	
	SERIES: 7.5		LAT/LONG: 40.8364 / -73.8821		RESEARCH DATE: 10/29/2013	
	SCALE: 1:24000					

Historical Topographic Map



<p>N</p>	ADJOINING QUAD		<p>CLIENT: Equity Env. Engineering LLC</p> <p>CONTACT: Bob Jackson</p> <p>INQUIRY#: 3770220.4</p> <p>RESEARCH DATE: 10/29/2013</p>
	NAME: FLUSHING	SITE NAME: West Farms	
	MAP YEAR: 1979	ADDRESS: 1815 West Farms Road	
	PHOTOREVISED FROM : 1966	BRONX, NY 10460	
	SERIES: 7.5	LAT/LONG: 40.8364 / -73.8821	
	SCALE: 1:24000		

Historical Topographic Map



<p>N</p> 	ADJOINING QUAD		SITE NAME: West Farms		CLIENT: Equity Env. Engineering LLC	
	NAME: FLUSHING		ADDRESS: 1815 West Farms Road		CONTACT: Bob Jackson	
	MAP YEAR: 1995		BRONX, NY 10460		INQUIRY#: 3770220.4	
	SERIES: 7.5		LAT/LONG: 40.8364 / -73.8821		RESEARCH DATE: 10/29/2013	
	SCALE: 1:24000					

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
1815 West Farms Road
Bronx, New York 10460**

**APPENDIX G
City Directory**

West Farms

1815 West Farms Road
Bronx, NY 10460

Inquiry Number: 3770220.6
October 29, 2013

The EDR-City Directory Abstract

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Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1927 through 2008. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 100 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2008	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2005	Hill-Donnelly Information Services	X	X	X	-
2000	Cole Information Services	X	X	X	-
1993	New York Telephone	X	X	X	-
1983	New York Telephone	X	X	X	-
1976	New York Telephone Company	X	X	X	-
1971	New York Telephone	X	X	X	-
1965	New York Telephone Company	-	-	-	-
1961	New York Telephone	X	-	X	-
1956	New York Telephone	X	-	X	-
1949	New York Telephone	X	-	X	-
1940	New York Telephone	X	X	X	-
1931	Manhattan and Bronx Directory Publishing Company Residential Directory	X	X	X	-
1927	New York Telephone	X	X	X	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

1815 West Farms Road
Bronx, NY 10460

FINDINGS DETAIL

Target Property research detail.

Farms

1815 Farms

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	Walison Corp	Hill-Donnelly Information Services
2000	C COLLAZO	Cole Information Services
1993	COLLAZO C	New York Telephone
1983	COLLAZO C	New York Telephone
1976	RIVERA EFREN	New York Telephone Company
1971	KENNY AGNES MRS	New York Telephone
1961	SCOGNAMIGLIO J	New York Telephone
1956	SCOGNAMIGLIO J	New York Telephone
1949	SCOGNAMIGLIO J	New York Telephone
1940	Scognamiglio J	New York Telephone
1931	Scognamiglio Agnes	Manhattan and Bronx Directory Publishing Company Residential Directory
	Scognamiglio John	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Scognamiglio J mason	New York Telephone

W FARMS RD

1815 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	WALISON CORP	Cole Information Services
2008	WALISON CORP	Cole Information Services
2005	Walison Corp	Hill-Donnelly Information Services
2000	C COLLAZO	Cole Information Services
1993	COLLAZO C	New York Telephone
1983	COLLAZO C	New York Telephone
1976	RIVERA EFREN	New York Telephone Company
1971	KENNY AGNES MRS	New York Telephone

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1961	SCOGNAMIGLIO J	New York Telephone
1956	SCOGNAMIGLIO J	New York Telephone
1949	SCOGNAMIGLIO J	New York Telephone
1940	Scognamiglio J	New York Telephone
1931	Scognamiglio Agnes	Manhattan and Bronx Directory Publishing Company Residential Directory
	Scognamiglio John	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Scognamiglio J mason	New York Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

W FARMS RD

1772 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Jordan Henry	Manhattan and Bronx Directory Publishing Company Residential Directory

1813 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1927	Piliero N welding	New York Telephone

1817 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Schwartz Alfred	Manhattan and Bronx Directory Publishing Company Residential Directory

1819 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	MANABI AUTO REPAIR	Cole Information Services
1983	SYNAT AUTO RADIATR SVCE	New York Telephone

1821 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	George Refrigeration	Hill-Donnelly Information Services
	H Rivera A AO	Hill-Donnelly Information Services
1993	DELGADO Santa Cruz	New York Telephone
	RIVERA Hector	New York Telephone
	DELGADO SANTA CRUZ	New York Telephone
	RIVERA HECTOR	New York Telephone
1940	Dooley John F	New York Telephone
1931	Dooley John F	Manhattan and Bronx Directory Publishing Company Residential Directory
	Morrissey Thos	Manhattan and Bronx Directory Publishing Company Residential Directory
1927	Dooley John F musician	New York Telephone

FINDINGS

1823 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	RAY S AUTOBODY	New York Telephone

1825 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2005	NCL	Hill-Donnelly Information Services
	Tract 36005:359 odd s	Hill-Donnelly Information Services
	Tract 36005:58 even s N/A	Hill-Donnelly Information Services
2000	WILRAY INTRNTI INC	Cole Information Services
	CHRISTY INTRNTI	Cole Information Services
1993	WILRAY INTERNATIONAL INC	New York Telephone
	WILRAY METAL FABRICATORS INC	New York Telephone
	CHRISTY INTERNATIONAL LTD	New York Telephone
1940	Goldman & Fried carpenters	New York Telephone
1927	Goldman & Fried carpenters	New York Telephone

1829 W FARMS RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1976	BRACERO JOSE R	New York Telephone Company
1971	KLOBERG ROBT T	New York Telephone
1931	Kloberg Oscar	Manhattan and Bronx Directory Publishing Company Residential Directory

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

1815 West Farms Road

Address Not Identified in Research Source

1965

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

1772 W FARMS RD

1813 W FARMS RD

1817 W FARMS RD

1819 W FARMS RD

1819 W FARMS RD

1821 W FARMS RD

1823 W FARMS RD

1825 W FARMS RD

1829 W FARMS RD

Address Not Identified in Research Source

2013, 2008, 2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1927

2013, 2008, 2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931

2013, 2008, 2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1927

2013, 2008, 2005, 2000, 1993, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927

2013, 2005, 2000, 1993, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927

2013, 2008, 2000, 1983, 1976, 1971, 1965, 1961, 1956, 1949

2013, 2008, 2005, 2000, 1993, 1976, 1971, 1965, 1961, 1956, 1949, 1940, 1931, 1927

2013, 2008, 1983, 1976, 1971, 1965, 1961, 1956, 1949, 1931

2013, 2008, 2005, 2000, 1993, 1983, 1965, 1961, 1956, 1949, 1940, 1927

**PHASE I ENVIRONMENTAL SITE ASSESSMENT
1815 West Farms Road
Bronx, New York 10460**

**APPENDIX H
*****NYC ACRIS**

REEL 1749162282

T 891

Standard N.Y. B.T.T. Form 8002, Bargain & sale deed, with covenant against grantor's heirs. Ind. or Corp. - single sheet

JULIUS BLUMBERG, INC. - LAW BLANK PUBLISHERS

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT - THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

THIS INDENTURE, made the 23 day of JULY, nineteen hundred and NINETY NINE BETWEEN JOSE COLLAZO and his wife, CARMEN COLLAZO both residing at 3710 Landings Way Drive, #201, Tampa, Florida 33624

party of the first part, and

WEST FARMSEQUITIES INC., 1815 West Farms Road Bronx, New York

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough and County of Bronx, City and State of New York, bounded and described as follows:

BEGINNING at a point on the westerly side of West Farms Road as widened, distant 222.44 feet southerly from the corner formed by the intersection of the southerly side of the Cross Bronx Expressway and the westerly side of West Farms Road;

RUNNING THENCE southerly along the westerly side of West Farms Road 32.28 feet;

THENCE westerly along lands now or formerly of Harvey Scofield 100.29 feet;

THENCE northerly parallel with West Farms Road 30 feet;

THENCE easterly along lands now or formerly of Frederick A. Harwood 92.71 feet to the westerly side of West Farms Road and the point or place of BEGINNING.

See attached sheet "A"

Being and whereof to the said premises... and deed dated 4-5-95 recorded 5-8-95 in reel 1318 page 1797.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been encumbered in any way whatever, except as aforesaid. AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose. The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF

[Signature]

[Signature] JOSE COLLAZO

[Signature] CARMEN COLLAZO

RETT 800-

J.C. [Signature]

3015 87+89

INTRACOASTAL ABSTRACT CO., INC.

Title No. WI-7415BX

SCHEDULE A

Amended 07-30-99

TAX LOTS 87 and 89 COMBINED

All that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the Borough and County of Bronx, City and State of New York, being more particularly bounded and described as follows:

BEGINNING at a point on the westerly side of West Farms Road distant 318.50 northerly from the corner formed by the intersection of the northerly side of East 174th Street and the westerly side of West Farms Road;

RUNNING THENCE South 79 degrees 19 minutes 33 seconds West, 156.01 feet;

THENCE North 18 degrees 45 minutes 58 seconds West, 78.33 feet;

THENCE North 4 degrees 36 minutes 46 seconds West, 14.11 feet;

THENCE North 79 degrees 19 minutes 33 seconds East, 124.01 feet;

THENCE along the westerly side of West Farms Road the following 2 courses and distances:

- 1) southerly along a curve having a radius of 600 a distance of 8.61 feet;
- 2) South 36 degrees 30 minutes 00 seconds East, 84.31 feet to the Point of Place of Beginning.

**FOR
CONVEYANCING
ONLY**

The policy to be issued under this report will insure the title to such buildings and improvements erected on the premises which by law constitute real property.

TOGETHER with all the right, title and interest of the party of the first part, of, in and to the land lying in the street in front of and adjoining said premises.

STATE OF NEW YORK, COUNTY OF *Nassau* 581

On the *23* day of *July* 19*59*, before me personally came

Jose Pollozo and Herman Pollozo
to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that *they* executed the same.

Done by X. Goldstein
BEVERLY R. GOLDSTEIN
Notary Public, State of New York
No. 4782047
Qualified in Nassau County
Certificate Filed in New York County
Commission Expires Oct. 31, 59

STATE OF NEW YORK, COUNTY OF 581

On the _____ day of _____ 19____, before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF 581

On the _____ day of _____ 19____, before me personally came to me known, who, being by me duly sworn, did depose and say that _____ he resides at No. _____;

that _____ he is the _____ of _____, the corporation described in and which executed the foregoing instrument; that _____ he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the board of directors of said corporation, and that _____ he signed his name thereto by like order.

STATE OF NEW YORK, COUNTY OF 581

On the _____ day of _____ 19____, before me personally came the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that _____ he resides at No. _____;

that _____ he knows _____ to be the individual described in and who executed the foregoing instrument; that _____ he, said subscribing witness, was present and saw execute the same; and that _____ he, said witness, at the same time subscribed his name as witness thereto.

Bargain and Sale Deed

WITH COVENANT AGAINST GRANTOR'S ACTS

TITLE No. *WE-741537*

SECTION

BLOCK **3015**

LOT **87-89**

COUNTY OR TOWN **Bronx, New York**

STREET No.: **1815-1817 West Farms**

TO

RETURN BY MAIL TO:

*Rajendra Meenah
74-05 37th Avenue
Suite 411
Jackson Heights, N.Y. Zip No. 11372*

Reserve this space for use of Recording Office.

CITY REGISTER RECORDING AND ENDORSEMENT PAGE
- QUEENS COUNTY -
 (This page forms part of the instrument)

\$ 3088.75

2285 910417

Block(s): 3015
 Lot(s): 19-87
 1815-1817 10107 Federal Rd
 Jamaica NY
 Title/Agent Company Name: Interscand Abotlo
 Title Company Number: WI-F-7/1/84

Number of Pages **4**

NAME: Rajendra Mureshi Eng
 ADDRESS: 74-09 37th Ave
 CITY: Jackson Heights NY STATE: NY ZIP: 11372



OFFICE USE ONLY - DO NOT WRITE BELOW THIS LINE

THE FOREGOING INSTRUMENT WAS ENDORSED FOR THE RECORD AS FOLLOWS:

Examined by (s): [Signature]

Mtge Tax Serial No. _____
 Mtge Amount \$ _____
 Taxable Amount \$ _____

Exemption (✓) YES NO

Type: [338EE] [255] [OTHER] _____

Dwelling Type: [1 to 2] [3] [4 to 6] [over 6] _____

TAX RECEIVED ON ABOVE MORTGAGE

County (back): \$ _____
 City (Add'l): \$ _____
 Spec Add'l: \$ _____
 TASF: \$ _____
 MTA: \$ _____
 NYCTA: \$ _____

TOTAL TAX \$ _____

Apportionment Mortgage (✓) YES NO

Joy A. Dubrow, City Register

City Register Serial Number **008144**

Indexed By (s): [Signature] Verified By (s): [Signature]

Block(s) and Lot(s) verified by (s): [Signature]

Address Tax Map

Extra Block(s) _____ Lot(s) _____

Recording Fee \$ **9**
 Affidavit Fee (C) \$ _____
 TP-584/582 Fee (Y) \$ _____
 RPTT Fee (R) \$ _____

HPD-A HPD-C

New York State Real Estate Transfer Tax
 \$ **860**

Serial Number **0005615**

New York City Real Property Transfer Tax
 Serial Number **001862**

New York State Gains Tax
 Serial Number _____

FEED 0321
 DATE COMP RECD 3/8/88

RECORDED IN QUEENS COUNTY
 OFFICE OF THE CITY REGISTER

2000 MAR -8 A 10:45

Witness My Hand and Official Seal



[Signature]
 City Register

58 58593C.BOG

APPENDIX I
Qualifications of Environmental Professionals

Robert L. Jackson, P.E.



equity **environmental** engineering
227 Route 206, Suite 6, Flanders, NJ 07836

Experience Summary

Mr. Jackson is an Environmental Engineer and with over 28 years of professional experience that includes program/project management, site characterization and remediation, due diligence, and regulatory compliance. He is well versed in multiple regulatory programs and has worked primarily in New Jersey, New York and Pennsylvania.

Years of Experience:

28 years

Education

B.S. Civil and Environmental Engineering, 1984,
Cornell University, Ithaca, NY

Special Training

NJDEP Site Remediation Basics
NJDEP Underground Storage Tanks
40-hour OSHA Course
8-hour OSHA Refresher
First Aid/CPR

Registrations

Professional Engineer, New Jersey # GE40276
Professional Engineer, Pennsylvania #PE073492
Subsurface Evaluator, New Jersey #0025012
Six Sigma Plus Green Belt Certification – Honeywell International Inc,

Memberships

New Jersey Environmental Business Council –
Regulatory Committee
Society of American Military Engineers

Primary Experience

2005 – Present **Equity Environmental Engineering, LLC. Managing Director.** Mr. Jackson manages projects as follow:

Managed projects site/remedial investigation project under the LSRP program several of which were given Response Action Outcomes (RAOs). These projects were for both industrial and private clients primarily involving release from USTs.

Assistant Project Manager for a cancer cluster exposure assessment in Northeastern Pennsylvania for the Center for Disease Control/Agency for Toxic Substances and Disease Registry (CDC/ATSDR). The project included the assimilation and review of historical data for the study area to attempt to determine the environmental factors associated with the high rate of Polycythemia Vera, blood disorder. Coordinated the efforts of three subcontractors to assess potential air and hydrogeological sources of contamination that may cause the disease.

Complete a Hazard Operations (HAZOP) study for a commercial facility in Rahway, NJ. The study evaluated the various operations, the probable hazards and non-compliance with applicable federal, state, and local regulations, and how they are addressed by the firm. Issues of non-compliance and methods to correct them are detailed in the project report.

Managed the Phase II site investigation of two properties that were on or adjacent to former Manufactured Gas Plants (MGP) in NYC. Assisted in the development of the Site Management Plans for each site to ensure that MGP contaminated soils would or were properly handled. Also

assisted in the review of potential disposal sites for excess soils based on the proposed development of each site. Both projects required close coordination with the architects and remediation contractors.

Evaluated the potential remedial costs for the future development of a commercial property in Brooklyn, NY. This involved the compilation and review of site superfund documents, discussions with the current case manager and various vendors for remediation, demolition, etc. A technical memorandum was prepared for the cost evaluation.

Conducted Phase I Environmental Site Assessments (ESAs) and Phase II Site Investigations throughout the five New York City boroughs for industrial and residential properties for private clients. Completed Environmental Site Assessment Statements (EAS) and Environmental Assessment Forms (US Dept. of Health and Human Services) for sites in New York City under multiple development scenarios including zoning amendments, bulk variances, etc.

Conducted Preliminary Site Assessments in accordance with NJDEP and NJ Division of Children and Family Services requirements for day care facilities in New Jersey.

Conducted Property Condition Assessments for two PBM Graphics facilities in North Carolina. The PCAs evaluated the facility structure and parking, HVAC and electrical systems, architectural amenities, security and fire suppression systems, pollution prevention systems and any environmental related activities ongoing. Repair and/or replacement costs were evaluated as part of the project.

Conducted value engineering studies for the Woodbridge Housing Authority and a New York City brownfield site. Provided recommendations to address outstanding issues.

Evaluated proposed waste to energy plant environmental issues including permitting, waste stream analysis, environmental justice, etc. Implemented ASTM protocol for municipal solid waste sampling and analysis.

Provide bi-monthly Pennsylvania regulatory updates for the New Jersey Environmental Business Council.

Conducted nationwide regulatory compliance audits for a confidential spirits manufacturing company. These audits were conducted to look in depth at specific aspects of the facility operations rather than a comprehensive regulatory audit. Provided temporary, onsite environmental compliance support for their Breinigsville, PA facility while they conducted a search for a full time employee. Duties included conducting routine facility inspections, completing revisions of the facility emergency response plans, updating the residual waste documentation, making a determination on their hazardous waste generator status, etc.

For the same client, Mr. Jackson performed onsite services as the acting Environmental Risk Manager focusing on maintaining or bringing into compliance environmental activities at their Lehigh, Pennsylvania facility. Mr. Jackson worked full time onsite 2-3 days per week.

Designed an in-door air remediation system for the removal of VOCs at several industrial facilities in New York and New Jersey. The design included of the use of radon mitigation equipment to evacuate sub-slab VOC vapors which were migrating into the basement above the slab.

Conducted an assessment of an office building potable water supply following a propylene glycol leak into the distribution system.

Provided construction management for the remediation of the Cragston Landfill in Highland Park, New York. The remediation was to install an engineered cap over the former garbage landfill.

The oversight included inspection of the liner installation, soil cover compaction, and drainage feature design and construction.

Conducted site inspections and provided engineer's certification for DPCC/DCR and SPCC plans for multiple industrial facilities in New Jersey and Delaware.

Prepare the engineering portion of deed notices for several properties associated with Honeywell chrome sites in Hudson County. Worked to establish a one-call type system for sites along the Bayonne Pipeline. Coordinated waste disposal for these sites.

Serve as Team Leader for the Honeywell Study Area 7 (SA7) Treatability Team focusing on the implementation of the pilot study phase of the program. The pilot program expanded to include additional testing with new reagents. Duties included assisting in the development of the scope of the pilot test program, contracting appropriate technology vendors, coordinating activities with the SA7 Implementation Team and onsite staff, and serving as the onsite construction supervisor for implementation of the pilot test activities. Participate in the development of cost estimates for full scale implementation of specific pilot tests that were successful.

2000-2005 Parsons. Team Leader. Mr. Jackson Served as Team Leader for the Honeywell Study Area 7 Treatability (SA7) Team to investigate the treatment of Chromium Ore Processing Residue (COPR). The Team was chartered to study the mechanisms for COPR heaving and release of hexavalent chromium not only for the SA7 site but, for multiple sites in New Jersey and Maryland. This highly significant research and development project included the coordination of approximately 12 contractors and academic entities managing various portions of the \$4 million investigation. Duties included providing

direction for the project, managing budget and schedule, maintaining the flow of critical information throughout the team, review of various interim and final reports, and applicable technology review.

Resident Contract (Project) Engineer for approximately 20 sites within Honeywell's Corporate Remediation and Evaluation Services (RES) department. Located at Honeywell's corporate headquarters in Morristown, New Jersey on a 40-hour pre week basis. Activities have included general support for Honeywell Project Managers for projects in multiple states under state regulatory lead, U.S. EPA lead or joint oversight situations. Projects have also been performed under various types of administrative/consent orders and voluntary programs.

RI/FS activities for Honeywell included coordinating and overseeing work on sites of varying size and land use with a wide range of contaminants of concern including VOCs, SVOCs, PCBs, TPH, metals, LNAPL and DNAPL in all media. Investigations have included biota sampling, NAPL fingerprinting, rapid optical screening tool (ROSTtm) testing, tidal studies, and vibracore sampling of sediments.

Remedial Design activities for Honeywell have included landfill cap designs (RCRA and TSCA) based on state and/or EPA requirements, groundwater treatment plants for contaminated groundwater and leachate, and a conceptual design for a containment disposal facility (CDF) for contaminated sediment.

Remedial Action for Honeywell has included the installation and operation of several pump and treat groundwater systems, successful development and implementation of natural attenuation proposals for groundwater, installation and operation of a soil vapor extraction (SVE) system, in-situ chemical oxidation of SVOCs and soil stabilization, and building demolition.

Became Honeywell Six Sigma Plus – Green Belt certified. The team I participated on was responsible for developing and implementing a new process to better identify potentially applicable remedial technologies prior to initiating a feasibility study for a site.

Participated as a member of the Honeywell Peer Review Team. The team was developed and the process implemented to provide in-house reviews of projects in various stages of progress up to construction. The reviews focused on remedial investigations, feasibility studies, remedial actions, etc. The reviews resulted in an action item list of things for the project team to investigate that could potentially reduce project capital costs, liability, O&M costs, shorten the duration of remedial actions, etc. Program resulted in the savings of over \$1 million because of a mid course correction suggested during the project's peer review. On another project, potential savings in cost and time were realized as a result of a better understanding of mixed waste (chemical and radioactive) rules and requirements.

Project Engineer for the development, implementation, and oversight of soil erosion controls for consolidation and capping of the Sharkey Landfill in Parsippany, New Jersey. The project involved working with the design engineer, construction contractor, and county soil erosion control office to provide appropriate erosion control and stabilization measures during the landfill work.

Served as the New Jersey Federal Business Development coordinator from approximately September 2000 through March 2002. Established contacts at DoD facilities in New Jersey and conducted business development activities to procure military contracts.

Mr. Jackson served as the Engineering Group Manager for the Parsons Somerset, New Jersey office for approximately 5 months. Responsible for assigning staff to various projects, maintaining staff utilization goals, mentoring junior staff,

conducting staff evaluations and coordinating with other Parsons office group managers.

1990-2000 CH2M HILL. Project Manager

Managed numerous site and remedial investigations in New Jersey, Pennsylvania, New York, and Connecticut involving all media for a variety of situations resulting from spills, underground storage tank leaks, the discharge of mixed waste material, etc. Duties included managing all aspects of the project; budgeting, staffing, scheduling, client relationship building, preparing project documents and reports, coordination with NJDEP, etc. Projects were completed under consent orders, memorandum of agreements, and at risk. Investigations have resulted in the implementation of Declaration of Environmental Restrictions (DER) and Classification Exemption Areas (CEA). Numerous sites were brought to closure (no further action) in New Jersey.

Site Manager for Superfund remedial investigations in US EPA Region III under the Alternative Remedial Contracting Service (ARCS) program. Duties included coordinating all aspects of the project, including the stringent contracting and laboratory requirements of the ARCS program. Projects were in Pennsylvania and involved a former plating operation that resulted in chromium contamination of soil and groundwater up to 20% chrome in certain areas; and lithium, chromium and mercury contamination at another site.

Prepared RCRA closure cost estimates that were deemed appropriate for the actual closure plan by the NJDEP for a precious metals manufacturer. The plan included sufficient detail in explaining the various closure steps that the NJDEP accepted it as a formal closure plan as well as cost estimate.

Project Engineer and construction manager for the modification and upgrade of underground storage tanks at several locations within Newark

Liberty International Airport for Continental Airlines. Duties included onsite management of demolition and construction activities, soil sampling, completion of UST modification reports for the NJDEP, and coordination with the New York/New Jersey Port Authority.

Transition Coordinator for Lockheed Martin Missiles and Space plant closure in West Windsor, New Jersey. Located at facility on a 40-hour per week basis for 14 months. The facility was approximately 750,000 square feet and had over 3,000 employees. Responsibilities included terminating permits, conducting ISRA activities, coordinating decontamination of the facility and facility equipment prior to reassignment, sale, or disposal, and coordinating disposal of hazardous and non-hazardous wastes generated at the facility. Duties also included conducting Phase I ESAs, health and safety training courses, and acting as onsite safety coordinator. The transition/closure was completed on time and under budget while setting an industry record of approximately four (4) million man-hours worked without a lost work day.

Managed and participated in environmental compliance auditing for electric utilities, the petroleum industry, and for the United States Postal Service. Project included auditing up to 14 different regulatory programs as well as client specific policies and practices. Developed self sustaining compliance calendars for Koch Industries, a petroleum industry client.

Participated in Phase I Environmental Site Assessments for numerous national clients at multiple sites. Site assessments included both Phase I and phase II efforts in the United States and Canada for industrial clients done in accordance with the applicable ASTM standards.

Developed and modified SPCC plans for Koch Industries bulk oil storage terminals in New Jersey.

Environmental planning efforts have included preparing sections of various Environmental Assessments (EA) for Jet Blue Airlines and US Airways for projects subject to the National Environmental Protection Act (NEPA). The work for Jet Blue was to assist them in getting their initial permits to operate at Kennedy International Airport. US Airways was planning a major expansion at the Pittsburgh Airport which required major environmental planning. Evaluated current and future impacts relating to wastewater, storm-water run-off, airplane de-icing run-off, solid and hazardous waste, and residual waste program.

Reviewed EAs prepared for United States military under the Base Realignment and Closure (BRAC) Program, and prepared employee trip reductions programs for the United States Postal Service to help meet air quality standards in non-attainment areas in New Jersey.

Served as the New Jersey office regulatory coordinator. This required disseminating pertinent regulatory information throughout the northeast region of CH2M HILL, participating in regional and national regulatory practice conference calls, fielding questions regarding various regulatory programs or directing staff to other appropriate staff, and participating in regulatory reviews for projects in the planning stages.

1987–1990 Massachusetts Water Resources Authority

Mr. Jackson worked as project engineer Strategized, planned, and implemented an \$8 million facilities planning study to determine the most cost-effective control mechanism for the Combined Sewer Overflow (CSO) Program in the greater metropolitan Boston area. Oversaw and directed the efforts of consulting firms maintaining project schedules and budgets and coordinating with local, state, and federal regulatory agencies. Evaluated various CSO control technologies

including dry weather overflow mechanisms and best management practices. Conducted public presentations regarding the CSO project to local neighborhood organizations and elected public officials.

Conducted industrial wastewater inspections throughout the MWRA service area of 43 communities surrounding Boston. Prepared follow-up reports with recommendations for appropriate wastewater sampling or enforcement actions. Initiated a program to promote recycling and waste minimization primarily focused on the metal finishing industry .

**1985–1987 U.S. EPA, Region I, Boston, MA
Staff Engineer**

Provided oversight for site remediation projects to ensure compliance with various orders for remediation issued by EPA Region I. Assisted in the authorization of the state of Maine's RCRA program. Reviewed and approved RCRA Part B Treatment, Storage, and Disposal (TSD) permit applications for industrial and military facilities.

Served as the acting Federal Facilities Coordinator for the hazardous waste management group within the Waste Management Division of EPA Region I.

Papers

Wazne, Mahmoud; Papazoglou, Pierantonios; Papastavrou, Marilena; Meng, Xiaoguang; Dermatas, Dimitris; Christodoulatos, Christos; Kaouris, Maria; Morris, John; *Jackson, Robert L.*; *Remediation of Chromite Ore Processing Residue by Chemical Reductants*, Eighth International Symposium on In Situ and On-Site Bioremediation; Baltimore, MD; June 6, 2005.

Nicholas VanZile



equity environmental engineering

227 Route 206, Building 1, Suite 6, Flanders, NJ 07836

Experience Summary

Mr. VanZile is a junior project scientist with a 3 years of professional experience that includes site investigation/remediation, asbestos inspecting, project oversight/monitoring, and due diligence. He has worked primarily in New Jersey, New York, and Pennsylvania.

Years of Experience:

3 Year

Education

B.S. Biology, Ramapo College 2010
Mahwah, NJ

Special Training

EPA AHERA Asbestos Inspector
OSHA 40 Hour HAZWOPER

Primary Experience

2011-Present: Equity Environmental Engineering, LLC, Junior Project Scientist.

Mr. VanZile has conducted site investigations including the use of field monitoring equipment such as a photo-ionization detector (PID), collection of ground water, potable water, soil and soil gas samples on properties which were and/or currently are manufacturing and commercial sites, gas stations, residential properties, manufactured gas plants, etc. He has been involved in projects with known heavy metal, chlorinated solvents, gasoline compounds, and fuel oil contamination.

Also, Mr. VanZile has provided field oversight for tank removal and remediation projects of varying magnitudes; the largest of which included the removal of two 35,000 gallon tanks and a multi-million dollar remediation effort. During this project he was in charge of Health and Safety

oversight and the implementation of a Community Air Monitoring Program (CAMP) which included dust and volatile organic compound monitoring.

Additionally, he has performed multiple Phase I Environmental Site Assessments, and has been part of the preparation of many Environmental Assessment Statements in which he has performed Air quality, noise, traffic, and parking surveys.

Other areas that Mr. VanZile is experienced in are the delineation of wetlands, and AutoCAD operation.

2010-2011: McCabe Environmental Services, LLC, Environmental Scientist. Mr. VanZile performed tasks such as inspection of hazardous materials such as asbestos, mold and lead; monitoring of the removal of the aforementioned materials; collection of air samples during such removal activities; and writing of inspection and monitoring reports.

2010 Meadowlands Environmental Center. Assistant Environmental Educator. Mr. VanZile provided instruction to students on environmental, historical and other scientific topics including sustainability habitats, environmental contamination, etc., and assistance to environmental educators in the education of children and adults with disabilities

Mr. Vanzile also designed and implemented lesson plans using Universal Instructional Design.

Reilly Engineering D.P.C.
Consulting Engineer

"For every house is built by someone, but the builder of all things is God"

Hebrews 3:4

4 Bezel Lane Smithtown, N.Y. 11787

Tel: (631) 724-7888

Fax: (631) 724-5740



May 06, 2015

Long Island Materials Testing Inc
P.O. Box 233
College Point, NY 11356
Attention: Bob Barnett

Re: Proposed 9 story Mosque with apartments above
Located at 1815 West Farms Road
Bronx, NY

To Whom It May Concern:

In accordance with your request, we have developed a "phase 1" soils report for the above-mentioned project as follows:

1.0 INTRODUCTION

This report presents the results of a geotechnical engineering study performed at the site of the proposed 9 story building at the above-named location. Included in this report is a summary of subsurface conditions reviewed and the implications of these conditions with respect to the design and construction of the foundation for the proposed structure.

2.0 SUBSURFACE INFORMATION

Subsurface information reviewed included:

1. Test borings B-1 to B4 conducted by Long Island Materials Testing Laboratories Inc. 4/23/15.
2. Soil samples recovered from above test borings.
3. Test borings were performed using a 3 1/4" I.D. hollow stem auger with a 2" sampling spoon and a 140lb hammer falling 30"; "N" values are determined by adding the 2nd & 3rd increments of the sampling spoon.

3.0 PROJECT INFORMATION

Other project information reviewed included:

1. Soil test boring locations shown on LIMT drawings # 15805

4.0 SUBSURFACE CONDITIONS

Soil at this location varied considerably across the site including clay, silt, fine sand, gravel, and rock fragments. At borings B2 & B3 there was a 4'-6' layer of material with no allowable bearing capacity. The borings met refusal on rock at 9' to 25' below the existing grade.

5.0 RECOMMENDED FOUNDATION DESIGN

Due to the varying subsurface conditions, and allowable bearing capacities, spread footings would not be a viable option for this site. It is recommended that the foundation for the proposed building be designed with 40 Ton steel pipe piles, and concrete grade beams, with a structural first floor concrete slab.

6.0 GROUND WATER

Ground water was encountered at 14.5' to 19' below grade and should not be a consideration in regard to the foundation construction.

7.0 CONSTRUCTION DESIGN RECOMMENDATIONS

1. It is recommended that the foundations for the proposed building be designed as 40 Ton steel pipe pile-supported.
2. For seismic design, site class shall be site class "C" site coefficients $S_s = .365$ $S_1 = .071$
3. Except for the sand layer in boring B4, none of the material in the upper 10' of soil strata on the site is satisfactory for back fill or subsurface drainage.
4. It is recommended that the excavation and backfilling be performed under the direction of a geotechnical consultant or Registered Professional Engineer.
5. Foundation walls and retaining walls shall be designed for lateral earth pressure of 60 psf/ft of depth.
6. Non-structural slabs on grade shall be 5" thick with 6" x 6" W4.0 / W4.0 WWM, on a well-compacted 6" layer of granular porous subgrade with a 6 mil vapor barrier.
7. The maximum total settlement of the structure is estimated at 1/2" with a maximum differential settlement of 1/4"; settlement of sidewalks, yards and landscaped areas is estimated at 1/2".
8. Concrete Grade Beams & Slabs, Pile Installations, Underpinning and Shoring special inspections shall be conducted in accordance with the requirements of the Building Code of New York City.

8.0 FINAL COMMENTS

This report has been prepared for a specific application to the specific project in accordance with generally accepted soil and foundation engineering practices. No other warranty, expressed or implied is made. In the event that any changes in the nature, design or location of structures are planned, the conclusions and recommendations contained in this report shall not be considered valid, unless the changes are reviewed and conclusions of this report modified or verified in writing.

If you have any questions regarding this matter, do not hesitate to contact my office.

Very truly yours,



Thomas D. Reilly, P.E.



cc:/file

APPENDIX B

Health and Safety Plan and Phase II Work Plan



Health and Safety Plan

**1815 West Farms Road
Bronx, NY 10460
Block: 3015; Lots: 67, 87, & 89**

September 2015

Prepared for:

**West Farms Equities
1815 West Farms Road
Bronx, NY 10460**

Prepared by:

**CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, NY 11803-1614**

Health & Safety Plan

REMEDIAL INVESTIGATION

1815 West Farms Road
Bronx, NY 10460
Block 3015; Lots 62, 87 & 89

1.0 INTRODUCTION

This Health and Safety Plan ("HASP") is developed for utilization during implementation of the Remedial Investigation at the above referenced site located 1815 West Farms Road in the Bronx, New York (the Site). The HASP is to be enforced by CA RICH's Project Health and Safety Manager and the on-site Health & Safety Coordinator (HSC) or his/her designee. The on-site HSC will interface with the Project Manager and is vested with the authority to make field decisions including the termination of on-site activities if an imminent health and safety hazard, condition or related concern arises. Information and protocol in the HASP is applicable to all on-site personnel who will be entering the designated work zone.

2.0 POTENTIAL HAZARDS

2.1 Chemical Hazards

CA RICH is currently unaware of any chemical hazards on-site. Soil samples were recently collected from the Site. Low levels of Volatile Organic Compounds (VOCs) were identified below Restricted Residential Soil Cleanup Objectives (SCOs). Low levels of Semi Volatile Organic Compounds (SVOCs) and metals were identified. A few SVOCs and metals were detected above Restricted Residential SCOs. CA RICH will operate as if there is a potential for VOCs, SVOCs, and metals contamination on-site.

VOC and SVOCs are typically described as "sweet" or "aromatic" smelling and are narcotic in high concentrations. Acute exposure to significant concentrations of these chemicals can cause irritation of the skin, eyes and mucus membrane, headache, dizziness, nausea, and in high enough concentrations, loss of consciousness and death (*Sax, 1984*). These compounds are suspected to be carcinogenic with chronic exposure.

Physical properties and additional toxicological information for potential contaminants are included in Appendix A.

2.2 Other Health & Safety Risks

Normal physical hazards associated with using drilling and excavation equipment and hand tools as well as hazards associated with adverse climatic conditions (heat & cold) or physical site-related debris represent a certain degree of risk to be assumed by on-site personnel.

Certain provisions in this Plan, specifically the use of personnel protective equipment, may tend to increase the risk of physical injury, as well as susceptibility to cold or heat stress. This is primarily due to restrictions in dexterity, hearing, sight, and normal body heat transfer inherent in the use of protective gear.

3.0 RISK MANAGEMENT

3.1 Work / Exclusion Zones

For each proposed investigation activity a work / exclusion zone will be established. Access to this area will be limited to properly trained, properly protected personnel directly involved with investigation. Enforcement of the work / exclusion zone boundaries is the responsibility of the on-site Health & Safety Coordinator or his/her designee.

3.2 Personnel Protection

Health & Safety regulatory personnel have developed different levels of personnel protection to deal with differing degrees of potential risks of exposure to chemical constituents. The levels are designated as **A**, **B**, **C**, and **D** and are ranked according to the amount of personnel protection afforded by each level. Level **A** is the highest level of protection and Level **D** is the lowest level of protection.

The different levels are primarily dependent upon the degree of respiratory protection necessary, in conjunction with appropriate protective clothing. Levels of protection mandate a degree of respiratory protection. However, flexibility exists within the lower levels (B, C, and D) concerning proper protective clothing.

The four levels of protection were developed for utilization in situations which involve suspected or known atmospheric and/or environmental hazards including airborne contamination and skin-affecting substances.

It is anticipated that all of the investigation work will be performed using Level D protection (no respiratory protection with protective clothing requirements limited to long sleeved shirts, long pants or coveralls, work gloves and steel-toe leather work boots).

Level D may be modified by the HSC to include protective clothing or equipment (Saran-coated disposable coveralls or PVC splash suits, safety glasses, hard hat with face shield, and chemically resistant boots) based upon physical hazards, skin contact concerns, and real-time monitoring.

Real-time air monitoring for total airborne organics using either an OVA or an HNU will determine if and when an upgrade from Level D to a higher level of respiratory protection is warranted. Decisions for an upgrade from Level D to higher levels of protection, mitigative actions, and/or suspension of work are the responsibility of the Project Manager and/or the designated on-site Health & Safety Coordinator.

In the event odors are detected, Level C respiratory protection will be employed. Organic vapor cartridges are capable of removing xylenes at a concentration of 1,000 ppm and trimethylbenzenes at a concentration of 250 ppm.

3.2 Air Monitoring

The Health & Safety Coordinator or his/her properly trained assignee will conduct "Real Time" air monitoring for total organic vapors. 'Real-time' monitoring refers to the utilization of instrumentation, which yields immediate measurements. The utilization of real time monitoring helps determine immediate or long-term risks to on-site personnel and the general public, the appropriate level of personnel respiratory protection necessary, and actions to mitigate the recognized hazard.

3.2.1. Organic Vapor

A. Instrumentation

Real-time monitoring for total organic vapor (TOV) utilizes either a photo-ionization detector (PID) or flame ionization detector (FID). The appropriate PID is an intrinsically safe HNU Systems Model PI-101, MiniRae 3,000 or equivalent PID, which is factory calibrated to benzene and is capable of detecting petroleum-related contamination. The appropriate FID is a Foxboro model 128 Organic vapor Analyzer (OVA), which is factory calibrated to methane.

B. Application

Organic vapor monitoring is performed as outlined in the NYSDOH Community Air Monitoring Plan. Specifically, monitoring shall be conducted at the downwind perimeter of the work zone periodically during work activities. If TOV levels exceed 5 milligrams per meter cubed (mg/m^3) above established pre-work background levels, work activities will be halted and monitoring will be continued under the provision of a Vapor Emission Response Plan (outlined in Section 5).

3.3 Worker Training

Personnel working in the contamination area must be trained, fit-tested, and medically-Certified (OSHA 29 CFR 1910. 134).

All personnel working within the work/exclusion area must confirm their participation in an ongoing health surveillance program. The program must consist of an initial "baseline" examination stipulated by OSHA (29 CFR 1910. 134). The examination is designed to screen for evidence of adverse effects of occupational exposure (particularly to toxic substances) and determine personnel fitness with respect to the use of respiratory protection.

Each worker enlisted in the medical surveillance program receives an annual examination similar to the baseline exam to evaluate irregularities or trends in his/her health with respect to potential exposure. Upon termination of employment, contract/subcontract or job completion, each worker/employee must take an 'exit examination' identical to the annual exam. All physicals will be performed by licensed physicians with medical histories to be confidentially maintained by their employer.

Prior to any work, all workers involved with the project should be aware of the potential chemical, physical and biological hazards discussed in this document, as well as the general safety practices outlined below. A safety briefing by the on-site HSC and/or assistant designee shall take place at the outset of work activities.

3.4 General Safety Practices

The following safety practices shall be followed by all project personnel.

1. Avoid unnecessary skin exposure to subsurface materials. Sleeved shirts tucked into long pants (or coveralls), work gloves, and steel-toe leather work boots are required unless modified gear is approved by the HSC. Remove any excess residual soil from clothes prior to leaving the site.
2. No eating, drinking, gum or tobacco chewing, or smoking allowed in designated work areas. Thoroughly wash hands prior to these activities outside the work area. Avoid sitting on the ground during breaks or while eating and drinking. Thoroughly wash all exposed body areas at the end of the workday.

3. Some symptoms of acute exposure include: dizziness, light-headedness, drowsiness, headache, and nose/eye/skin irritation. If these symptoms are experienced or strong odor is detected, leave the work area and immediately report the incident to the on-site HSC.

3.5 Enforcement

Enforcement of the Site Safety Plan will be the responsibility of the HSC or his/her designee. The Coordinator or his/her designee should be on-site on a full-time basis and perform or directly oversee all aspects of Project Health & Safety operations including: air monitoring; environmental mitigation; personnel respiratory and skin protection; general safety practices; documentation; emergency procedures and protocol; and reporting and recordkeeping as described below.

3.6 Reporting & Recordkeeping

Incidents involving injury, symptoms of exposure, discovery of contained (potentially hazardous) materials, or unsafe work practices and/or conditions should be immediately reported to the HSC.

A logbook must be maintained on-site to document all aspects of HASP enforcement. The log is paginated and dated with entries made on a daily basis in waterproof ink, initialed by the HSC or designee. Log entries should include date and time of instrument monitoring, instrument type, measurement method, test results, calibration and maintenance information, as well as appropriate mitigative actions responding to detections. Miscellaneous information to be logged may include weather conditions, reported complaints or symptoms, regulatory inspections, and reasons to upgrade personnel protection above the normal specification (Level D).

4.0 EMERGENCIES

4.1 EMERGENCY RESPONSE SERVICES

- | | | |
|-----|---|-----------------------|
| (1) | HOSPITAL
New York Founding Hospital
1026 E 180 th Street
Bronx, NY 10460 | (718) 617-4010 |
| (2) | AMBULANCE | 911 |
| (3) | FIRE DEPARTMENT
HAZARDOUS MATERIALS | 911 |
| (4) | POLICE DEPARTMENT | 911 |
| (5) | POISON CONTROL CENTER | (800) 222-1222 |

The preceding list and associated attached map (Figure 1) illustrating the fastest route to the nearest hospital must be conspicuously posted in areas of worker congregation and adjacent to all on-site telephones (if any).

4.2 EMERGENCY PROCEDURES

4.2.1 Contact or Exposure to Suspected Hazardous Materials

In the event of a fire, chemical discharge, medical emergency, workers are instructed to immediately notify the HSC and proper emergency services (posted). Should physical contact with unknown or questionable materials occur, immediately wash the affected body areas with clean water and notify the HSC. Anyone experiencing symptoms of exposure should exit the work area, notify the HSC, and seek medical attention.

4.2.2 Personnel Decontamination, First Aid, and Fire Protection

The first step in the treatment of skin exposure to most chemicals is to rinse the affected area with water. For this reason, adequate amounts of potable water and soap are maintained on-site in a clearly designated and readily-accessible location. Portable emergency eyewash stations and a first aid kit must be made available and maintained in the same locations as the potable water. Fire extinguishers are also to be maintained on-site in designated locations. All on-site personnel are to be made aware of the locations of the above-mentioned on-site Health & Safety accommodations during the initial Health and Safety briefing.

4.2.3 Ingress/egress

Clear paths of ingress/egress to work zones and site entrances/exits must be maintained at all times. Unauthorized personnel are restricted from accessing the site.

5.0 VAPOR EMISSIONS RESPONSE PLAN

If the ambient air concentration of organic vapors exceeds 5 mg/m³ above background at the perimeter of the work area, activities will be halted and monitoring continued. If the organic vapor level decreases below 5 mg/m³ above background, work activities can resume. If the organic vapor levels are greater than 5 mg/m³ over background but less than 25 ppm over background at the perimeter of the work area, activities can resume provided:

- The organic vapor level 200 ft. downwind of the work area or half the distance to the nearest residential or commercial structure, whichever is less, is below 5 mg/m³ over background.

If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown. When work shutdown occurs, downwind air monitoring as directed by the Safety Officer will be implemented to ensure that vapor emission does not impact the nearest residential or commercial structure at levels exceeding those specified in the Major Vapor Emission section.

Major Vapor Emission

If any organic levels greater than 5 mg/m³ over background are identified 200 feet downwind from the work area or half the distance to the nearest residential or commercial property, whichever is less, all work activities must be halted.

If, following the cessation of the work activities, or as the result of an emergency, organic levels persist above 5 mg/m³ above background 200 feet downwind or half the distance to the nearest residential or commercial property from the work area, then the air quality must be monitored within 20 feet of the perimeter of the nearest residential or commercial structure (20 Foot Zone).

If efforts to abate the emission source are unsuccessful and, if organic vapor levels are approaching 5 mg/m³ above background for more than 30 minutes in the 20 Foot Zone, then the Major Vapor Emission Response Plan shall automatically be placed into effect;

However, the Major Vapor Emission Response Plan shall be immediately placed into effect if organic vapor levels are greater than 10 mg/m³ above background.

Major Vapor Emission Response Plan

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health & Safety Plan of the Corrective Action Plan will go into effect.
2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.
3. Frequent air monitoring will be conducted at 30 minute intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

6.0 HEALTH & SAFETY PLAN REFERENCES

1. American Conference Governmental Industrial Hygienists, 1989; Threshold Limit Values and Biological Exposure Indices, 111 Pp.
2. Geoenvironmental Consultants, Inc.; 1987; Safety & Operations At Hazardous Materials Sites
3. NIOSH Guide To Chemical Hazards, 2002, US Department Of Health And Human Services, Centers For Disease Control
4. US Department Of Labor Occupational Safety & Health Administration, 1989; Hazardous Waste Operations And Emergency Response Interim Final Rule, 29 CFR Part 1910
5. Sax, N. I. Dangerous Properties Of Industrial Materials; © 1984

7.0 KEY PERSONNEL

<u>Responsibility</u>	<u>Name and Phone Number</u>	<u>Task Description</u>
Project Manager	<u>Victoria Whelan (516) 576-8844</u>	Oversee and coordinate all technical aspects for the project
Site Safety Officer	<u>William Fitchett (516) 576-8844</u>	Coordinate and inspect all health and safety operations from the project site
Client Representative	<u>Sabah Rajput (718) 991-1700</u>	
Project Manager Alternate	<u>Jessica Proscia (516) 576-8844</u>	
Site Safety Officer Alternate	<u>Thomas Brown (516) 576-8844</u>	

FIGURE



Trip to:

New York Foundling Hospital

1026 E 180th St

Bronx, NY 10460

(718) 617-4010

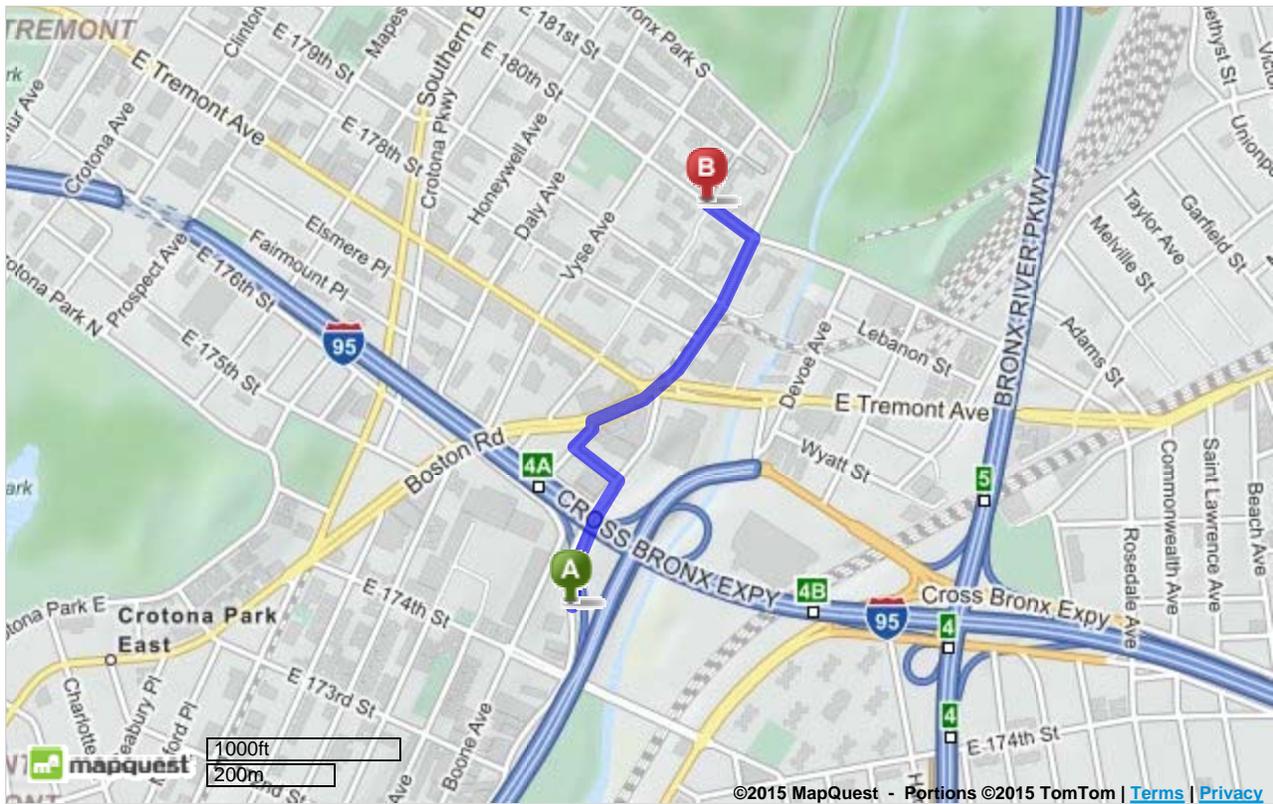
0.60 miles / 2 minutes

Notes

Figure 1

	1815 W Farms Rd , Bronx, NY 10460-6026	Download Free App
	1. Start out going north on W Farms Rd toward Cross Bronx Expy. Map	0.2 Mi 0.2 Mi Total
	2. Turn left onto Rodman Pl. Map <i>Rodman Pl is just past Cross Bronx Expy If you reach E Tremont Ave you've gone about 0.1 miles too far</i>	0.06 Mi 0.2 Mi Total
	3. Turn right onto Longfellow Ave. Map	0.04 Mi 0.3 Mi Total
	4. Turn slight right onto Boston Rd. Map <i>Howard Johnson Express Inn Bronx is on the corner</i>	0.3 Mi 0.5 Mi Total
	5. Turn left onto E 180th St. Map <i>E 180th St is just past E 179th St If you reach Bronx Park S you've gone about 0.1 miles too far</i>	0.06 Mi 0.6 Mi Total
	6. 1026 E 180TH ST is on the left. Map <i>Your destination is just past Bryant Ave If you reach Vyse Ave you've gone a little too far</i>	
	New York Foundling Hospital 1026 E 180th St, Bronx, NY 10460 (718) 617-4010	

Total Travel Estimate: **0.60 miles - about 2 minutes**



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Appendix A

Toxicological Information



Search the Pocket Guide

Enter search terms separated by spaces.

Tetrachloroethylene

Synonyms & Trade Names Perchloroethylene, Perchloroethylene, Perk, Tetrachloroethylene

CAS No. 127-18-4

RTECS No. KX3850000
(/niosh-
rtecs/KX3ABF10.html)

DOT ID & Guide 1897 160
(http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-
gmu/erg/guidepage.aspx?guide=160)

Formula Cl₂C=CCl₂

Conversion 1 ppm =
6.78 mg/m³

IDLH Ca [150 ppm]
See: 127184 (/niosh/idlh/127184.html)

Exposure Limits

NIOSH REL : Ca Minimize workplace exposure concentrations. See Appendix A (nengapdx.html)

OSHA PEL † (nengapdxg.html) : TWA 100 ppm
C 200 ppm (for 5 minutes in any 3-hour period), with a maximum peak of 300 ppm

Measurement Methods

NIOSH 1003 (/niosh/docs/2003-154/pdfs/1003.pdf) ;

OSHA 1001 (/niosh/docs/2003-154/pdfs/1001.pdf)

See: NMAM (/niosh/docs/2003-154/) or OSHA Methods
(http://www.osha.gov/dts/sltc/methods/index.html)

Physical Description Colorless liquid with a mild, chloroform-like odor.

MW:
165.8

BP:
250°F

FRZ: -2°F

Sol: 0.02%

VP: 14 mmHg

IP: 9.32 eV

Sp.Gr:
1.62

Fl.P:
NA

UEL: NA

LEL: NA

Noncombustible Liquid, but decomposes in a fire to hydrogen chloride and phosgene.

Incompatibilities & Reactivities Strong oxidizers; chemically-active metals such as lithium, beryllium & barium; caustic soda; sodium hydroxide; potash

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin, nose, throat, respiratory system; nausea; flush face, neck; dizziness, incoordination; headache, drowsiness; skin erythema (skin redness); liver damage; [potential occupational carcinogen]

Target Organs Eyes, skin, respiratory system, liver, kidneys, central nervous system

Cancer Site [in animals: liver tumors]**Personal Protection/Sanitation** (See protection codes (protect.html))**Skin:** Prevent skin contact**Eyes:** Prevent eye contact**Wash skin:** When contaminated**Remove:** When wet or contaminated**Change:** No recommendation**Provide:** Eyewash, Quick drench**First Aid** (See procedures (firstaid.html))**Eye:** Irrigate immediately**Skin:** Soap wash promptly**Breathing:** Respiratory support**Swallow:** Medical attention immediately**Respirator Recommendations****NIOSH****At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:**

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister

Any appropriate escape-type, self-contained breathing apparatus

Important additional information about respirator selection (pgintrod.html#mustread)See also: INTRODUCTION (/niosh/npg/pgintrod.html) See ICSC CARD: 0076 (/niosh/ipcsneng/neng0076.html) See MEDICAL TESTS: 0179 (/niosh/docs/2005-110/nmed0179.html)

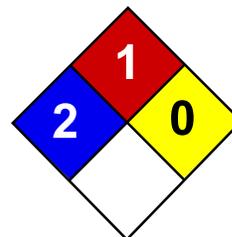
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cdcinfo@cdc.gov





Health	2
Fire	1
Reactivity	0
Personal Protection	J

Material Safety Data Sheet

Silver MSDS

Section 1: Chemical Product and Company Identification

Product Name: Silver

Catalog Codes: SLS4222, SLS2005, SLS3427, SLS1210, SLS2632, SLS4054, SLS1837

CAS#: 7440-22-4

RTECS: VW3500000

TSCA: TSCA 8(b) inventory: Silver

CI#: Not applicable.

Synonym:

Chemical Formula: Ag

Contact Information:

Sciencelab.com, Inc.

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Silver	7440-22-4	100

Toxicological Data on Ingredients: Silver: ORAL (LD50): Acute: 100 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:

Very hazardous in case of eye contact (irritant), of ingestion, of inhalation. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact: No known effect on skin contact, rinse with water for a few minutes.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:

Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label.

Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 0.01 (mg/m³) from OSHA (PEL) TWA: 0.01 (mg/m³) from OSHA NIOSH Australia: TWA: 0.1 (mg/m³) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Solid metallic powder. Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 107.87 g/mole

Color: Not available.

pH (1% soln/water): Not applicable.

Boiling Point: 2212°C (4013.6°F)

Melting Point: 961°C (1761.8°F)

Critical Temperature: Not available.

Specific Gravity: 10.4 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Is not dispersed in cold water, hot water.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 100 mg/kg [Mouse].

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Very hazardous in case of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification:

Identification:

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:

Rhode Island RTK hazardous substances: Silver Pennsylvania RTK: Silver Minnesota: Silver Massachusetts RTK: Silver New Jersey: Silver TSCA 8(b) inventory: Silver TSCA 8(a) PAIR: Silver TSCA 8(d) H and S data reporting: Silver SARA 313 toxic chemical notification and release reporting: Silver: 1% CERCLA: Hazardous substances.: Silver: 1000 lbs. (453.6 kg)

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):

CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC): R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: j

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Not applicable. Lab coat. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:26 PM

Last Updated: 05/21/2013 12:00 PM

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SEARCH

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Mercury compounds [except (organo) alkyls] (as Hg)

Synonyms & Trade Names Mercury metal: Colloidal mercury, Metallic mercury, Quicksilver
Synonyms of "other" Hg compounds vary depending upon the specific compound.

CAS No. 7439-97-6 (metal)

RTECS No.
OV4550000 (metal)
(/niosh-rtecs/OV456D70.html)

DOT ID & Guide 2809 172 <http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=172> (metal)

Formula Hg
(metal)

Conversion

IDLH 10 mg/m³ (as Hg)
See: [7439976 \(/niosh/idlh/7439976.html\)](/niosh/idlh/7439976.html)

Exposure Limits

NIOSH REL :

Hg Vapor: TWA 0.05 mg/m³ [skin]

Other: C 0.1 mg/m³ [skin]

OSHA PEL † (nengapdxg.html): TWA 0.1 mg/m³

Measurement Methods

NIOSH 6009 [http://niosh/docs/2003-154/pdfs/6009.pdf](/niosh/docs/2003-154/pdfs/6009.pdf) ;

OSHA ID140 <http://www.osha.gov/dts/sltc/methods/inorganic/id140/id140.html>

(<http://www.osha.gov/dts/sltc/methods/inorganic/id140/id140.html>)

See: **NMAM** (</niosh/docs/2003-154/>) or **OSHA Methods** <http://www.osha.gov/dts/sltc/methods/index.html>

(<http://www.osha.gov/dts/sltc/methods/index.html>)

Physical Description Metal: Silver-white, heavy, odorless liquid. [Note: "Other" Hg compounds include all inorganic & aryl Hg compounds except (organo) alkyls.]

MW:
200.6

BP:
674°F

FRZ: -
38°F

Sol:
Insoluble

VP: 0.0012 mmHg

IP: ?

Sp.Gr:
13.6
(metal)

Fl.P:
NA

UEL:
NA

LEL: NA

Metal: Noncombustible Liquid

Incompatibilities & Reactivities Acetylene, ammonia, chlorine dioxide, azides, calcium (amalgam formation), sodium carbide, lithium, rubidium, copper

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin; cough, chest pain, dyspnea (breathing difficulty), bronchitis, pneumonitis; tremor, insomnia, irritability, indecision, headache, lassitude (weakness, exhaustion); stomatitis, salivation; gastrointestinal disturbance, anorexia, weight loss; proteinuria

Target Organs Eyes, skin, respiratory system, central nervous system, kidneys

Personal Protection/Sanitation (See [protection codes \(protect.html\)](http://protect.html))

First Aid (See [procedures \(firstaid.html\)](http://firstaid.html))

Eye: Irrigate immediately

Skin: Prevent skin contact
Eyes: No recommendation
Wash skin: When contaminated
Remove: When wet or contaminated
Change: Daily

Skin: Soap wash promptly
Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

Mercury vapor:

NIOSH

Up to 0.5 mg/m³:

(APF = 10) Any chemical cartridge respirator with cartridge(s) providing protection against the compound of concern†

(APF = 10) Any supplied-air respirator

Up to 1.25 mg/m³:

(APF = 25) Any supplied-air respirator operated in a continuous-flow mode

(APF = 25) Any powered, air-purifying respirator with cartridge(s) providing protection against the compound of concern† (canister)

Up to 2.5 mg/m³:

(APF = 50) Any chemical cartridge respirator with a full facepiece and cartridge(s) providing protection against the compound of concern†

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern†

(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and cartridge(s) providing protection against the compound of concern (canister)

(APF = 50) Any self-contained breathing apparatus with a full facepiece

(APF = 50) Any supplied-air respirator with a full facepiece

Up to 10 mg/m³:

(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern

Any appropriate escape-type, self-contained breathing apparatus

Other mercury compounds: NIOSH/OSHA

Up to 1 mg/m³:

(APF = 10) Any chemical cartridge respirator with cartridge(s) providing protection against the compound of concern†

(APF = 10) Any supplied-air respirator

Up to 2.5 mg/m³:

(APF = 25) Any supplied-air respirator operated in a continuous-flow mode

(APF = 25) Any powered, air-purifying respirator with cartridge(s) providing protection against the

compound of concern† (canister)

Up to 5 mg/m³:

(APF = 50) Any chemical cartridge respirator with a full facepiece and cartridge(s) providing protection against the compound of concern†

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern†

(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and cartridge(s) providing protection against the compound of concern (canister)

(APF = 50) Any self-contained breathing apparatus with a full facepiece

(APF = 50) Any supplied-air respirator with a full facepiece

Up to 10 mg/m³:

(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted canister providing protection against the compound of concern

Any appropriate escape-type, self-contained breathing apparatus

[Important additional information about respirator selection \(pgintrod.html#mustread\)](#)

See also: [INTRODUCTION \(/niosh/npg/pgintrod.html\)](#) See ICSC CARD: [0056](#)

[\(/niosh/ipcsneng/neng0056.html\)](#) See MEDICAL TESTS: [0136 \(/niosh/docs/2005-110/nmed0136.html\)](#)

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Lead

Synonyms & Trade Names Lead metal, Plumbum

CAS No. 7439-92-1	RTECS No. OF7525000 (/niosh-rtecs/OF72D288.html)	DOT ID & Guide
Formula Pb	Conversion	IDLH 100 mg/m ³ (as Pb) See: 7439921 (/niosh/idlh/7439921.html)

Exposure Limits

NIOSH REL *: TWA (8-hour) 0.050 mg/m³ [See Appendix C \(nengapdxc.html\)](#) [*Note: The REL also applies to other lead compounds (as Pb) -- see Appendix C.]

OSHA PEL *: [1910.1025] TWA 0.050 mg/m³ [See Appendix C \(nengapdxc.html\)](#) [*Note: The PEL also applies to other lead compounds (as Pb) -- see Appendix C.]

Measurement Methods

NIOSH 7082 (</niosh/docs/2003-154/pdfs/7082.pdf>), **7105** (</niosh/docs/2003-154/pdfs/7105.pdf>), **7300** (</niosh/docs/2003-154/pdfs/7300.pdf>), **7301** (</niosh/docs/2003-154/pdfs/7301.pdf>), **7303** (</niosh/docs/2003-154/pdfs/7303.pdf>), **7700** (</niosh/docs/2003-154/pdfs/7700.pdf>), **7701** (</niosh/docs/2003-154/pdfs/7701.pdf>), **7702** (</niosh/docs/2003-154/pdfs/7702.pdf>), **9100** (</niosh/docs/2003-154/pdfs/9100.pdf>), **9102** (</niosh/docs/2003-154/pdfs/9102.pdf>), **9105** (</niosh/docs/2003-154/pdfs/9105.pdf>);

OSHA ID121 (<http://www.osha.gov/dts/sltc/methods/inorganic/id121/id121.html>), **ID125G** (<http://www.osha.gov/dts/sltc/methods/inorganic/id125g/id125g.html>), **ID206** (<http://www.osha.gov/dts/sltc/methods/inorganic/id206/id206.html>)
See: [NMAM \(/niosh/docs/2003-154/\)](/niosh/docs/2003-154/) or [OSHA Methods \(http://www.osha.gov/dts/sltc/methods/index.html\)](http://www.osha.gov/dts/sltc/methods/index.html)

Physical Description A heavy, ductile, soft, gray solid.

MW: 207.2	BP: 3164°F	MLT: 621°F	Sol: Insoluble	VP: 0 mmHg (approx)	IP: NA
Sp.Gr: 11.34	Fl.P: NA	UEL: NA	LEL: NA		

Noncombustible Solid in bulk form.

Incompatibilities & Reactivities Strong oxidizers, hydrogen peroxide, acids**Exposure Routes** inhalation, ingestion, skin and/or eye contact**Symptoms** lassitude (weakness, exhaustion), insomnia; facial pallor; anorexia, weight loss, malnutrition;

constipation, abdominal pain, colic; anemia; gingival lead line; tremor; paralysis wrist, ankles; encephalopathy; kidney disease; irritation eyes; hypertension

Target Organs Eyes, gastrointestinal tract, central nervous system, kidneys, blood, gingival tissue

Personal Protection/Sanitation (See [protection codes \(protect.html\)](#))

Skin: Prevent skin contact

Eyes: Prevent eye contact

Wash skin: Daily

Remove: When wet or contaminated

Change: Daily

First Aid (See [procedures \(firstaid.html\)](#))

Eye: Irrigate immediately

Skin: Soap flush promptly

Breathing: Respiratory support

Swallow: Medical attention immediately

Respirator Recommendations

(See [Appendix E \(nengapdx.html\)](#))

NIOSH/OSHA

Up to 0.5 mg/m³:

(APF = 10) Any air-purifying respirator with an N100, R100, or P100 filter (including N100, R100, and P100 filtering facepieces) except quarter-mask respirators.

[Click here \(pgintrod.html#nrp\)](#) for information on selection of N, R, or P filters.

(APF = 10) Any supplied-air respirator

Up to 1.25 mg/m³:

(APF = 25) Any supplied-air respirator operated in a continuous-flow mode

(APF = 25) Any powered, air-purifying respirator with a high-efficiency particulate filter.

Up to 2.5 mg/m³:

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.

[Click here \(pgintrod.html#nrp\)](#) for information on selection of N, R, or P filters.

(APF = 50) Any supplied-air respirator that has a tight-fitting facepiece and is operated in a continuous-flow mode

(APF = 50) Any powered, air-purifying respirator with a tight-fitting facepiece and a high-efficiency particulate filter

(APF = 50) Any self-contained breathing apparatus with a full facepiece

(APF = 50) Any supplied-air respirator with a full facepiece

Up to 50 mg/m³:

(APF = 1000) Any supplied-air respirator operated in a pressure-demand or other positive-pressure mode

Up to 100 mg/m³:

(APF = 2000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

Emergency or planned entry into unknown concentrations or IDLH conditions:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator with an N100, R100, or P100 filter.

[Click here \(pgintrod.html#nrp\)](#) for information on selection of N, R, or P filters.

Any appropriate escape-type, self-contained breathing apparatus

[Important additional information about respirator selection \(pgintrod.html#mustread\)](#)

See also: [INTRODUCTION \(/niosh/npg/pgintrod.html\)](/niosh/npg/pgintrod.html) See ICSC CARD: [0052 \(/niosh/ipcsneng/neng0052.html\)](#) See MEDICAL TESTS: [0127 \(/niosh/docs/2005-110/nmed0127.html\)](#)

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cdcinfo@cdc.gov



1. IDENTIFICATION

Catalog Number / Product Name: 31279, 31279-5XX, & 31379 / Indeno (1,2,3-cd) pyrene Standard
Company: Restek Corporation
Address: 110 Benner Circle
Bellefonte, Pa. 16823
Phone#: 814-353-1300
Fax#: 814-353-1309
Emergency#: 800-424-9300 (CHEMTREC)
703-527-3887 (Outside the US)
Email: sds@restek.com
Revision Number: 8
Intended use: For Laboratory use only

2. HAZARD(S) IDENTIFICATION

Emergency Overview:

GHS Hazard Symbols:



GHS Classification: Carcinogenicity Category 2

GHS Hazard: Suspected of causing cancer.

GHS Precautions:

Safety Precautions: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.

First Aid Measures: IF exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/container according to section 13 of the SDS.

Single Exposure Target Organs: No data available.

Repeated Exposure Target Organs: No data available.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINEC #	% Composition
Dichloromethane	75-09-2	200-838-9	99.900000
indeno (1,2,3-c,d) pyrene	193-39-5		0.100000

4. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate

medical attention and monitor the eye daily as advised by your physician. Serious harm (damage) may result if treatment is delayed. Continue to flush eyes while awaiting medical attention

Skin Contact: Wash with soap and water. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get medical attention immediately.

Ingestion: Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this SDS. Never give anything by mouth to an unconscious person

5. FIRE- FIGHTING MEASURES

Extinguishing Media: Use methods suitable to fight surrounding fire.
Fire Fighting Methods and Protection: Use methods for the surrounding fire.
Hazardous Combustion Products: Carbon dioxide, Carbon monoxide

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits.

Methods for Clean-up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation.

7. HANDLING AND STORAGE

Handling Technical Measures and Precautions: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

United States:

Chemical Name	CAS No.	IDLH	ACGIH STEL	ACGIH TLV-TWA	OSHA Exposure Limit
Dichloromethane	75-09-2	2300 ppm IDLH		50 ppm TWA	25 ppm TWA; 125 ppm STEL (15 min. TWA)
indeno (1,2,3-c,d) pyrene	193-39-5	ND		No TLV	No data available.

Personal Protection:

Engineering Measures: Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection: Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Eye Protection: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin Protection: Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Medical Conditions Aggravated By Exposure: Eye disease Skin disease including eczema and sensitization Respiratory disease including asthma and bronchitis

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance, color: Colorless
Odor: Strong
Physical State: No data available.

pH:	No data available
Vapor Density:	2.93 (air = 1)
Melting Point:	-96.7 °C
Flash Point:	No data available.
Upper Flammable/Explosive Limit, % in air:	No data available.
Lower Flammable/Explosive Limit, % in air:	No data available.
Autoignition Temperature:	556 deg C
Decomposition Temperature:	No data available.
Specific Gravity:	1.3254 - 1.3258 g/cm ³ at 20 °C
Evaporation Rate:	No data available.
Odor Threshold:	ND
Solubility:	Moderate; 50-99%
Partition Coefficient: n-octanol in water:	No data available.
VOC % by weight:	0.00
Molecular Weight:	No data available.

10. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	No data available. Contamination High temperatures
Materials to Avoid / Chemical Incompatibility:	Strong oxidizing agents Caustics (bases)
Hazardous Decomposition Products:	Carbon dioxide Carbon monoxide

11. TOXICOLOGICAL INFORMATION

Routes of Entry:	Inhalation Absorption Ingestion Skin contact Eye contact
Target Organs Potentially Affected By Exposure:	Skin, Cardiovascular System, Eyes, Liver
Chemical Interactions That Change Toxicity:	None Known

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Irritation:	Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.
Inhalation Toxicity:	Harmful! Can cause systemic damage (see "Target Organs") Inhalation may cause severe central nervous system depression (including unconsciousness).
Skin Contact:	Contact causes severe skin irritation and possible burns.
Skin Absorption:	Harmful if absorbed through the skin. May cause severe irritation and systemic damage.
Eye Contact:	Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.
Ingestion Irritation:	Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.
Ingestion Toxicity:	Harmful if swallowed. May cause systemic poisoning.

Long-Term (Chronic) Health Effects:

Carcinogenicity:	Contains a probable or known human carcinogen.
Reproductive and Developmental Toxicity:	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Inhalation:	Upon prolonged and/or repeated exposure, can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache. Harmful! Can cause systemic damage upon prolonged and/or repeated exposure (see "Target Organs")
Skin Absorption:	Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause severe irritation and systemic damage

Component Toxicological Data:

NIOSH:

Chemical Name	CAS No.	LD50/LC50
Methane, dichloro-	75-09-2	Oral LD50 Rat >2000 mg/kg

Component Carcinogenic Data:

OSHA:

Chemical Name	CAS No.	
Methylene chloride	75-09-2	25 ppm TWA (8 hr.); 125 ppm STEL (15 min.); 12.5 ppm Action Level (see 29 CFR 1910.1051); effective date for respiratory

protection for certain employers to achieve the 8-hour TWA PEL is August 31, 1998; the start up date to install engineering controls is December 10, 1998.; (OSHA - 29 CFR 1910 Specifically Regulate Present

Indeno[1,2,3-cd]pyrene 193-39-5

ACGIH:

Chemical Name Dichloromethane	CAS No. 75-09-2	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
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NIOSH:

Chemical Name Methylene chloride	CAS No. 75-09-2	potential occupational carcinogen
--	---------------------------	-----------------------------------

NTP:

Chemical Name No data available.	CAS No.
--	----------------

IARC:

Chemical Name No data.	CAS No.	Group No. Group 1
No data.		Group 2A
Dichloromethane	75-09-2	Group 2B
Indeno(1,2,3-cd)pyrene	193-39-5	Group 2B

12. ECOLOGICAL INFORMATION

Overview:	Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.Keep out of waterways.
Mobility:	No data
Persistence:	No data
Bioaccumulation:	No data
Degradability:	No data
Ecological Toxicity Data:	No data available.

13. DISPOSAL CONSIDERATIONS

Waste Description of Spent Product:	Spent or discarded material is a hazardous waste.
Disposal Methods:	Incinerate spent or discarded material a permitted hazardous waste facility.
Waste Disposal of Packaging:	Comply with all Local, State, Federal, and Provincial Environmental Regulations.

14. TRANSPORTATION INFORMATION

United States:	
DOT Proper Shipping Name:	Dichloromethane
UN Number:	UN1593
Hazard Class:	6.1
Packing Group:	III

International:	
IATA Proper Shipping Name:	Dichloromethane
UN Number:	UN1593
Hazard Class:	6.1
Packing Group:	III

Marine Pollutant: No

15. REGULATORY INFORMATION

United States:					
Chemical Name	CAS#	CERCLA	SARA 313	SARA EHS 313	TSCA
Dichloromethane	75-09-2	X	X	-	X
indeno (1,2,3-c,d) pyrene	193-39-5	X	X	-	X

The following chemicals are listed on CA Prop 65:

Chemical Name	CAS #	Regulation
----------------------	--------------	-------------------

Dichloromethane	75-09-2	Prop 65 Cancer
Dichloromethane (Methylene chloride)		
Indeno [1,2,3-cd]pyrene	193-39-5	Prop 65 Cancer

State Right To Know Listing:

Chemical Name	CAS#	New Jersey	Massachusetts	Pennsylvania	California
Dichloromethane	75-09-2	X	X	X	X
indeno (1,2,3-c,d) pyrene	193-39-5	X	X	X	X

16. OTHER INFORMATION

Prior Version Date: 05/27/11

Disclaimer: Restek Corporation provides the descriptions, data and information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. It is provided for your guidance only. Because many factors may affect processing or application/use, Restek Corporation recommends you perform an assessment to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding products described, data or information set forth. In no case shall the descriptions, information, or data provided be considered a part of our terms and conditions of sale. Further, the descriptions, data and information furnished hereunder are given gratis. No obligation or liability for the description, data and information given are assumed. All such being given and accepted at your risk.



Fisher Scientific

Part of Thermo Fisher Scientific

SAFETY DATA SHEET

Revision Date 10-Feb-2015

Revision Number 1

1. Identification

Product Name Dibenz[a,h]anthracene, 99% (UV-Vis)

Cat No. : AC406430010; AC406432500

Synonyms 1,2:5,6-Dibenz(a)anthracene.

Recommended Use Laboratory chemicals.

Uses advised against No Information available

Details of the supplier of the safety data sheet

Company
Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410
Tel: (201) 796-7100

Entity / Business Name
Acros Organics
One Reagent Lane
Fair Lawn, NJ 07410

Emergency Telephone Number
For information **US** call: 001-800-ACROS-01
/ **Europe** call: +32 14 57 52 11
Emergency Number **US**:001-201-796-7100 /
Europe: +32 14 57 52 99
CHEMTREC Tel. No.**US**:001-800-424-9300 /
Europe:001-703-527-3887

2. Hazard(s) identification

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Carcinogenicity

Category 1B

Label Elements

Signal Word

Danger

Hazard Statements

May cause cancer



Precautionary Statements

Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Response

IF exposed or concerned: Get medical attention/advice

Storage

Store locked up

Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC)

Very toxic to aquatic life with long lasting effects

3. Composition / information on ingredients

Component	CAS-No	Weight %
Dibenzo(a,h)anthracene	53-70-3	99

4. First-aid measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes.
Inhalation	Move to fresh air.
Ingestion	Do not induce vomiting.
Most important symptoms/effects Notes to Physician	No information available. Treat symptomatically

5. Fire-fighting measures

Unsuitable Extinguishing Media	No information available
Flash Point Method -	No information available
Autoignition Temperature	No information available
Explosion Limits	
Upper	No data available
Lower	No data available
Sensitivity to Mechanical Impact	No information available
Sensitivity to Static Discharge	No information available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition.

Hazardous Combustion Products

None known

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA

Health	Flammability	Instability	Physical hazards
1	1	0	N/A

6. Accidental release measures

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment.
Environmental Precautions	See Section 12 for additional ecological information. Avoid release to the environment.

Collect spillage.

Methods for Containment and Clean Up No information available.

Up

7. Handling and storage

Handling

Ensure adequate ventilation.

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls / personal protection

Exposure Guidelines

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Eye/face Protection

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure.

Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Physical State	Solid
Appearance	Off-white
Odor	No information available
Odor Threshold	No information available
pH	
Melting Point/Range	265 °C
Boiling Point/Range	
Flash Point	
Evaporation Rate	No information available
Flammability (solid,gas)	No information available
Flammability or explosive limits	
Upper	No data available
Lower	No data available
Vapor Pressure	No information available
Vapor Density	No information available
Relative Density	No information available
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temperature	No information available
Decomposition Temperature	No information available
Viscosity	No information available
Molecular Formula	C ₂₂ H ₁₄
Molecular Weight	278.34

10. Stability and reactivity

Reactive Hazard	None known, based on information available
Stability	Stable under normal conditions.
Conditions to Avoid	Incompatible products.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	None under normal use conditions
Hazardous Polymerization	Hazardous polymerization does not occur.
Hazardous Reactions	None under normal processing.

11. Toxicological information

Acute Toxicity

Component Information	
Toxicologically Synergistic Products	No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation	No information available
Sensitization	No information available
Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
Dibenzo(a,h)anthracene	53-70-3	Group 2A	Reasonably Anticipated	Not listed	X	Not listed

Mutagenic Effects	No information available
Reproductive Effects	No information available.
Developmental Effects	No information available.
Teratogenicity	No information available.
STOT - single exposure	None known
STOT - repeated exposure	None known
Aspiration hazard	No information available
Symptoms / effects, both acute and delayed	No information available
Endocrine Disruptor Information	No information available
Other Adverse Effects	The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity

Do not empty into drains.

Persistence and Degradability	No information available
Bioaccumulation/ Accumulation	No information available.
Mobility	No information available.

Component	log Pow
Dibenzo(a,h)anthracene	6.5

13. Disposal considerations

Waste Disposal Methods Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

Component	RCRA - U Series Wastes	RCRA - P Series Wastes
Dibenzo(a,h)anthracene - 53-70-3	U063	-

14. Transport information

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

International Inventories

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
Dibenzo(a,h)anthracene	X	-	X	200-181-8	-		-	-	-	X	-

Legend:

X - Listed

E - Indicates a substance that is the subject of a Section 5(e) Consent order under TSCA.

F - Indicates a substance that is the subject of a Section 5(f) Rule under TSCA.

N - Indicates a polymeric substance containing no free-radical initiator in its inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

P - Indicates a commenced PMN substance

R - Indicates a substance that is the subject of a Section 6 risk management rule under TSCA.

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

U.S. Federal Regulations

TSCA 12(b) Not applicable

SARA 313

Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Dibenzo(a,h)anthracene	53-70-3	99	0.1

SARA 311/312 Hazardous Categorization

Acute Health Hazard	No
Chronic Health Hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Component	CWA - Hazardous Substances	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants
Dibenzo(a,h)anthracene	-	-	X	X

Clean Air Act Not applicable

OSHA Occupational Safety and Health Administration
Not applicable

CERCLA
Not applicable

Component	Hazardous Substances RQs	CERCLA EHS RQs
Dibenzo(a,h)anthracene	1 lb	-

California Proposition 65 This product does not contain any Proposition 65 chemicals

Component	CAS-No	California Prop. 65	Prop 65 NSRL	Category
Dibenzo(a,h)anthracene	53-70-3	Carcinogen	0.2 µg/day	Carcinogen

State Right-to-Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Dibenzo(a,h)anthracene	X	X	X	X	X

U.S. Department of Transportation

Reportable Quantity (RQ): N
DOT Marine Pollutant N
DOT Severe Marine Pollutant N

U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

Other International Regulations

Mexico - Grade No information available

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

WHMIS Hazard Class D2A Very toxic materials



16. Other information

Prepared By Regulatory Affairs
Thermo Fisher Scientific
Email: EMSDS.RA@thermofisher.com

Revision Date 10-Feb-2015

Print Date 10-Feb-2015

Revision Summary This document has been updated to comply with the US OSHA HazCom 2012 Standard replacing the current legislation under 29 CFR 1910.1200 to align with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of SDS



Search the Pocket Guide

Enter search terms separated by spaces.

DDT

Synonyms & Trade Names p,p'-DDT; Dichlorodiphenyltrichloroethane; 1,1,1-Trichloro-2,2-bis(p-chlorophenyl)ethane

CAS No. 50-29-3

RTECS No.
KJ3325000 ([/niosh-rtecs/KJ32BC48.html](http://www.niosh-rtecs.com/KJ32BC48.html))

DOT ID & Guide 2761 151 [☞](#)
(<http://www.wapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=151>)

Formula (C₆H₄Cl)₂CHCCl₃

Conversion

IDLH Ca [500 mg/m³]
See: [50293 \(/niosh/iddh/50293.html\)](http://www.niosh.gov/iddh/50293.html)

Exposure Limits

NIOSH REL : Ca TWA 0.5 mg/m³ [See Appendix A \(nengapdx.html\)](#)

OSHA PEL : TWA 1 mg/m³ [skin]

Measurement Methods

NIOSH S274 (II-3)
See: [NMAM \(/niosh/docs/2003-154/\)](http://www.niosh.gov/docs/2003-154/) or [OSHA Methods ☞](#)
(<http://www.osha.gov/dts/sltc/methods/index.html>)

Physical Description Colorless crystals or off-white powder with a slight, aromatic odor. [pesticide]

MW:
354.5

BP: 230°F
(Decomposes)

MLT:
227°F

Sol:
Insoluble

VP: 0.0000002 mmHg

IP: ?

Sp.Gr:
0.99

Fl.P: 162-171°F

UEL: ?

LEL: ?

Combustible Solid

Incompatibilities & Reactivities Strong oxidizers, alkalis

Exposure Routes inhalation, skin absorption, ingestion, skin and/or eye contact

Symptoms irritation eyes, skin; paresthesia tongue, lips, face; tremor; anxiety, dizziness, confusion, malaise (vague feeling of discomfort), headache, lassitude (weakness, exhaustion); convulsions; paresis hands; vomiting; [potential occupational carcinogen]

Target Organs Eyes, skin, central nervous system, kidneys, liver, peripheral nervous system

Cancer Site [in animals: liver, lung & lymphatic tumors]

Personal Protection/Sanitation (See [protection codes \(protect.html\)](#))

Skin: Prevent skin contact

First Aid (See [procedures \(firstaid.html\)](#))

Eye: Irrigate immediately

Skin: Soap wash promptly

Eyes: Prevent eye contact
Wash skin: When contaminated/Daily
Remove: When wet or contaminated
Change: Daily
Provide: Eyewash, Quick drench

Breathing: Respiratory support
Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.

[Click here \(pgintrod.html#nrp\)](#) for information on selection of N, R, or P filters.

Any appropriate escape-type, self-contained breathing apparatus

[Important additional information about respirator selection \(pgintrod.html#mustread\)](#)

See also: [INTRODUCTION \(/niosh/npg/pgintrod.html\)](#) See ICSC CARD: [0034 \(/niosh/ipcsneng/neng0034.html\)](#) See MEDICAL TESTS: [0065 \(/niosh/docs/2005-110/nmed0065.html\)](#)

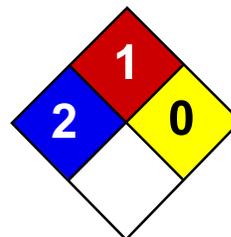
Page last reviewed: April 4, 2011

Page last updated: November 18, 2010

Content source: [National Institute for Occupational Safety and Health \(NIOSH\)](#) Education and Information Division

Centers for Disease Control and Prevention 1600 Clifton Rd. Atlanta, GA 30333,
USA
800-CDC-INFO (800-232-4636) TTY: (888) 232-6348, 24 Hours/Every Day -
cdcinfo@cdc.gov





Health	2
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet Copper MSDS

Section 1: Chemical Product and Company Identification

Product Name: Copper

Catalog Codes: SLC4939, SLC2152, SLC3943, SLC1150, SLC2941, SLC4729, SLC1936, SLC3727, SLC5515

CAS#: 7440-50-8

RTECS: GL5325000

TSCA: TSCA 8(b) inventory: Copper

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: Cu

Contact Information:

Sciencelab.com, Inc.

14025 Smith Rd.

Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Copper	7440-50-8	100

Toxicological Data on Ingredients: Copper LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:

Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant).

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact: Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention.

Skin Contact:

After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation: Not available.

Ingestion:

Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.

Storage:

Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8: Exposure Controls/Personal Protection**Engineering Controls:**

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:

Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

TWA: 1 (mg/m³) from ACGIH [1990] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 63.54 g/mole

Color: Not available.

pH (1% soln/water): Not applicable.

Boiling Point: 2595°C (4703°F)

Melting Point: 1083°C (1981.4°F)

Critical Temperature: Not available.

Specific Gravity: 8.94 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans: The substance is toxic to lungs, mucous membranes.

Other Toxic Effects on Humans:

Very hazardous in case of ingestion. Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Human: passes through the placenta, excreted in maternal milk.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:

Pennsylvania RTK: Copper Massachusetts RTK: Copper TSCA 8(b) inventory: Copper CERCLA: Hazardous substances.: Copper

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC): R36- Irritating to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Enter search terms separated by spaces.

Coal tar pitch volatiles

Synonyms & Trade Names Synonyms vary depending upon the specific compound (e.g., pyrene, phenanthrene, acridine, chrysene, anthracene & benzo(a)pyrene). [Note: NIOSH considers coal tar, coal tar pitch, and creosote to be coal tar products.]

CAS No. 65996-93-2	RTECS No. GF8655000 (/niosh-rtecs/GF841098.html)	DOT ID & Guide 2713 153 ☒ (http://wwwapps.tc.gc.ca/saf-sec-sur/3/erg-gmu/erg/guidepage.aspx?guide=153) (acridine)	
	Conversion	IDLH Ca [80 mg/m ³] See: 65996932 (/niosh/idlh/65996932.html)	
Exposure Limits NIOSH REL : Ca TWA 0.1 mg/m ³ (cyclohexane-extractable fraction) See Appendix A (nengapdx.html) See Appendix C (nengapdx.html) OSHA PEL : TWA 0.2 mg/m ³ (benzene-soluble fraction) [1910.1002] See Appendix C (nengapdx.html)		Measurement Methods OSHA 58 ☒ http://www.osha.gov/dts/sltc/methods/organic/org058/org058.html See: NMAM (/niosh/docs/2003-154/) or OSHA Methods ☒ http://www.osha.gov/dts/sltc/methods/index.html	
Physical Description Black or dark-brown amorphous residue.			
Properties vary depending upon the specific compound.			
Combustible Solids			
Incompatibilities & Reactivities Strong oxidizers			
Exposure Routes inhalation, skin and/or eye contact			
Symptoms dermatitis, bronchitis, [potential occupational carcinogen]			
Target Organs respiratory system, skin, bladder, kidneys			
Cancer Site [lung, kidney & skin cancer]			

Personal Protection/Sanitation (See [protection codes \(protect.html\)](#))

Skin: Prevent skin contact

Eyes: Prevent eye contact

Wash skin: Daily

Remove: No recommendation

Change: Daily

First Aid (See [procedures \(firstaid.html\)](#))

Eye: Irrigate immediately

Skin: Soap wash immediately

Breathing: Respiratory support

Swallow: Medical attention immediately

Respirator Recommendations

NIOSH

At concentrations above the NIOSH REL, or where there is no REL, at any detectable concentration:

(APF = 10,000) Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode

(APF = 10,000) Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained positive-pressure breathing apparatus

Escape:

(APF = 50) Any air-purifying, full-facepiece respirator (gas mask) with a chin-style, front- or back-mounted organic vapor canister having an N100, R100, or P100 filter.

[Click here \(pgintrod.html#nrp\)](#) for information on selection of N, R, or P filters.

Any appropriate escape-type, self-contained breathing apparatus

[Important additional information about respirator selection \(pgintrod.html#mustread\)](#)

See also: [INTRODUCTION \(/niosh/npg/pgintrod.html\)](#) See ICSC CARD: [1415](#)

[\(/niosh/ipcsneng/neng1415.html\)](#) See MEDICAL TESTS: [0054 \(/niosh/docs/2005-110/nmed0054.html\)](#)

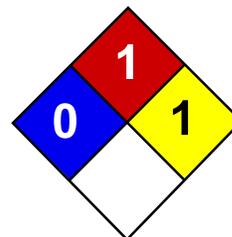
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800-CDC-INFO (800-232-4636) TTY: (888) 232-6348, 24 Hours/Every Day -
cdcinfo@cdc.gov





Health	1
Fire	1
Reactivity	1
Personal Protection	E

Material Safety Data Sheet

Zinc Metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Zinc Metal

Catalog Codes: SLZ1054, SLZ1159, SLZ1267, SLZ1099, SLZ1204

CAS#: 7440-66-6

RTECS: ZG8600000

TSCA: TSCA 8(b) inventory: Zinc Metal

CI#: Not applicable.

Synonym: Zinc Metal Sheets; Zinc Metal Shot; Zinc Metal Strips

Chemical Name: Zinc Metal

Chemical Formula: Zn

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**

International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Zinc Metal	7440-66-6	100

Toxicological Data on Ingredients: Zinc Metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:

Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances:

Slightly flammable to flammable in presence of open flames and sparks, of heat, of oxidizing materials, of acids, of alkalis, of moisture. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:

Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:

Zinc + NaOH causes ignition. Oxidation of zinc by potassium proceeds with incandescence. Residues from zinc dust /acetic acid reduction operations may ignite after long delay if discarded into waste bins with paper. Incandescent reaction when Zinc and Arsenic or Tellurium, or Selenium are combined. When hydrazine mononitrate is heated in contact with zinc, a flaming decomposition occurs at temperatures a little above its melting point. Contact with acids and alkali hydroxides (sodium hydroxide, potassium hydroxide, calcium hydroxide, etc.) results in evolution of hydrogen with sufficient heat of reaction to ignite the hydrogen gas. Zinc foil ignites if traces of moisture are present. It is water reactive and produces flammable gases on contact with water. It may ignite on contact with water or moist air.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:

Flammable solid that, in contact with water, emits flammable gases. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, alkalis, moisture.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep from any possible contact with water. Do not allow water to get into container because of violent reaction.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid. Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 65.39 g/mole

Color: Bluish-grey

pH (1% soln/water): Not applicable.

Boiling Point: 907°C (1664.6°F)

Melting Point: 419°C (786.2°F)

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials, moisture

Incompatibility with various substances:

Reactive with oxidizing agents, acids, alkalis. Slightly reactive to reactive with moisture. The product may react violently with water to emit flammable but non toxic gases.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Incompatible with acids, halogenated hydrocarbons, NH_4NO_3 , barium oxide, $\text{Ba}(\text{NO}_3)_2$, Cadmium, CS_2 , chlorates, Cl_2 , CrO_3 , F_2 , Hydroxylamine, $\text{Pb}(\text{N}_3)_2$, MnCl_2 , HNO_3 , performic acid, KClO_3 , KNO_3 , N_2O_2 , Selenium, NaClO_3 , Na_2O_2 , Sulfur, Te, water, $(\text{NH}_4)_2\text{S}$, As_2O_3 , CS_2 , CaCl_2 , chlorinated rubber, catalytic metals, halocarbons, o-nitroanisole, nitrobenzene, nonmetals, oxidants, paint primer base, pentacarbonoyliron, transition metal halides, seleninyl bromide, HCl , H_2SO_4 , $(\text{Mg} + \text{Ba}(\text{NO}_3)_2 + \text{BaO}_2)$, (ethyl acetoacetate +tribromoneopentyl alcohol. Contact with Alkali Hydroxides(Sodium Hydroxide, Potassium Hydroxide, Calcium Hydroxide, etc) results in evolution of hydrogen. Ammonium nitrate + zinc + water causes a violent reaction with evolution of steam and zinc oxide. May react with water.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:

LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects (on Humans): Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: May cause skin irritation. Dermal exposure to zinc may produce leg pains, fatigue, anorexia and weight loss. Eyes: May cause eye irritation. Ingestion: May be harmful if swallowed. May cause digestive tract irritation with tightness in throat, nausea, vomiting, diarrhea, loss of appetite, malaise, abdominal pain. fever, and chills. May affect behavior/central nervous system and autonomic nervous system with ataxia, lethargy, staggering gait, mild derrangement in cerebellar function, lightheadness, dizziness, irritability, muscular stiffness, and pain. May also affect blood. Inhalation: Inhalation of zinc dust or fumes may cause respiratory tract and mucous membrane irritation with cough and chest pain. It can also cause "metal fume fever", a flu-like condition characterized appearance of chills, headached fever, maliase, fatigue, sweating, extreme thirst, aches in the legs and chest, and difficulty in breathing. A sweet taste may also be be present in metal fume fever, as well as a dry throat, aches, nausea, and vomiting, and pale grey cyanosis. The toxicological properties of this substance have not been fully investisgated.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:

New York release reporting list: Zinc Metal Rhode Island RTK hazardous substances: Zinc Metal Pennsylvania RTK: Zinc Metal Florida: Zinc Metal Michigan critical material: Zinc Metal Massachusetts RTK: Zinc Metal New Jersey: Zinc Metal California Director's List of Hazardous Substances: Zinc Metal TSCA 8(b) inventory: Zinc Metal TSCA 12(b) one time export: Zinc Metal SARA 313 toxic chemical notification and release reporting: Zinc Metal CERCLA: Hazardous substances.: Zinc Metal: 1000 lbs. (453.6 kg)

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not Available

DSCL (EEC):

R15- Contact with water liberates extremely flammable gases. R17- Spontaneously flammable in air. S7/8- Keep container tightly closed and dry.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Phase II Work Plan (Short Form)

For

1815 West Farms Road

Bronx, New York

Block 3015, Lot(s) 62, 87, 89

OER Project Number 15EHAN561X

E-Designation E-277

CEQR Number 10DCP017X

Crotona Parkeast/West Farms

Prepared for:

West Farms Equities

1815 West Farms Road

Bronx, New York

Sabah@walison.com

Prepared by:

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17 Dupont Street

Plainview NY

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Introduction

This Phase II Investigation Work Plan has been developed for the above referenced site. The site is located within the Crotona Parkeast/West Farms section of the Bronx. The following work scope has been developed in response to Phase I ESA findings and in response to the proposed development project.

Site Location, Current Use, and Proposed Development Plan

The Site is located in the Crotona Parkeast/West Farms section of the Bronx and is identified as Block 3015 and Lot(s) 62, 87 & 89. Currently, the Site is used for an office and construction storage. The site contains a house and multiple storage sheds. The site has a split elevation with a lower side along West Farms Road and a higher side at the rear of the Property along Boone Avenue. The elevation change is approximately 15 feet. The development project consists of a new residential community. The new development is proposed to include a 78 bed community development, parking area and a recreational area. The maximum depth of soil excavation for development purposes will be five feet below grade in the area of the building footprint. There will be two elevators centrally located in the building that will potentially extend into the shallow bedrock which ranges across the property from grade to various depths. The water table is expected to be greater than 20 feet below grade surface (bgs) within the bedrock. Layout of the proposed site development is presented in Appendix A.

Phase I ESA Summary

The on-site and primary off-site recognized environmental conditions (RECs) identified in the Phase I ESA are summarized below.

- The storage of “auto junk” on a portion of the property could cause the discharge of various fluids which could lead to the contamination of the subject property.
- The use of the property (and adjacent property) as an auto body shop could have caused contamination of the subject property.
- The subject property has multiple “E” designations, one of which is for hazardous materials which requires following the Phase I Environmental Site Assessment (ESA) and Phase II Site Investigation (SI) protocol and appropriate remediation if necessary.
- Vapor encroachment issues could not be ruled out.

The Phase I ESA is included in Attachment B.

Phase II Investigation Work Scope

Geophysical Survey

A geophysical survey will not be performed at the site.

Soil, Groundwater and Soil Vapor Summary

An investigation of soil, soil vapor and groundwater is being performed to properly characterize the site for potential environmental impacts from historic on-site/off-site uses, operations, etc. The proposed sampling event will address both RECs and historic fill, as well as to provide general horizontal/vertical characterization across the site for development purposes. The sampling procedures of this investigation will be performed in accordance with the NYSDEC Technical Guidance for Site Investigation and Remediation DER-10.

Fifteen test borings will be completed at the site. Please see attached site plan depicting sample point locations, where soil, groundwater, and soil vapor samples will be collected (Figure 1). At a minimum, a total

of twenty soil samples will be collected from the ten test borings (7 soil borings and 3 groundwater monitoring wells). A minimum of three groundwater samples will be collected. If bedrock is encountered above the groundwater table; samples will not be collected at this time. In addition, a total of five soil vapor/sub-slab samples will be collected.

The depth of groundwater is expected to be encountered greater than 20 feet bgs and general groundwater flow direction is expected to be east towards the Bronx River. Each sample point location at the site will be accurately measured to fixed benchmarks (i.e., select properly lines, adjacent structures, etc.).

Soil Sampling

A QEP will screen the soil samples during borehole advancement for organic vapors with a photo-ionization detector (PID) and evaluated for visual and olfactory impacts prior to collecting environmental samples. All field work will be recorded in a field log. Geoprobe drilling equipment will be used and if necessary, more advanced drilling technology will be used to complete the site investigation. At a minimum, two soil samples will be collected from each test borings (for a total of twenty soil samples) for laboratory analysis. A surface soil sample (from the 0-2 feet bgs interval) and subsurface soil sample at 6-7 feet in the area of the proposed building and 3-4 feet in the area where open spaces are proposed (from the two (2) foot interval beneath the proposed maximum excavation depth). Discrete (grab) samples will be taken from the aforementioned sampling intervals. The subsurface soil samples may also serve as in-situ post-excavation soil samples for the remedial plan. A third soil sample will be collected from each or several test boring(s) if 1) elevated PID readings and/or visual and olfactory observations are noted during borehole advancement and/or 2) field observations identify an upper fill layer underlain by native material the additional soil sample from the upper zone of the native layer will help delineate the vertical migration of impacts (if any), as well as determine a more detailed remedy and potentially provide a cost savings for disposal options.

Monitoring Well Installation and Groundwater Sampling

Three 2-inch-diameter temporary groundwater monitoring wells will be installed. Representative groundwater samples will be collected using low-flow sampling techniques. Properly sized screen and silica sand pack will be used for noted site conditions. A representative groundwater sample will be collected from each well with a peristaltic pump and dedicated tubing. Sampling will be conducted in accordance with NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010, and Sampling Guidelines and Protocols, dated March 1991. Groundwater wells will be gauged with a water level meter to record a depth to groundwater reading (1/100 foot), and if necessary, an interface meter to determine the thickness of LNAPL or DNAPL. The well casings will be surveyed by a trained QEP and/or NYS licensed surveyor to facilitate preparation of a groundwater contour map and determine the direction of groundwater flow.

Soil Vapor Sampling

Samples will be collected in accordance with the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH October 2006). Conditions in the field may require adjustment of sampling locations. Groundwater is expected to be encountered at a depth greater than 20 feet.

Five soil vapor samples will be collected. Soil vapor implants will be set at a depth of approximately five feet. The soil vapor probe will be installed beneath the proposed slab. The vapor implants will be installed with the Geoprobe direct push method. Sampling will occur for the duration of two hours.

Samples will be collected in appropriate sized Summa canisters that have been certified clean by the laboratory and samples will be analyzed by using USEPA Method TO-15. Flow rate for both purging and

sampling will not exceed 0.2 L/min. 24-hours following soil vapor probe installation, one to three implant volumes shall be purged prior to the collection of any soil-gas samples. A sample log sheet will be maintained summarizing sample identification, date and time of sample collection, sampling depth, identity of samplers, sampling methods and devices, soil vapor purge volumes, volume of the soil vapor extracted, vacuum of canisters before and after the samples are collected, apparent moisture content of the sampling zone, and chain of custody protocols.

As part of the vapor intrusion evaluation, a tracer gas will be used in accordance with NYSDOH protocols to serve as a quality assurance/quality control (QA/QC) device to verify the integrity of the soil vapor probe seal. A container (box, plastic pail, etc.) will serve to keep the tracer gas in contact with the probe during testing. A portable monitoring device will be used to analyze a sample of soil vapor for the tracer gas prior to sampling. If the tracer sample results show a significant presence of the tracer, the probe seals will be adjusted to prevent infiltration. At the conclusion of the sampling round, tracer monitoring will be performed a second time to confirm the integrity of the probe seals.

Sample Analysis

Soil, groundwater, and soil vapor samples will be submitted to a NYS Environmental Laboratory Accreditation Program (ELAP)-certified laboratory for Full analysis:

- Volatile Organic Compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Pesticides/PCBs by EPA Method 8081/8082; and
- Target Analyte List metals by EPA Method 6010 and 7471;
- Soil vapor samples will be analyzed for VOCs by using USEPA Method TO-15.

All groundwater samples will be analyzed for both filtered (dissolved) and unfiltered (total) metals.

If either LNAPL and/or DNAPL are detected, appropriate samples will be collected for characterization and “finger print analysis” and required regulatory reporting (i.e. NYSDEC spills hotline) will be performed.

Quality Assurance/Quality Control Procedures

QA/QC procedures will be used to provide performance information with regard to accuracy, precision, sensitivity, representation, completeness, and comparability associated with the sampling and analysis for this investigation. Field QA/QC procedures will be used (1) to document that samples are representative of actual conditions at the Site and (2) identify possible cross-contamination from field activities or sample transit. Laboratory QA/QC procedures and analyses will be used to demonstrate whether analytical results have been biased either by interfering compounds in the sample matrix, or by laboratory techniques that may have introduced systematic or random errors to the analytical process. QA/QC samples (field and trip blanks, duplicates, etc.) will be collected and analyzed at an ELAP-certified laboratory.

Investigation Derived Waste

Cuttings may be disposed at the site within the borehole that generated them to within 24 inches of the surface unless:

- Free product or grossly contaminated soil, are present in the cuttings;
- The borehole has penetrated an aquitard, aquiclude or other confining layer; or extends significantly into bedrock;

- Backfilling the borehole with cuttings will create a significant path for vertical movement of contaminants. Soil additives (bentonite) may be added to the cuttings to reduce permeability;
- The soil cannot fit into the borehole.

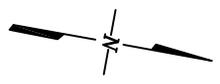
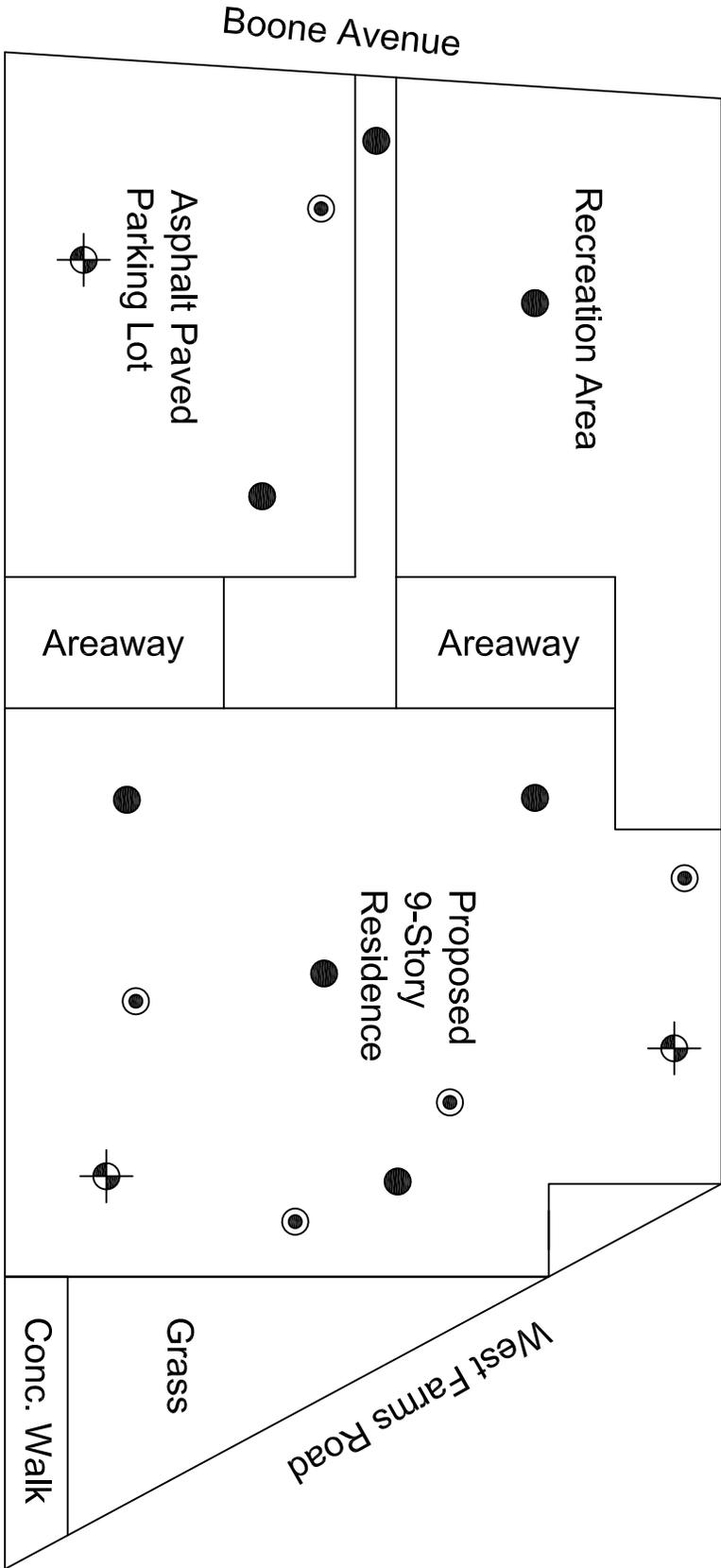
Those soil cuttings needing to be managed on-site will be containerized in properly labeled DOT approved 55-gallon drums for future off-site disposal at a permitted facility. All boreholes which require drill cuttings disposal would ultimately be filled with bentonite chips (hydrated) and asphalt/concrete capping. Disposable sampling equipment including, spoons, gloves, bags, paper towels, etc. that came in contact with environmental media will be double bagged and disposed as municipal trash in a facility trash dumpster as non-hazardous trash.

Reporting

A Phase II Investigation Report (template version) will be prepared following completion of the field activities and receipt of the laboratory data. The report will provide detailed summaries of the investigative findings. Soil, groundwater and soil vapor analytical results will be compared to the NYSDEC Part 375-6.8(a) Unrestricted Used Soil Cleanup Objectives, appropriate Part 375-6.8(b) Restricted Soil Cleanup Objectives and NYSDEC Part 703 Groundwater Quality Standards (GQS) (class GA) or Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS), and NYSDOH October 2006 Final Guidance for Evaluating Soil Vapor Intrusion Matrices. The report will include an updated sampling plan, spider diagrams, analytical data tables for all reported constituent compounds (including non-detectable concentrations) and remedial recommendations, as warranted.

Investigation HASP

An OSHA compliant Health and Safety Plan that meets all OSHA HAZWOPER requirements will be implemented during the site work to protect worker safety. The Site Safety Coordinator will ensure full compliance of the HASP in accordance with applicable health and safety laws and regulations. All field personnel involved in investigation activities will participate in training required under OSHA HAZWOPER 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. Emergency telephone numbers will be posted at the site location before any work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental); emergency procedures; PPE levels and other relevant safety topics including a highlighted route map to the nearest hospital/emergency room. Meetings will be documented in a log book or specific form. Potential on-site chemicals of concern include VOCs, SVOCs, Pesticides/PCBs, and Metals (specifically arsenic, lead, and mercury at a minimum). Information fact sheets and/or summary tables for each contaminant group are included in the HASP. A copy of this HASP will be on-site during each sampling event.



Legend

-  Combined Soil Boring and Groundwater Sample
-  Soil Boring
-  Soil Vapor Sample

Approx. Scale (ft)



<p>CA RICH CONSULTANTS, INC. Environmental Specialists Since 1982 17 Dupont Street, Plainville, New York 11803</p>	
<p>Site Plan</p>	
<p>FIGURE: 1</p>	<p>1815 West Farms Road Bronx, NY</p>
<p>DRAWING NO: 2015-1</p>	<p>DATE: 6/26/2015</p>
<p>SCALE: As Shown</p>	<p>DRAWN BY: T.R.B.</p>
<p>APPR. BY: V.W.</p>	<p>DATE: 6/26/2015</p>

APPENDIX C

Soil Boring Geologic Logs

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-1**

TOTAL DEPTH: **5 feet**

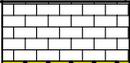
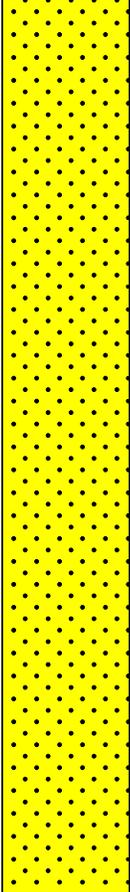
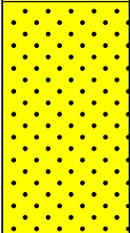
PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/10/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Concrete: Concrete floor.				
		Sand: Brown fine-grained sand with rock and brick fragments.				
		Sand: Light brown fine-grained sand.		SB-1 (0-5')		0.0
5						

NOTES: Weather: Sunny

Bedrock at 5 feet.

Page 1 of 1

CA RICH Consultants, Inc.

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17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-2**

TOTAL DEPTH: **4 feet**

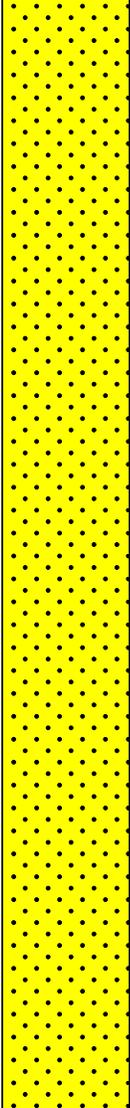
PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/10/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Concrete: Concrete floor.				
		Sand: Light brown and brown fine-grained sand.				
				SB-2 (2-4')		0.0

NOTES: Weather: Sunny

Bedrock at 4 feet.

Page 1 of 1

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT: **1815 West Farms Road**
 SITE LOCATION: **1815 West Farms Road**
 JOB NO.: **NA**
 LOGGED BY: **William Fitchett**
 PROJECT MANAGER: **Victoria Whelan**
 DATES DRILLED: **9/10/15**

DRILLING CO.: **Aarco**
 DRILLER: **Nick and Roy**
 RIG TYPE: **Geoprobe 6610 DT**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Cores**
 HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0	•••••	Sand: Light brown fine-grained sand with rock fragments.				
				SB-3 (2-4')	0.0	

FIELD BORING LOG

BOREHOLE NO.: **SB-4**

TOTAL DEPTH: **7 feet**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT: **1815 West Farms Road**
 SITE LOCATION: **1815 West Farms Road**
 JOB NO.: **NA**
 LOGGED BY: **William Fitchett**
 PROJECT MANAGER: **Victoria Whelan**
 DATES DRILLED: **9/10/15**

DRILLING CO.: **Aarco**
 DRILLER: **Nick and Roy**
 RIG TYPE: **Geoprobe 6610 DT**
 METHOD OF DRILLING: **Direct Push**
 SAMPLING METHODS: **5' Macro Cores**
 HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Light brown fine-grained sand.		SB-4 (0-3')		0.0
		Sand: Tan fine-grained sand.				
5		Sand: Dark brown fine-grained sand.				
		Sand: Light brown and gray fine-grained sand.				

NOTES: Weather: Sunny

Bedrock at 7 feet.

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17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-5**

TOTAL DEPTH: **5 feet**

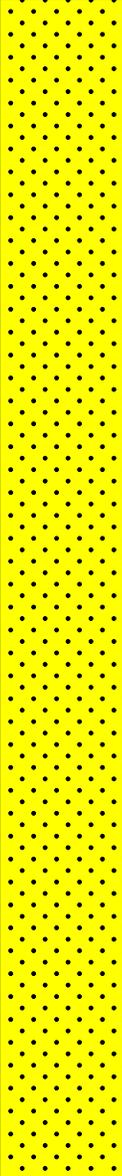
PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/10/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Dark brown fine-grained sand.		SB-5 (0-3')		0.0
5				SB-5 (3-5')		

NOTES: Weather: Sunny

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17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-6**

TOTAL DEPTH: **10 feet**

PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/10/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Tan and brown densely packed medium-grained sand. Some dark brown spots.		SB-6 (0-2')		0.0
				SB-6 (3-5')		
5		Sand: Brown fine-grained sand with rock fragments.				0.0
10						

NOTES: Weather: Sunny

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17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-7**

TOTAL DEPTH: **5 feet**

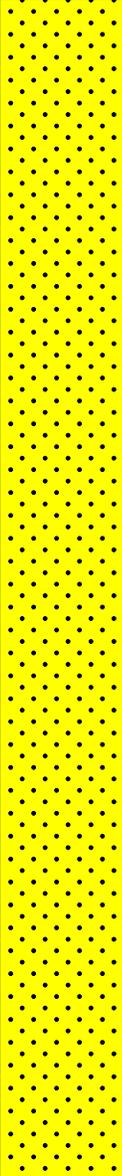
PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/10/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Dark brown to tan fine-grained sand.		SB-7 (0-3')		0.0
5				SB-7 (3-5')		

NOTES: Weather: Sunny

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17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-8**

TOTAL DEPTH: **8 feet**

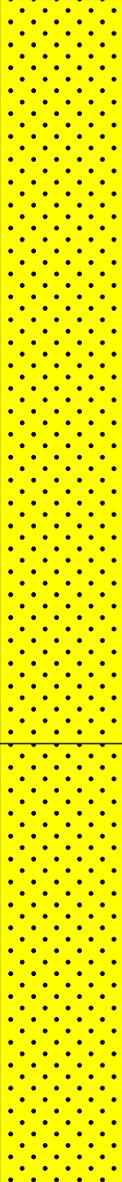
PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/10/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Dark brown to brown fine-grained sand.		SB-8 (0-2')		
						0.0
5		Sand: Dark brown fine-grained sand.		SB-8 (5-8')		
						0.0

NOTES: Weather: Sunny

Bedrock at 8 feet.

Page 1 of 1

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17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-9**

TOTAL DEPTH: **5 feet**

PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/11/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Densely packed brown fine-grained sand.		SB-9 (0-2')		0.0
5				SB-9 (3-5')		

NOTES: Weather: Sunny

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17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-10**

TOTAL DEPTH: **10 feet**

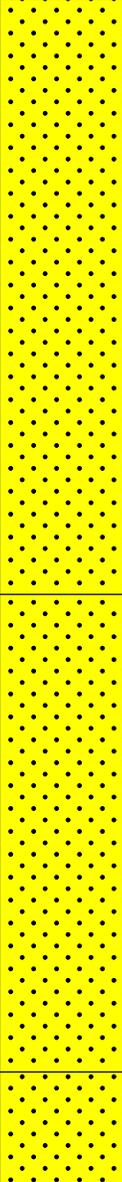
PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/11/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Light brown fine to medium grained sand.		SB-10 (0-2')		0.0
5		Sand: Light brown fine-grained sand. Some rock fragments.		SB-10 (5-7')		0.0
10		Sand: Dark brown fine-grained sand.				

NOTES: Weather: Sunny

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Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-11**

TOTAL DEPTH: **10 feet**

PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/11/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Light brown fine to medium-grained sand.		SB-11 (0-2')		0.0
5				SB-11 (5-7')		
10						

NOTES: Weather: Sunny

CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

FIELD BORING LOG

BOREHOLE NO.: **SB-12**

TOTAL DEPTH: **5 feet**

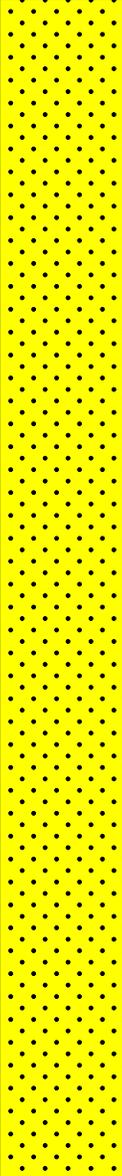
PROJECT INFORMATION

PROJECT: **1815 West Farms Road**
SITE LOCATION: **1815 West Farms Road**
JOB NO.: **NA**
LOGGED BY: **William Fitchett**
PROJECT MANAGER: **Victoria Whelan**
DATES DRILLED: **9/11/15**

DRILLING INFORMATION

DRILLING CO.: **Aarco**
DRILLER: **Nick and Roy**
RIG TYPE: **Geoprobe 6610 DT**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHODS: **5' Macro Cores**
HAMMER WT./DROP **NA**

Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Sand: Light brown fine-grained sand.		SB-12 (0-2')		0.0
5				SB-12 (3-5')		

NOTES: Weather: Sunny

APPENDIX D

Laboratory Data Deliverables for Soil Analytical Data



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

September 29, 2015

William Fitchett
CA Rich Consultants Inc.
17 Dupont Street
Plainview, NY 11803
TEL: (516) 576-8844
FAX (516) 576-0093

RE: 1815 West Farms Road, Bronx, NY

Order No.: 1509097

Dear William Fitchett:

American Analytical Laboratories, LLC. received 21 sample(s) on 9/14/2015 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
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#: 1509097

29-Sep-15

CLIENT: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1509097-001A	SB-1 (0-5')		9/10/2015 11:20:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-001B	SB-1 (0-5')		9/10/2015 11:20:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-002A	SB-2 (2-4')		9/10/2015 11:45:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-002B	SB-2 (2-4')		9/10/2015 11:45:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-003A	SB-3 (2-4')		9/10/2015 12:05:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-003B	SB-3 (2-4')		9/10/2015 12:05:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-004A	SB-4 (0-3')		9/10/2015 12:20:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-004B	SB-4 (0-3')		9/10/2015 12:20:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-005A	SB-4 (5-7')		9/10/2015 12:35:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-005B	SB-4 (5-7')		9/10/2015 12:35:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-006A	SB-5 (0-3')		9/10/2015 1:15:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-006B	SB-5 (0-3')		9/10/2015 1:15:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-007A	SB-5 (3-5')		9/10/2015 1:30:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-007B	SB-5 (3-5')		9/10/2015 1:30:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-008A	SB-6 (0-2')		9/10/2015 1:45:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-008B	SB-6 (0-2')		9/10/2015 1:45:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-009A	SB-6 (3-5')		9/10/2015 2:00:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-009B	SB-6 (3-5')		9/10/2015 2:00:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-010A	SB-7 (0-3')		9/10/2015 2:25:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-010B	SB-7 (0-3')		9/10/2015 2:25:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-011A	SB-7 (3-5')		9/10/2015 2:30:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-011B	SB-7 (3-5')		9/10/2015 2:30:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-012A	SB-8 (0-2')		9/10/2015 2:35:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-012B	SB-8 (0-2')		9/10/2015 2:35:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-013A	SB-8 (5-8')		9/10/2015 2:45:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-013B	SB-8 (5-8')		9/10/2015 2:45:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-014A	SB-9 (0-2')		9/11/2015 9:30:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-014B	SB-9 (0-2')		9/11/2015 9:30:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-015A	SB-9 (3-5')		9/11/2015 9:45:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-015B	SB-9 (3-5')		9/11/2015 9:45:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-016A	SB-10 (0-2')		9/11/2015 10:15:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-016B	SB-10 (0-2')		9/11/2015 10:15:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-017A	SB-10 (5-7')		9/11/2015 10:30:00 AM	9/14/2015 4:45:00 PM	Soil



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#: **1509097**
29-Sep-15

CLIENT: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1509097-017B	SB-10 (5-7')		9/11/2015 10:30:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-018A	SB-11 (0-2')		9/11/2015 11:10:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-018B	SB-11 (0-2')		9/11/2015 11:10:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-019A	SB-11 (5-7')		9/11/2015 11:20:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-019B	SB-11 (5-7')		9/11/2015 11:20:00 AM	9/14/2015 4:45:00 PM	Soil
1509097-020A	SB-12 (0-2')		9/11/2015 12:00:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-020B	SB-12 (0-2')		9/11/2015 12:00:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-021A	SB-12 (3-5')		9/11/2015 12:30:00 PM	9/14/2015 4:45:00 PM	Soil
1509097-021B	SB-12 (3-5')		9/11/2015 12:30:00 PM	9/14/2015 4:45:00 PM	Soil



CHAIN OF CUSTODY

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CERTIFICATIONS

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

Client Information		Project Information		Analytical Information	
Company Name	CA RICH	Project Name	1815 West Farms Road		
Address	17 Dupont Street	Street	1815 West Farms Road		
City	Plainview	City	Bronx		
State	NY	State	NY		
Zip	11803	Zip			
Project Contact	William Fitchett	Project #			
Phone #	516-576-8844	Sampler's Name / Company	William Fitchett / CA RICH		
E-mail	wfitchett@carich.com	Sampler's Signature	<i>[Signature]</i>		

LAB SAMPLE #	Sample Information		Sample Collection		Sample Containers							Comments / Remarks			
	Client Sample ID	Sample Type	Matrix Code	Date	Time	Glass / Plastic	Total # of bottles	NON	OH	HOAN	HNO ₃		H ₂ SO ₄	MeOH	OTHER
1509097-001	SB-1 (0-5)	S	S	9/10/15	1120	2/0	2	2							X
002	SB-2 (2-4)	S	S	9/10/15	1145	2/0	2	2							X
003	SB-3 (2-4)	S	S	9/10/15	1205	2/0	2	2							X
004	SB-4 (0-3)	S	S	9/10/15	1220	2/0	2	2							X
005	SB-4 (5-7)	S	S	9/10/15	1235	2/0	2	2							X
006	SB-5 (0-3)	S	S	9/10/15	1315	2/0	2	2							X
007	SB-5 (3-5)	S	S	9/10/15	1330	2/0	2	2							X
008	SB-6 (0-2)	S	S	9/10/15	1345	2/0	2	2							X
009	SB-6 (3-5)	S	S	9/10/15	1400	2/0	2	2							X
010	SB-7 (0-3)	S	S	9/10/15	1425	2/0	2	2							X
011	SB-7 (3-5)	S	S	9/10/15	1430	2/0	2	2							X
012	SB-8 (0-2)	S	S	9/10/15	1435	2/0	2	2							X

Standard	Turnaround Time (Business Days)	SAMPLE TYPE	MATRIX CODES
<input checked="" type="checkbox"/> 7-10 Business Days	<input type="checkbox"/> 3 Day RUSH	G = Grab	L = Liquid
<input type="checkbox"/> 5 Day RUSH	<input type="checkbox"/> 2 Day RUSH	C = Composite	S = Soil
<input type="checkbox"/> 4 Day RUSH	<input type="checkbox"/> 1 Day RUSH	B = Blank	O = Oil
			W = Wipe
			M = Miscellaneous

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

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY LAB (SIGNATURE)	DATE	TIME	PRINTED NAME
<i>[Signature]</i>	9/10/15		<i>[Signature]</i>	9/10/15		William J. Fitchett
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY LAB (SIGNATURE)	DATE	TIME	PRINTED NAME
<i>[Signature]</i>	9/10/15		<i>[Signature]</i>	9/10/15		William J. Fitchett

Cooler Temp: 1.2



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Sample Log-In Check List

Client Name: **CA RICH** Work Order Number: **1509097** RcptNo: **1**

Logged by:	Lori Beyer	9/14/2015 4:54:41 PM	<i>Lori Beyer</i>
Completed By:	Lori Beyer	9/14/2015 4:55:26 PM	<i>Lori Beyer</i>
Reviewed By:	Karen Kelly	9/14/2015	<i>Karen Kelly</i>

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

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:	<input type="text"/>	Date	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
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Case Narrative

WO#: 1509097
Date: 9/29/2015

CLIENT: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, 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 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 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 Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, Chlorine Demand by SM 2350 B,

Original

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Case Narrative

WO#: 1509097
Date: 9/29/2015

CLIENT: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

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.



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Definition Only

WO#: 1509097
Date: 9/29/2015

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 accuracy.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-1 (0-5')
Lab Order: 1509097	Collection Date: 9/10/2015 11:20:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-001A	

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	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,1,1-Trichloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,1,2,2-Tetrachloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,1,2-Trichloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,1-Dichloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,1-Dichloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,1-Dichloropropene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2,3-Trichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2,3-Trichloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2,4-Trichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2,4-Trimethylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2-Dibromo-3-chloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2-Dibromoethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2-Dichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2-Dichloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,2-Dichloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,3,5-Trimethylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,3-Dichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,3-dichloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,4-Dichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
1,4-Dioxane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
2,2-Dichloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
2-Butanone	ND	5.1	10	U*	µg/Kg-dry	1	9/22/2015 6:25:00 AM
2-Chloroethyl vinyl ether	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
2-Chlorotoluene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
2-Hexanone	ND	5.1	10	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
2-Propanol	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
4-Chlorotoluene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
4-Isopropyltoluene	ND	1.02	5.1	U*	µg/Kg-dry	1	9/22/2015 6:25:00 AM
4-Methyl-2-pentanone	ND	5.1	10	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Acetone	ND	5.1	10	U*	µg/Kg-dry	1	9/22/2015 6:25:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-001A

Client Sample ID: SB-1 (0-5')
Collection Date: 9/10/2015 11:20:00 PM
Matrix: SOIL

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	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Bromobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Bromochloromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Bromodichloromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Bromoform	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Bromomethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Carbon disulfide	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Carbon tetrachloride	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Chlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Chlorodifluoromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Chloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Chloroform	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Chloromethane	ND	1.02	5.1	U*	µg/Kg-dry	1	9/22/2015 6:25:00 AM
cis-1,2-Dichloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
cis-1,3-Dichloropropene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Cyclohexane	ND	2.04	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Dibromochloromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Dibromomethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Dichlorodifluoromethane	ND	1.02	5.1	U*	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Diisopropyl ether	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Ethanol	ND	10.2	20	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Ethylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Freon-114	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Hexachlorobutadiene	ND	1.02	5.1	U*	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Isopropylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
m,p-Xylene	ND	2.04	10	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Methyl Acetate	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Methyl tert-butyl ether	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Methylene chloride	23	5.1	10	B*	µg/Kg-dry	1	9/22/2015 6:25:00 AM
n-Butylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
n-Propylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Naphthalene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
o-Xylene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-001A

Client Sample ID: SB-1 (0-5')
Collection Date: 9/10/2015 11:20:00 PM
Matrix: SOIL

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	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
p-Ethyltoluene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
sec-Butylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Styrene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
t-Butyl alcohol	ND	2.55	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
tert-Butylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Tetrachloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Toluene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
trans-1,2-Dichloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
trans-1,3-Dichloropropene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Trichloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Trichlorofluoromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Vinyl acetate	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Vinyl chloride	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Acrolein	ND	12.7	25	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Acrylonitrile	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:25:00 AM
Surr: 4-Bromofluorobenzene	85.6	0	48-136		%REC	1	9/22/2015 6:25:00 AM
Surr: Dibromofluoromethane	105	0	44-154		%REC	1	9/22/2015 6:25:00 AM
Surr: Toluene-d8	102	0	58-141		%REC	1	9/22/2015 6:25:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-1 (0-5')
Lab Order: 1509097	Collection Date: 9/10/2015 11:20:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-001B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.115	0.008	0.0157		mg/Kg-dry	1	9/17/2015 9:30:40 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: JP
Aroclor 1016	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Aroclor 1221	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Aroclor 1232	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Aroclor 1242	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Aroclor 1248	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Aroclor 1254	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Aroclor 1260	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Aroclor 1262	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Aroclor 1268	ND	10.4	21	U	µg/Kg-dry	1	9/21/2015 5:54:00 PM
Surr: DCB	38.4	0	18-143		%REC	1	9/21/2015 5:54:00 PM
Surr: DCB	35.5	0	18-143		%REC	1	9/21/2015 5:54:00 PM
Surr: TCX	52.4	0	18-146		%REC	1	9/21/2015 5:54:00 PM
Surr: TCX	52.0	0	18-146		%REC	1	9/21/2015 5:54:00 PM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
4,4'-DDE	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
4,4'-DDT	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Aldrin	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
alpha-BHC	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
alpha-Chlordane	ND	6.22	10	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
beta-BHC	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Chlorobenzilate	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
DBCP	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
delta-BHC	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Dieldrin	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Endosulfan I	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Endosulfan II	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Endosulfan sulfate	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Endrin	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Endrin aldehyde	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-1 (0-5')
Lab Order: 1509097	Collection Date: 9/10/2015 11:20:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-001B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
gamma-BHC	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
gamma-Chlordane	ND	6.22	10	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Heptachlor	ND	2.07	3.1	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Heptachlor epoxide	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Hexachlorobenzene	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Hexachlorocyclopentadiene	ND	3.11	3.1	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Methoxychlor	ND	1.04	2.6	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Toxaphene	ND	13	26	U	µg/Kg-dry	1	9/18/2015 5:29:00 PM
Surr: DCB	43.1	0	16-148		%REC	1	9/18/2015 5:29:00 PM
Surr: DCB	40.2	0	16-148		%REC	1	9/18/2015 5:29:00 PM
Surr: TCX	38.4	0	19-145		%REC	1	9/18/2015 5:29:00 PM
Surr: TCX	42.0	0	19-145		%REC	1	9/18/2015 5:29:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	5.50	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	12300	1.03	4.13	D	mg/Kg-dry	10	9/16/2015 2:32:46 PM
Antimony	ND	0.21	0.517	U	mg/Kg-dry	1	9/16/2015 1:45:42 PM
Arsenic	4.44	0.21	0.517		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Barium	195	0.21	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Beryllium	ND	0.10	0.413	U	mg/Kg-dry	1	9/16/2015 1:45:42 PM
Cadmium	1.01	0.10	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Calcium	1410	0.21	0.517		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Chromium	20.1	0.10	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Cobalt	ND	0.10	0.413	U	mg/Kg-dry	1	9/16/2015 1:45:42 PM
Copper	39.8	0.10	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Iron	20000	2.07	4.13	D	mg/Kg-dry	10	9/16/2015 2:32:46 PM
Lead	268	0.21	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Magnesium	3030	0.10	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Manganese	322	0.10	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Nickel	18.8	0.10	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Potassium	1850	0.21	0.517		mg/Kg-dry	1	9/16/2015 1:45:42 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-1 (0-5')
Lab Order: 1509097	Collection Date: 9/10/2015 11:20:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-001B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	1.05	0.21	0.517		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Silver	ND	0.10	0.413	U	mg/Kg-dry	1	9/16/2015 1:45:42 PM
Sodium	150	0.21	0.517		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Thallium	ND	0.31	0.517	U	mg/Kg-dry	1	9/16/2015 1:45:42 PM
Vanadium	30.5	0.10	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
Zinc	164	0.10	0.413		mg/Kg-dry	1	9/16/2015 1:45:42 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
1,2,4-Trichlorobenzene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
1,2-Dichlorobenzene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
1,3-Dichlorobenzene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
1,4-Dichlorobenzene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2,4,5-Trichlorophenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2,4,6-Trichlorophenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2,4-Dichlorophenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2,4-Dimethylphenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2,4-Dinitrophenol	ND	52.6	530	U*	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2,4-Dinitrotoluene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2,6-Dinitrotoluene	ND	52.6	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2-Chloronaphthalene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2-Chlorophenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2-Methylnaphthalene	ND	26.3	260	Um	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2-Methylphenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2-Nitroaniline	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
2-Nitrophenol	ND	52.6	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
3+4-Methylphenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
3,3'-Dichlorobenzidine	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
3-Nitroaniline	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
4,6-Dinitro-2-methylphenol	ND	52.6	530	U*	µg/Kg-dry	1	9/18/2015 12:55:00 AM
4-Bromophenyl phenyl ether	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
4-Chloro-3-methylphenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
4-Chloroaniline	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-1 (0-5')
Lab Order: 1509097	Collection Date: 9/10/2015 11:20:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-001B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
4-Nitroaniline	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
4-Nitrophenol	ND	52.6	530	U*	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Acenaphthene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Acenaphthylene	40	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Acetophenone	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Aniline	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Anthracene	61	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Atrazine	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Azobenzene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzaldehyde	ND	52.6	530	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzidine	ND	52.6	530	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzo(a)anthracene	230	26.3	260	Jm	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzo(a)pyrene	230	26.3	160		µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzo(b)fluoranthene	240	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzo(g,h,i)perylene	170	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzo(k)fluoranthene	240	26.3	260	Jm	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzoic acid	ND	52.6	530	U*	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Benzyl alcohol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Bis(2-chloroethoxy)methane	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Bis(2-chloroethyl)ether	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Bis(2-chloroisopropyl)ether	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Bis(2-ethylhexyl)phthalate	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Butyl benzyl phthalate	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Caprolactam	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Carbazole	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Chrysene	260	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Di-n-butyl phthalate	28	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Di-n-octyl phthalate	ND	52.6	530	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Dibenzo(a,h)anthracene	48	26.3	160	Jm	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Dibenzofuran	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Diethyl phthalate	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Dimethyl phthalate	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-1 (0-5')
Lab Order:	1509097	Collection Date:	9/10/2015 11:20:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-001B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	440	26.3	260		µg/Kg-dry	1	9/18/2015 12:55:00 AM
Fluorene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Hexachlorobenzene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Hexachlorobutadiene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Hexachlorocyclopentadiene	ND	52.6	260	U*	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Hexachloroethane	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Indeno(1,2,3-c,d)pyrene	170	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Isophorone	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
N-Nitrosodi-n-propylamine	ND	26.3	160	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
N-Nitrosodimethylamine	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
N-Nitrosodiphenylamine	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Naphthalene	30	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Nitrobenzene	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Parathion	ND	52.6	530	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Pentachlorophenol	ND	52.6	530	U*	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Phenanthrene	200	26.3	260	J	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Phenol	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Pyrene	420	26.3	260		µg/Kg-dry	1	9/18/2015 12:55:00 AM
Pyridine	ND	26.3	260	U	µg/Kg-dry	1	9/18/2015 12:55:00 AM
Surr: 2,4,6-Tribromophenol	68.8	0	13-137		%REC	1	9/18/2015 12:55:00 AM
Surr: 2-Fluorobiphenyl	68.8	0	15-128	m	%REC	1	9/18/2015 12:55:00 AM
Surr: 2-Fluorophenol	66.0	0	18-120		%REC	1	9/18/2015 12:55:00 AM
Surr: 4-Terphenyl-d14	72.7	0	10-138		%REC	1	9/18/2015 12:55:00 AM
Surr: Nitrobenzene-d5	62.9	0	10-128		%REC	1	9/18/2015 12:55:00 AM
Surr: Phenol-d6	62.9	0	10-122		%REC	1	9/18/2015 12:55:00 AM



ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-2 (2-4')
Lab Order: 1509097	Collection Date: 9/10/2015 11:45:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-002A	

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	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,1,1-Trichloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,1,2,2-Tetrachloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,1,2-Trichloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,1-Dichloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,1-Dichloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,1-Dichloropropene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2,3-Trichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2,3-Trichloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2,4-Trichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2,4-Trimethylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2-Dibromo-3-chloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2-Dibromoethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2-Dichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2-Dichloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,2-Dichloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,3,5-Trimethylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,3-Dichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,3-dichloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,4-Dichlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
1,4-Dioxane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
2,2-Dichloropropane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
2-Butanone	ND	5.11	10	U*	µg/Kg-dry	1	9/22/2015 6:53:00 AM
2-Chloroethyl vinyl ether	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
2-Chlorotoluene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
2-Hexanone	ND	5.11	10	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
2-Propanol	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
4-Chlorotoluene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
4-Isopropyltoluene	ND	1.02	5.1	U*	µg/Kg-dry	1	9/22/2015 6:53:00 AM
4-Methyl-2-pentanone	ND	5.11	10	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Acetone	ND	5.11	10	U*m	µg/Kg-dry	1	9/22/2015 6:53:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-002A

Client Sample ID: SB-2 (2-4')
Collection Date: 9/10/2015 11:45:00 AM
Matrix: SOIL

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	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Bromobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Bromochloromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Bromodichloromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Bromoform	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Bromomethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Carbon disulfide	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Carbon tetrachloride	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Chlorobenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Chlorodifluoromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Chloroethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Chloroform	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Chloromethane	ND	1.02	5.1	U*	µg/Kg-dry	1	9/22/2015 6:53:00 AM
cis-1,2-Dichloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
cis-1,3-Dichloropropene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Cyclohexane	ND	2.04	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Dibromochloromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Dibromomethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Dichlorodifluoromethane	ND	1.02	5.1	U*	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Diisopropyl ether	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Ethanol	ND	10.2	20	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Ethylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Freon-114	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Hexachlorobutadiene	ND	1.02	5.1	U*	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Isopropylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
m,p-Xylene	ND	2.04	10	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Methyl Acetate	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Methyl tert-butyl ether	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Methylene chloride	19	5.11	10	B*	µg/Kg-dry	1	9/22/2015 6:53:00 AM
n-Butylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
n-Propylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Naphthalene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
o-Xylene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: SB-2 (2-4')

Lab Order: 1509097

Collection Date: 9/10/2015 11:45:00 AM

Project: 1815 West Farms Road, Bronx, NY

Matrix: SOIL

Lab ID: 1509097-002A

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	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
p-Ethyltoluene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
sec-Butylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Styrene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
t-Butyl alcohol	ND	2.56	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
tert-Butylbenzene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Tetrachloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Toluene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
trans-1,2-Dichloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
trans-1,3-Dichloropropene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Trichloroethene	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Trichlorofluoromethane	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Vinyl acetate	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Vinyl chloride	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Acrolein	ND	12.8	26	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Acrylonitrile	ND	1.02	5.1	U	µg/Kg-dry	1	9/22/2015 6:53:00 AM
Surr: 4-Bromofluorobenzene	88.2	0	48-136		%REC	1	9/22/2015 6:53:00 AM
Surr: Dibromofluoromethane	104	0	44-154		%REC	1	9/22/2015 6:53:00 AM
Surr: Toluene-d8	102	0	58-141		%REC	1	9/22/2015 6:53:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-2 (2-4')
Lab Order: 1509097	Collection Date: 9/10/2015 11:45:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-002B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.114	0.008	0.0157		mg/Kg-dry	1	9/17/2015 9:32:49 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: JP
Aroclor 1016	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Aroclor 1221	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Aroclor 1232	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Aroclor 1242	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Aroclor 1248	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Aroclor 1254	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Aroclor 1260	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Aroclor 1262	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Aroclor 1268	ND	10.3	21	U	µg/Kg-dry	1	9/21/2015 6:18:00 PM
Surr: DCB	37.7	0	18-143		%REC	1	9/21/2015 6:18:00 PM
Surr: DCB	41.2	0	18-143		%REC	1	9/21/2015 6:18:00 PM
Surr: TCX	54.1	0	18-146		%REC	1	9/21/2015 6:18:00 PM
Surr: TCX	54.8	0	18-146		%REC	1	9/21/2015 6:18:00 PM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
4,4'-DDE	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
4,4'-DDT	1.3	1.03	2.6	JP	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Aldrin	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
alpha-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
alpha-Chlordane	ND	6.17	10	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
beta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Chlorobenzilate	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
DBCP	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
delta-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Dieldrin	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Endosulfan I	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Endosulfan II	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Endosulfan sulfate	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Endrin	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Endrin aldehyde	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-2 (2-4')
Lab Order: 1509097	Collection Date: 9/10/2015 11:45:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-002B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
gamma-BHC	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
gamma-Chlordane	ND	6.17	10	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Heptachlor	ND	2.06	3.1	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Heptachlor epoxide	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Hexachlorobenzene	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Hexachlorocyclopentadiene	ND	3.09	3.1	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Methoxychlor	ND	1.03	2.6	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Toxaphene	ND	12.9	26	U	µg/Kg-dry	1	9/18/2015 5:43:00 PM
Surr: DCB	68.2	0	16-148		%REC	1	9/18/2015 5:43:00 PM
Surr: DCB	73.3	0	16-148		%REC	1	9/18/2015 5:43:00 PM
Surr: TCX	47.9	0	19-145		%REC	1	9/18/2015 5:43:00 PM
Surr: TCX	52.7	0	19-145		%REC	1	9/18/2015 5:43:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	5.19	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	12500	1.05	4.20	D	mg/Kg-dry	10	9/16/2015 2:34:48 PM
Antimony	ND	0.21	0.525	U	mg/Kg-dry	1	9/16/2015 1:47:45 PM
Arsenic	4.46	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Barium	78.2	0.21	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Beryllium	ND	0.11	0.420	U	mg/Kg-dry	1	9/16/2015 1:47:45 PM
Cadmium	0.124	0.11	0.420	J	mg/Kg-dry	1	9/16/2015 1:47:45 PM
Calcium	1660	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Chromium	20.3	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Cobalt	ND	0.11	0.420	U	mg/Kg-dry	1	9/16/2015 1:47:45 PM
Copper	23.9	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Iron	17500	2.10	4.20	D	mg/Kg-dry	10	9/16/2015 2:34:48 PM
Lead	127	0.21	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Magnesium	3050	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Manganese	287	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Nickel	15.7	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Potassium	1240	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:47:45 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-002B

Client Sample ID: SB-2 (2-4')
Collection Date: 9/10/2015 11:45:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Selenium	0.865	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Silver	ND	0.11	0.420	U	mg/Kg-dry	1	9/16/2015 1:47:45 PM
Sodium	82.5	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Thallium	ND	0.32	0.525	U	mg/Kg-dry	1	9/16/2015 1:47:45 PM
Vanadium	31.2	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
Zinc	98.6	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:47:45 PM
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
1,2,4-Trichlorobenzene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
1,2-Dichlorobenzene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
1,3-Dichlorobenzene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
1,4-Dichlorobenzene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2,4,5-Trichlorophenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2,4,6-Trichlorophenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2,4-Dichlorophenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2,4-Dimethylphenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2,4-Dinitrophenol	ND	52.5	520	U*	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2,4-Dinitrotoluene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2,6-Dinitrotoluene	ND	52.5	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2-Chloronaphthalene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2-Chlorophenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2-Methylnaphthalene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2-Methylphenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2-Nitroaniline	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
2-Nitrophenol	ND	52.5	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
3+4-Methylphenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
3,3'-Dichlorobenzidine	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
3-Nitroaniline	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
4,6-Dinitro-2-methylphenol	ND	52.5	520	U*	µg/Kg-dry	1	9/18/2015 2:28:00 AM
4-Bromophenyl phenyl ether	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
4-Chloro-3-methylphenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
4-Chloroaniline	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-2 (2-4')
Lab Order:	1509097	Collection Date:	9/10/2015 11:45:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-002B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
4-Nitroaniline	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
4-Nitrophenol	ND	52.5	520	U*	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Acenaphthene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Acenaphthylene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Acetophenone	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Aniline	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Anthracene	ND	26.2	260	Um	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Atrazine	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Azobenzene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzaldehyde	ND	52.5	520	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzidine	ND	52.5	520	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzo(a)anthracene	100	26.2	260	Jm	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzo(a)pyrene	100	26.2	160	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzo(b)fluoranthene	120	26.2	260	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzo(g,h,i)perylene	73	26.2	260	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzo(k)fluoranthene	93	26.2	260	Jm	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzoic acid	ND	52.5	520	U*	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Benzyl alcohol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Bis(2-chloroethoxy)methane	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Bis(2-chloroethyl)ether	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Bis(2-chloroisopropyl)ether	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Bis(2-ethylhexyl)phthalate	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Butyl benzyl phthalate	42	26.2	260	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Caprolactam	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Carbazole	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Chrysene	120	26.2	260	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Di-n-butyl phthalate	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Di-n-octyl phthalate	ND	52.5	520	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Dibenzo(a,h)anthracene	ND	26.2	160	Um	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Dibenzofuran	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Diethyl phthalate	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Dimethyl phthalate	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-2 (2-4')
Lab Order:	1509097	Collection Date:	9/10/2015 11:45:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-002B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	210	26.2	260	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Fluorene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Hexachlorobenzene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Hexachlorobutadiene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Hexachlorocyclopentadiene	ND	52.5	260	U*	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Hexachloroethane	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Indeno(1,2,3-c,d)pyrene	75	26.2	260	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Isophorone	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
N-Nitrosodi-n-propylamine	ND	26.2	160	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
N-Nitrosodimethylamine	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
N-Nitrosodiphenylamine	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Naphthalene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Nitrobenzene	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Parathion	ND	52.5	520	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Pentachlorophenol	ND	52.5	520	U*	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Phenanthrene	90	26.2	260	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Phenol	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Pyrene	180	26.2	260	J	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Pyridine	ND	26.2	260	U	µg/Kg-dry	1	9/18/2015 2:28:00 AM
Surr: 2,4,6-Tribromophenol	74.4	0	13-137		%REC	1	9/18/2015 2:28:00 AM
Surr: 2-Fluorobiphenyl	71.2	0	15-128		%REC	1	9/18/2015 2:28:00 AM
Surr: 2-Fluorophenol	64.6	0	18-120		%REC	1	9/18/2015 2:28:00 AM
Surr: 4-Terphenyl-d14	71.7	0	10-138		%REC	1	9/18/2015 2:28:00 AM
Surr: Nitrobenzene-d5	64.8	0	10-128		%REC	1	9/18/2015 2:28:00 AM
Surr: Phenol-d6	59.1	0	10-122		%REC	1	9/18/2015 2:28:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-3 (2-4')
Lab Order:	1509097	Collection Date:	9/10/2015 12:05:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-003A		

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,1,1-Trichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,1,2,2-Tetrachloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,1,2-Trichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,1-Dichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,1-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,1-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2,3-Trichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2,3-Trichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2,4-Trichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2,4-Trimethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2-Dibromo-3-chloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2-Dibromoethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2-Dichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,2-Dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,3,5-Trimethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,3-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,3-dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,4-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
1,4-Dioxane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
2,2-Dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
2-Butanone	ND	5.36	11	U*	µg/Kg-dry	1	9/24/2015 5:46:00 AM
2-Chloroethyl vinyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
2-Chlorotoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
2-Hexanone	ND	5.36	11	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
2-Propanol	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
4-Chlorotoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
4-Isopropyltoluene	ND	1.07	5.4	Um	µg/Kg-dry	1	9/24/2015 5:46:00 AM
4-Methyl-2-pentanone	ND	5.36	11	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Acetone	ND	5.36	11	U*	µg/Kg-dry	1	9/24/2015 5:46:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-3 (2-4')
Lab Order: 1509097	Collection Date: 9/10/2015 12:05:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-003A	

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Bromobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Bromochloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Bromodichloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Bromoform	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Bromomethane	ND	1.07	5.4	U*	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Carbon disulfide	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Carbon tetrachloride	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Chlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Chlorodifluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Chloroethane	ND	1.07	5.4	U*	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Chloroform	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Chloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
cis-1,2-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
cis-1,3-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Cyclohexane	ND	2.14	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Dibromochloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Dibromomethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Dichlorodifluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Diisopropyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Ethanol	ND	10.7	21	U*	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Ethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Freon-114	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Hexachlorobutadiene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Isopropylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
m,p-Xylene	ND	2.14	11	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Methyl Acetate	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Methyl tert-butyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Methylene chloride	8.7	5.36	11	BJ*	µg/Kg-dry	1	9/24/2015 5:46:00 AM
n-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
n-Propylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Naphthalene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
o-Xylene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: SB-3 (2-4')

Lab Order: 1509097

Collection Date: 9/10/2015 12:05:00 PM

Project: 1815 West Farms Road, Bronx, NY

Matrix: SOIL

Lab ID: 1509097-003A

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
p-Ethyltoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
sec-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Styrene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
t-Butyl alcohol	ND	2.68	5.4	U*	µg/Kg-dry	1	9/24/2015 5:46:00 AM
tert-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Tetrachloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Toluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
trans-1,2-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
trans-1,3-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Trichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Trichlorofluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Vinyl acetate	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Vinyl chloride	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Acrolein	ND	13.4	27	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Acrylonitrile	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 5:46:00 AM
Surr: 4-Bromofluorobenzene	84.2	0	48-136		%REC	1	9/24/2015 5:46:00 AM
Surr: Dibromofluoromethane	101	0	44-154		%REC	1	9/24/2015 5:46:00 AM
Surr: Toluene-d8	97.4	0	58-141		%REC	1	9/24/2015 5:46:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-3 (2-4')
Lab Order:	1509097	Collection Date:	9/10/2015 12:05:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.175	0.008	0.0155		mg/Kg-dry	1	9/17/2015 9:34:57 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: JP
Aroclor 1016	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Aroclor 1221	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Aroclor 1232	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Aroclor 1242	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Aroclor 1248	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Aroclor 1254	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Aroclor 1260	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Aroclor 1262	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Aroclor 1268	ND	10.6	21	U	µg/Kg-dry	1	9/21/2015 6:43:00 PM
Surr: DCB	39.7	0	18-143		%REC	1	9/21/2015 6:43:00 PM
Surr: DCB	41.9	0	18-143		%REC	1	9/21/2015 6:43:00 PM
Surr: TCX	53.5	0	18-146		%REC	1	9/21/2015 6:43:00 PM
Surr: TCX	56.2	0	18-146		%REC	1	9/21/2015 6:43:00 PM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
4,4'-DDE	10	1.06	2.7		µg/Kg-dry	1	9/18/2015 5:58:00 PM
4,4'-DDT	32	1.06	2.7		µg/Kg-dry	1	9/18/2015 5:58:00 PM
Aldrin	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
alpha-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
alpha-Chlordane	ND	6.38	11	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
beta-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Chlorobenzilate	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
DBCP	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
delta-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Dieldrin	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Endosulfan I	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Endosulfan II	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Endosulfan sulfate	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Endrin	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Endrin aldehyde	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-3 (2-4')
Lab Order: 1509097	Collection Date: 9/10/2015 12:05:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-003B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
gamma-BHC	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
gamma-Chlordane	ND	6.38	11	PU	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Heptachlor	ND	2.13	3.2	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Heptachlor epoxide	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Hexachlorobenzene	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Hexachlorocyclopentadiene	ND	3.19	3.2	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Methoxychlor	ND	1.06	2.7	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Toxaphene	ND	13.3	27	U	µg/Kg-dry	1	9/18/2015 5:58:00 PM
Surr: DCB	58.9	0	16-148		%REC	1	9/18/2015 5:58:00 PM
Surr: DCB	59.6	0	16-148		%REC	1	9/18/2015 5:58:00 PM
Surr: TCX	49.9	0	19-145		%REC	1	9/18/2015 5:58:00 PM
Surr: TCX	57.0	0	19-145		%REC	1	9/18/2015 5:58:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	5.94	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	12600	1.05	4.20	D	mg/Kg-dry	10	9/16/2015 2:36:50 PM
Antimony	ND	0.21	0.525	U	mg/Kg-dry	1	9/16/2015 1:49:47 PM
Arsenic	4.78	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Barium	145	0.21	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Beryllium	ND	0.11	0.420	U	mg/Kg-dry	1	9/16/2015 1:49:47 PM
Cadmium	0.414	0.11	0.420	J	mg/Kg-dry	1	9/16/2015 1:49:47 PM
Calcium	4010	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Chromium	19.6	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Cobalt	ND	0.11	0.420	U	mg/Kg-dry	1	9/16/2015 1:49:47 PM
Copper	32.3	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Iron	17600	2.10	4.20	D	mg/Kg-dry	10	9/16/2015 2:36:50 PM
Lead	143	0.21	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Magnesium	2720	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Manganese	320	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Nickel	15.3	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Potassium	1130	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:49:47 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-003B

Client Sample ID: SB-3 (2-4')
 Collection Date: 9/10/2015 12:05:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	1.02	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Silver	0.149	0.11	0.420	J	mg/Kg-dry	1	9/16/2015 1:49:47 PM
Sodium	124	0.21	0.525		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Thallium	ND	0.32	0.525	U	mg/Kg-dry	1	9/16/2015 1:49:47 PM
Vanadium	28.2	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
Zinc	176	0.11	0.420		mg/Kg-dry	1	9/16/2015 1:49:47 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
1,2,4-Trichlorobenzene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
1,2-Dichlorobenzene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
1,3-Dichlorobenzene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
1,4-Dichlorobenzene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2,4,5-Trichlorophenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2,4,6-Trichlorophenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2,4-Dichlorophenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2,4-Dimethylphenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2,4-Dinitrophenol	ND	52.8	530	U*	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2,4-Dinitrotoluene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2,6-Dinitrotoluene	ND	52.8	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2-Chloronaphthalene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2-Chlorophenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2-Methylnaphthalene	37	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2-Methylphenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2-Nitroaniline	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
2-Nitrophenol	ND	52.8	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
3+4-Methylphenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
3,3'-Dichlorobenzidine	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
3-Nitroaniline	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
4,6-Dinitro-2-methylphenol	ND	52.8	530	U*	µg/Kg-dry	1	9/18/2015 2:59:00 AM
4-Bromophenyl phenyl ether	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
4-Chloro-3-methylphenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
4-Chloroaniline	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-3 (2-4')
Lab Order:	1509097	Collection Date:	9/10/2015 12:05:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
4-Nitroaniline	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
4-Nitrophenol	ND	52.8	530	U*	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Acenaphthene	68	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Acenaphthylene	200	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Acetophenone	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Aniline	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Anthracene	200	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Atrazine	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Azobenzene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzaldehyde	ND	52.8	530	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzidine	ND	52.8	530	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzo(a)anthracene	860	26.4	260	m	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzo(a)pyrene	840	26.4	160		µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzo(b)fluoranthene	880	26.4	260		µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzo(g,h,i)perylene	600	26.4	260		µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzo(k)fluoranthene	820	26.4	260	m	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzoic acid	ND	52.8	530	U*	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Benzyl alcohol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Bis(2-chloroethoxy)methane	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Bis(2-chloroethyl)ether	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Bis(2-chloroisopropyl)ether	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Bis(2-ethylhexyl)phthalate	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Butyl benzyl phthalate	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Caprolactam	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Carbazole	97	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Chrysene	900	26.4	260		µg/Kg-dry	1	9/18/2015 2:59:00 AM
Di-n-butyl phthalate	36	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Di-n-octyl phthalate	ND	52.8	530	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Dibenzo(a,h)anthracene	170	26.4	160	m	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Dibenzofuran	43	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Diethyl phthalate	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Dimethyl phthalate	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-003B

Client Sample ID: SB-3 (2-4')
Collection Date: 9/10/2015 12:05:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	1600	26.4	260		µg/Kg-dry	1	9/18/2015 2:59:00 AM
Fluorene	72	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Hexachlorobenzene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Hexachlorobutadiene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Hexachlorocyclopentadiene	ND	52.8	260	U*	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Hexachloroethane	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Indeno(1,2,3-c,d)pyrene	620	26.4	260		µg/Kg-dry	1	9/18/2015 2:59:00 AM
Isophorone	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
N-Nitrosodi-n-propylamine	ND	26.4	160	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
N-Nitrosodimethylamine	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
N-Nitrosodiphenylamine	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Naphthalene	59	26.4	260	J	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Nitrobenzene	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Parathion	ND	52.8	530	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Pentachlorophenol	ND	52.8	530	U*	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Phenanthrene	870	26.4	260		µg/Kg-dry	1	9/18/2015 2:59:00 AM
Phenol	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Pyrene	1600	26.4	260		µg/Kg-dry	1	9/18/2015 2:59:00 AM
Pyridine	ND	26.4	260	U	µg/Kg-dry	1	9/18/2015 2:59:00 AM
Surr: 2,4,6-Tribromophenol	73.7	0	13-137		%REC	1	9/18/2015 2:59:00 AM
Surr: 2-Fluorobiphenyl	64.5	0	15-128		%REC	1	9/18/2015 2:59:00 AM
Surr: 2-Fluorophenol	60.7	0	18-120		%REC	1	9/18/2015 2:59:00 AM
Surr: 4-Terphenyl-d14	69.7	0	10-138		%REC	1	9/18/2015 2:59:00 AM
Surr: Nitrobenzene-d5	61.1	0	10-128		%REC	1	9/18/2015 2:59:00 AM
Surr: Phenol-d6	57.3	0	10-122		%REC	1	9/18/2015 2:59:00 AM



ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-4 (0-3')
Lab Order: 1509097	Collection Date: 9/10/2015 12:20:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-004A	

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,1,1-Trichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,1,2,2-Tetrachloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,1,2-Trichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,1-Dichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,1-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,1-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2,3-Trichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2,3-Trichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.07	5.4	Um	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2,4-Trichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2,4-Trimethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2-Dibromo-3-chloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2-Dibromoethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2-Dichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,2-Dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,3,5-Trimethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,3-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,3-dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,4-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
1,4-Dioxane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
2,2-Dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
2-Butanone	ND	5.36	11	U*	µg/Kg-dry	1	9/24/2015 6:13:00 AM
2-Chloroethyl vinyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
2-Chlorotoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
2-Hexanone	ND	5.36	11	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
2-Propanol	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
4-Chlorotoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
4-Isopropyltoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
4-Methyl-2-pentanone	ND	5.36	11	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Acetone	ND	5.36	11	U*	µg/Kg-dry	1	9/24/2015 6:13:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-004A

Client Sample ID: SB-4 (0-3')
Collection Date: 9/10/2015 12:20:00 PM
Matrix: SOIL

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Bromobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Bromochloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Bromodichloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Bromoform	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Bromomethane	ND	1.07	5.4	U*	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Carbon disulfide	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Carbon tetrachloride	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Chlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Chlorodifluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Chloroethane	ND	1.07	5.4	U*	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Chloroform	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Chloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
cis-1,2-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
cis-1,3-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Cyclohexane	ND	2.15	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Dibromochloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Dibromomethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Dichlorodifluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Diisopropyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Ethanol	ND	10.7	21	U*	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Ethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Freon-114	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Hexachlorobutadiene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Isopropylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
m,p-Xylene	ND	2.15	11	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Methyl Acetate	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Methyl tert-butyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Methylene chloride	7.7	5.36	11	BJ*	µg/Kg-dry	1	9/24/2015 6:13:00 AM
n-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
n-Propylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Naphthalene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
o-Xylene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-004A

Client Sample ID: SB-4 (0-3')
Collection Date: 9/10/2015 12:20:00 PM
Matrix: SOIL

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
p-Ethyltoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
sec-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Styrene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
t-Butyl alcohol	ND	2.68	5.4	U*	µg/Kg-dry	1	9/24/2015 6:13:00 AM
tert-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Tetrachloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Toluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
trans-1,2-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
trans-1,3-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Trichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Trichlorofluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Vinyl acetate	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Vinyl chloride	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Acrolein	ND	13.4	27	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Acrylonitrile	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 6:13:00 AM
Surr: 4-Bromofluorobenzene	91.4	0	48-136		%REC	1	9/24/2015 6:13:00 AM
Surr: Dibromofluoromethane	102	0	44-154		%REC	1	9/24/2015 6:13:00 AM
Surr: Toluene-d8	100	0	58-141		%REC	1	9/24/2015 6:13:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-004B

Client Sample ID: SB-4 (0-3')
Collection Date: 9/10/2015 12:20:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	6.75	0.21	0.398	D	mg/Kg-dry	25	9/17/2015 10:09:12 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Aroclor 1221	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Aroclor 1232	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Aroclor 1242	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Aroclor 1248	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Aroclor 1254	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Aroclor 1260	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Aroclor 1262	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Aroclor 1268	ND	10.7	21	U	µg/Kg-dry	1	9/21/2015 7:07:00 PM
Surr: DCB	29.4	0	18-143		%REC	1	9/21/2015 7:07:00 PM
Surr: DCB	31.3	0	18-143		%REC	1	9/21/2015 7:07:00 PM
Surr: TCX	37.9	0	18-146		%REC	1	9/21/2015 7:07:00 PM
Surr: TCX	44.4	0	18-146		%REC	1	9/21/2015 7:07:00 PM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
4,4'-DDE	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
4,4'-DDT	ND	1.07	2.7	PU	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Aldrin	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
alpha-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
alpha-Chlordane	ND	6.44	11	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
beta-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Chlorobenzilate	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
DBCP	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
delta-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Dieldrin	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Endosulfan I	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Endosulfan II	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Endosulfan sulfate	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Endrin	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Endrin aldehyde	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-4 (0-3')
Lab Order:	1509097	Collection Date:	9/10/2015 12:20:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
gamma-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
gamma-Chlordane	ND	6.44	11	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Heptachlor	ND	2.15	3.2	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Heptachlor epoxide	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Hexachlorobenzene	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Hexachlorocyclopentadiene	ND	3.22	3.2	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Methoxychlor	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Toxaphene	ND	13.4	27	U	µg/Kg-dry	1	9/18/2015 6:12:00 PM
Surr: DCB	45.2	0	16-148		%REC	1	9/18/2015 6:12:00 PM
Surr: DCB	52.7	0	16-148		%REC	1	9/18/2015 6:12:00 PM
Surr: TCX	31.8	0	19-145		%REC	1	9/18/2015 6:12:00 PM
Surr: TCX	34.3	0	19-145		%REC	1	9/18/2015 6:12:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	6.79	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	11900	1.05	4.19	D	mg/Kg-dry	10	9/16/2015 2:38:52 PM
Antimony	ND	0.21	0.524	U	mg/Kg-dry	1	9/16/2015 1:51:48 PM
Arsenic	5.89	0.21	0.524		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Barium	150	0.21	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Beryllium	ND	0.10	0.419	U	mg/Kg-dry	1	9/16/2015 1:51:48 PM
Cadmium	1.47	0.10	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Calcium	1900	0.21	0.524		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Chromium	19.3	0.10	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Cobalt	ND	0.10	0.419	U	mg/Kg-dry	1	9/16/2015 1:51:48 PM
Copper	28.7	0.10	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Iron	18000	2.1	4.19	D	mg/Kg-dry	10	9/16/2015 2:38:52 PM
Lead	323	0.21	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Magnesium	2780	0.10	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Manganese	353	0.10	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Nickel	16.2	0.10	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Potassium	1130	0.21	0.524		mg/Kg-dry	1	9/16/2015 1:51:48 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-4 (0-3')
Lab Order: 1509097	Collection Date: 9/10/2015 12:20:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-004B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS							
							Analyst: JP
Selenium	1.04	0.21	0.524		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Silver	0.143	0.10	0.419	J	mg/Kg-dry	1	9/16/2015 1:51:48 PM
Sodium	114	0.21	0.524		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Thallium	ND	0.31	0.524	U	mg/Kg-dry	1	9/16/2015 1:51:48 PM
Vanadium	31.0	0.10	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
Zinc	389	0.10	0.419		mg/Kg-dry	1	9/16/2015 1:51:48 PM
SEMIVOLATILE SW-846 METHOD 8270							
							Analyst: MH
Biphenyl	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
1,2,4-Trichlorobenzene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
1,2-Dichlorobenzene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
1,3-Dichlorobenzene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
1,4-Dichlorobenzene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2,4,5-Trichlorophenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2,4,6-Trichlorophenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2,4-Dichlorophenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2,4-Dimethylphenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2,4-Dinitrophenol	ND	53.3	530	U*	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2,4-Dinitrotoluene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2,6-Dinitrotoluene	ND	53.3	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2-Chloronaphthalene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2-Chlorophenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2-Methylnaphthalene	ND	26.7	270	Um	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2-Methylphenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2-Nitroaniline	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
2-Nitrophenol	ND	53.3	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
3+4-Methylphenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
3,3'-Dichlorobenzidine	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
3-Nitroaniline	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
4,6-Dinitro-2-methylphenol	ND	53.3	530	U*	µg/Kg-dry	1	9/18/2015 3:29:00 AM
4-Bromophenyl phenyl ether	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
4-Chloro-3-methylphenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
4-Chloroaniline	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-4 (0-3')
Lab Order:	1509097	Collection Date:	9/10/2015 12:20:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
4-Nitroaniline	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
4-Nitrophenol	ND	53.3	530	U*	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Acenaphthene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Acenaphthylene	58	26.7	270	J	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Acetophenone	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Aniline	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Anthracene	80	26.7	270	J	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Atrazine	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Azobenzene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzaldehyde	ND	53.3	530	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzidine	ND	53.3	530	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzo(a)anthracene	460	26.7	270	m	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzo(a)pyrene	480	26.7	160		µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzo(b)fluoranthene	490	26.7	270		µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzo(g,h,i)perylene	310	26.7	270		µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzo(k)fluoranthene	460	26.7	270	m	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzoic acid	ND	53.3	530	U*	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Benzyl alcohol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Bis(2-chloroethoxy)methane	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Bis(2-chloroethyl)ether	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Bis(2-chloroisopropyl)ether	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Bis(2-ethylhexyl)phthalate	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Butyl benzyl phthalate	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Caprolactam	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Carbazole	40	26.7	270	J	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Chrysene	560	26.7	270		µg/Kg-dry	1	9/18/2015 3:29:00 AM
Di-n-butyl phthalate	64	26.7	270	J	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Di-n-octyl phthalate	ND	53.3	530	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Dibenzo(a,h)anthracene	100	26.7	160	Jm	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Dibenzofuran	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Diethyl phthalate	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Dimethyl phthalate	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-4 (0-3')
Lab Order: 1509097	Collection Date: 9/10/2015 12:20:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-004B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	810	26.7	270		µg/Kg-dry	1	9/18/2015 3:29:00 AM
Fluorene	28	26.7	270	J	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Hexachlorobenzene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Hexachlorobutadiene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Hexachlorocyclopentadiene	ND	53.3	270	U*	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Hexachloroethane	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Indeno(1,2,3-c,d)pyrene	340	26.7	270		µg/Kg-dry	1	9/18/2015 3:29:00 AM
Isophorone	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
N-Nitrosodi-n-propylamine	ND	26.7	160	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
N-Nitrosodimethylamine	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
N-Nitrosodiphenylamine	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Naphthalene	33	26.7	270	J	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Nitrobenzene	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Parathion	ND	53.3	530	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Pentachlorophenol	ND	53.3	530	U*	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Phenanthrene	390	26.7	270		µg/Kg-dry	1	9/18/2015 3:29:00 AM
Phenol	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Pyrene	780	26.7	270		µg/Kg-dry	1	9/18/2015 3:29:00 AM
Pyridine	ND	26.7	270	U	µg/Kg-dry	1	9/18/2015 3:29:00 AM
Surr: 2,4,6-Tribromophenol	75.3	0	13-137		%REC	1	9/18/2015 3:29:00 AM
Surr: 2-Fluorobiphenyl	71.6	0	15-128		%REC	1	9/18/2015 3:29:00 AM
Surr: 2-Fluorophenol	65.9	0	18-120		%REC	1	9/18/2015 3:29:00 AM
Surr: 4-Terphenyl-d14	74.1	0	10-138		%REC	1	9/18/2015 3:29:00 AM
Surr: Nitrobenzene-d5	66.2	0	10-128		%REC	1	9/18/2015 3:29:00 AM
Surr: Phenol-d6	59.2	0	10-122		%REC	1	9/18/2015 3:29:00 AM



ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-4 (5-7')
Lab Order: 1509097	Collection Date: 9/10/2015 12:35:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-005A	

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	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,1,1-Trichloroethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,1,2,2-Tetrachloroethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,1,2-Trichloroethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,1-Dichloroethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,1-Dichloroethene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,1-Dichloropropene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2,3-Trichlorobenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2,3-Trichloropropane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2,4-Trichlorobenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2,4-Trimethylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2-Dibromo-3-chloropropane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2-Dibromoethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2-Dichlorobenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2-Dichloroethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,2-Dichloropropane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,3,5-Trimethylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,3-Dichlorobenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,3-dichloropropane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,4-Dichlorobenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
1,4-Dioxane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
2,2-Dichloropropane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
2-Butanone	ND	5.05	10	U*	µg/Kg-dry	1	9/24/2015 6:41:00 AM
2-Chloroethyl vinyl ether	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
2-Chlorotoluene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
2-Hexanone	ND	5.05	10	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
2-Propanol	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
4-Chlorotoluene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
4-Isopropyltoluene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
4-Methyl-2-pentanone	ND	5.05	10	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Acetone	ND	5.05	10	U*	µg/Kg-dry	1	9/24/2015 6:41:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-005A

Client Sample ID: SB-4 (5-7')
Collection Date: 9/10/2015 12:35:00 PM
Matrix: SOIL

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	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Bromobenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Bromochloromethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Bromodichloromethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Bromoform	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Bromomethane	ND	1.01	5.1	U*	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Carbon disulfide	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Carbon tetrachloride	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Chlorobenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Chlorodifluoromethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Chloroethane	ND	1.01	5.1	U*	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Chloroform	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Chloromethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
cis-1,2-Dichloroethene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
cis-1,3-Dichloropropene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Cyclohexane	ND	2.02	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Dibromochloromethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Dibromomethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Dichlorodifluoromethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Diisopropyl ether	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Ethanol	ND	10.1	20	U*	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Ethylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Freon-114	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Hexachlorobutadiene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Isopropylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
m,p-Xylene	ND	2.02	10	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Methyl Acetate	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Methyl tert-butyl ether	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Methylene chloride	6.7	5.05	10	BJ*	µg/Kg-dry	1	9/24/2015 6:41:00 AM
n-Butylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
n-Propylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Naphthalene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
o-Xylene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: SB-4 (5-7')

Lab Order: 1509097

Collection Date: 9/10/2015 12:35:00 PM

Project: 1815 West Farms Road, Bronx, NY

Matrix: SOIL

Lab ID: 1509097-005A

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	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
p-Ethyltoluene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
sec-Butylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Styrene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
t-Butyl alcohol	ND	2.53	5.1	U*	µg/Kg-dry	1	9/24/2015 6:41:00 AM
tert-Butylbenzene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Tetrachloroethene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Toluene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
trans-1,2-Dichloroethene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
trans-1,3-Dichloropropene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Trichloroethene	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Trichlorofluoromethane	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Vinyl acetate	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Vinyl chloride	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Acrolein	ND	12.6	25	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Acrylonitrile	ND	1.01	5.1	U	µg/Kg-dry	1	9/24/2015 6:41:00 AM
Surr: 4-Bromofluorobenzene	88.6	0	48-136		%REC	1	9/24/2015 6:41:00 AM
Surr: Dibromofluoromethane	102	0	44-154		%REC	1	9/24/2015 6:41:00 AM
Surr: Toluene-d8	98.6	0	58-141		%REC	1	9/24/2015 6:41:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-4 (5-7')
Lab Order:	1509097	Collection Date:	9/10/2015 12:35:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-005B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.0208	0.008	0.0152		mg/Kg-dry	1	9/17/2015 9:41:18 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Aroclor 1221	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Aroclor 1232	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Aroclor 1242	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Aroclor 1248	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Aroclor 1254	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Aroclor 1260	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Aroclor 1262	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Aroclor 1268	ND	10.2	20	U	µg/Kg-dry	1	9/21/2015 7:31:00 PM
Surr: DCB	40.2	0	18-143		%REC	1	9/21/2015 7:31:00 PM
Surr: DCB	42.0	0	18-143		%REC	1	9/21/2015 7:31:00 PM
Surr: TCX	59.8	0	18-146		%REC	1	9/21/2015 7:31:00 PM
Surr: TCX	63.3	0	18-146		%REC	1	9/21/2015 7:31:00 PM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
4,4'-DDE	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
4,4'-DDT	1.2	1.02	2.5	J	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Aldrin	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
alpha-BHC	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
alpha-Chlordane	ND	6.09	10	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
beta-BHC	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Chlorobenzilate	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
DBCP	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
delta-BHC	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Dieldrin	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Endosulfan I	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Endosulfan II	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Endosulfan sulfate	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Endrin	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Endrin aldehyde	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-4 (5-7')
Lab Order: 1509097	Collection Date: 9/10/2015 12:35:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-005B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							Analyst: SB
			SW8081B		SW3546		
Endrin ketone	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
gamma-BHC	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
gamma-Chlordane	ND	6.09	10	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Heptachlor	ND	2.03	3.0	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Heptachlor epoxide	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Hexachlorobenzene	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Hexachlorocyclopentadiene	ND	3.05	3.0	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Methoxychlor	ND	1.02	2.5	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Toxaphene	ND	12.7	25	U	µg/Kg-dry	1	9/18/2015 6:27:00 PM
Surr: DCB	77.1	0	16-148		%REC	1	9/18/2015 6:27:00 PM
Surr: DCB	76.0	0	16-148		%REC	1	9/18/2015 6:27:00 PM
Surr: TCX	48.1	0	19-145		%REC	1	9/18/2015 6:27:00 PM
Surr: TCX	48.0	0	19-145		%REC	1	9/18/2015 6:27:00 PM
PERCENT MOISTURE							Analyst: KK
			D2216				
Percent Moisture	2.56	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							Analyst: JP
			SW6010C		SW3050B		
Aluminum	12500	0.99	3.98	D	mg/Kg-dry	10	9/16/2015 2:55:37 PM
Antimony	ND	0.2	0.497	U	mg/Kg-dry	1	9/16/2015 1:53:50 PM
Arsenic	1.64	0.2	0.497		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Barium	74.3	0.2	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Beryllium	ND	0.1	0.398	U	mg/Kg-dry	1	9/16/2015 1:53:50 PM
Cadmium	ND	0.1	0.398	U	mg/Kg-dry	1	9/16/2015 1:53:50 PM
Calcium	1190	0.2	0.497		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Chromium	24.3	0.1	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Cobalt	ND	0.1	0.398	U	mg/Kg-dry	1	9/16/2015 1:53:50 PM
Copper	43.2	0.1	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Iron	20700	1.99	3.98	D	mg/Kg-dry	10	9/16/2015 2:55:37 PM
Lead	31.9	0.2	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Magnesium	5590	0.1	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Manganese	255	0.1	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Nickel	16.9	0.1	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Potassium	3250	0.2	0.497		mg/Kg-dry	1	9/16/2015 1:53:50 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-005B

Client Sample ID: SB-4 (5-7')
 Collection Date: 9/10/2015 12:35:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.867	0.2	0.497		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Silver	ND	0.1	0.398	U	mg/Kg-dry	1	9/16/2015 1:53:50 PM
Sodium	95.0	0.2	0.497		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Thallium	ND	0.3	0.497	U	mg/Kg-dry	1	9/16/2015 1:53:50 PM
Vanadium	41.5	0.1	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
Zinc	94.2	0.1	0.398		mg/Kg-dry	1	9/16/2015 1:53:50 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
1,2,4-Trichlorobenzene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
1,2-Dichlorobenzene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
1,3-Dichlorobenzene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
1,4-Dichlorobenzene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2,4,5-Trichlorophenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2,4,6-Trichlorophenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2,4-Dichlorophenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2,4-Dimethylphenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2,4-Dinitrophenol	ND	51.1	510	U*	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2,4-Dinitrotoluene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2,6-Dinitrotoluene	ND	51.1	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2-Chloronaphthalene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2-Chlorophenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2-Methylnaphthalene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2-Methylphenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2-Nitroaniline	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
2-Nitrophenol	ND	51.1	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
3+4-Methylphenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
3,3'-Dichlorobenzidine	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
3-Nitroaniline	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
4,6-Dinitro-2-methylphenol	ND	51.1	510	U*	µg/Kg-dry	1	9/18/2015 4:00:00 AM
4-Bromophenyl phenyl ether	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
4-Chloro-3-methylphenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
4-Chloroaniline	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-4 (5-7')
Lab Order:	1509097	Collection Date:	9/10/2015 12:35:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-005B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
4-Nitroaniline	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
4-Nitrophenol	ND	51.1	510	U*	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Acenaphthene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Acenaphthylene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Acetophenone	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Aniline	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Anthracene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Atrazine	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Azobenzene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzaldehyde	ND	51.1	510	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzidine	ND	51.1	510	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzo(a)anthracene	ND	25.5	260	Um	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzo(a)pyrene	ND	25.5	150	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzo(b)fluoranthene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzo(g,h,i)perylene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzo(k)fluoranthene	ND	25.5	260	Um	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzoic acid	ND	51.1	510	U*	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Benzyl alcohol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Bis(2-chloroethoxy)methane	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Bis(2-chloroethyl)ether	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Bis(2-chloroisopropyl)ether	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Bis(2-ethylhexyl)phthalate	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Butyl benzyl phthalate	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Caprolactam	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Carbazole	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Chrysene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Di-n-butyl phthalate	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Di-n-octyl phthalate	ND	51.1	510	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Dibenzo(a,h)anthracene	ND	25.5	150	Um	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Dibenzofuran	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Diethyl phthalate	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Dimethyl phthalate	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-005B

Client Sample ID: SB-4 (5-7')
Collection Date: 9/10/2015 12:35:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	31	25.5	260	J	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Fluorene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Hexachlorobenzene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Hexachlorobutadiene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Hexachlorocyclopentadiene	ND	51.1	260	U*	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Hexachloroethane	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Indeno(1,2,3-c,d)pyrene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Isophorone	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
N-Nitrosodi-n-propylamine	ND	25.5	150	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
N-Nitrosodimethylamine	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
N-Nitrosodiphenylamine	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Naphthalene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Nitrobenzene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Parathion	ND	51.1	510	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Pentachlorophenol	ND	51.1	510	U*	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Phenanthrene	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Phenol	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Pyrene	30	25.5	260	J	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Pyridine	ND	25.5	260	U	µg/Kg-dry	1	9/18/2015 4:00:00 AM
Surr: 2,4,6-Tribromophenol	74.8	0	13-137		%REC	1	9/18/2015 4:00:00 AM
Surr: 2-Fluorobiphenyl	71.8	0	15-128		%REC	1	9/18/2015 4:00:00 AM
Surr: 2-Fluorophenol	68.3	0	18-120		%REC	1	9/18/2015 4:00:00 AM
Surr: 4-Terphenyl-d14	74.5	0	10-138		%REC	1	9/18/2015 4:00:00 AM
Surr: Nitrobenzene-d5	63.6	0	10-128		%REC	1	9/18/2015 4:00:00 AM
Surr: Phenol-d6	63.1	0	10-122		%REC	1	9/18/2015 4:00:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-006A

Client Sample ID: SB-5 (0-3')
 Collection Date: 9/10/2015 1:15:00 PM
 Matrix: SOIL

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	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,1,1-Trichloroethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,1,2,2-Tetrachloroethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,1,2-Trichloroethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,1-Dichloroethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,1-Dichloroethene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,1-Dichloropropene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2,3-Trichlorobenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2,3-Trichloropropane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.17	5.9	Um	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2,4-Trichlorobenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2,4-Trimethylbenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2-Dibromo-3-chloropropane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2-Dibromoethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2-Dichlorobenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2-Dichloroethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,2-Dichloropropane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,3,5-Trimethylbenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,3-Dichlorobenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,3-dichloropropane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,4-Dichlorobenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
1,4-Dioxane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
2,2-Dichloropropane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
2-Butanone	ND	5.86	12	U*	µg/Kg-dry	1	9/24/2015 7:09:00 AM
2-Chloroethyl vinyl ether	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
2-Chlorotoluene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
2-Hexanone	ND	5.86	12	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
2-Propanol	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
4-Chlorotoluene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
4-Isopropyltoluene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
4-Methyl-2-pentanone	ND	5.86	12	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Acetone	ND	5.86	12	U*	µg/Kg-dry	1	9/24/2015 7:09:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-006A

Client Sample ID: SB-5 (0-3')
Collection Date: 9/10/2015 1:15:00 PM
Matrix: SOIL

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	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Bromobenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Bromochloromethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Bromodichloromethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Bromoform	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Bromomethane	ND	1.17	5.9	U*	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Carbon disulfide	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Carbon tetrachloride	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Chlorobenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Chlorodifluoromethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Chloroethane	ND	1.17	5.9	U*	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Chloroform	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Chloromethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
cis-1,2-Dichloroethene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
cis-1,3-Dichloropropene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Cyclohexane	ND	2.34	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Dibromochloromethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Dibromomethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Dichlorodifluoromethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Diisopropyl ether	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Ethanol	ND	11.7	23	U*	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Ethylbenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Freon-114	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Hexachlorobutadiene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Isopropylbenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
m,p-Xylene	ND	2.34	12	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Methyl Acetate	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Methyl tert-butyl ether	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Methylene chloride	8.0	5.86	12	BJ*	µg/Kg-dry	1	9/24/2015 7:09:00 AM
n-Butylbenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
n-Propylbenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Naphthalene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
o-Xylene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-006A

Client Sample ID: SB-5 (0-3')
Collection Date: 9/10/2015 1:15:00 PM
Matrix: SOIL

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	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
p-Ethyltoluene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
sec-Butylbenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Styrene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
t-Butyl alcohol	ND	2.93	5.9	U*	µg/Kg-dry	1	9/24/2015 7:09:00 AM
tert-Butylbenzene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Tetrachloroethene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Toluene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
trans-1,2-Dichloroethene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
trans-1,3-Dichloropropene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Trichloroethene	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Trichlorofluoromethane	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Vinyl acetate	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Vinyl chloride	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Acrolein	ND	14.7	29	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Acrylonitrile	ND	1.17	5.9	U	µg/Kg-dry	1	9/24/2015 7:09:00 AM
Surr: 4-Bromofluorobenzene	86.6	0	48-136		%REC	1	9/24/2015 7:09:00 AM
Surr: Dibromofluoromethane	104	0	44-154		%REC	1	9/24/2015 7:09:00 AM
Surr: Toluene-d8	99.3	0	58-141		%REC	1	9/24/2015 7:09:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-5 (0-3')
Lab Order:	1509097	Collection Date:	9/10/2015 1:15:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-006B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.297	0.009	0.0173		mg/Kg-dry	1	9/17/2015 9:43:27 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: JP
Aroclor 1016	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Aroclor 1221	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Aroclor 1232	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Aroclor 1242	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Aroclor 1248	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Aroclor 1254	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Aroclor 1260	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Aroclor 1262	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Aroclor 1268	ND	11.6	23	U	µg/Kg-dry	1	9/21/2015 7:55:00 PM
Surr: DCB	32.5	0	18-143		%REC	1	9/21/2015 7:55:00 PM
Surr: DCB	37.7	0	18-143		%REC	1	9/21/2015 7:55:00 PM
Surr: TCX	45.2	0	18-146		%REC	1	9/21/2015 7:55:00 PM
Surr: TCX	51.6	0	18-146		%REC	1	9/21/2015 7:55:00 PM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
4,4'-DDE	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
4,4'-DDT	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Aldrin	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
alpha-BHC	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
alpha-Chlordane	ND	6.94	12	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
beta-BHC	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Chlorobenzilate	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
DBCP	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
delta-BHC	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Dieldrin	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Endosulfan I	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Endosulfan II	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Endosulfan sulfate	1.8	1.16	2.9	JP	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Endrin	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Endrin aldehyde	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-006B

Client Sample ID: SB-5 (0-3')
 Collection Date: 9/10/2015 1:15:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
gamma-BHC	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
gamma-Chlordane	ND	6.94	12	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Heptachlor	ND	2.31	3.5	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Heptachlor epoxide	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Hexachlorobenzene	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Hexachlorocyclopentadiene	ND	3.47	3.5	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Methoxychlor	ND	1.16	2.9	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Toxaphene	ND	14.5	29	U	µg/Kg-dry	1	9/18/2015 6:41:00 PM
Surr: DCB	39.8	0	16-148		%REC	1	9/18/2015 6:41:00 PM
Surr: DCB	55.4	0	16-148		%REC	1	9/18/2015 6:41:00 PM
Surr: TCX	26.5	0	19-145		%REC	1	9/18/2015 6:41:00 PM
Surr: TCX	28.6	0	19-145		%REC	1	9/18/2015 6:41:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	15.2	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	11100	1.15	4.61	D	mg/Kg-dry	10	9/16/2015 2:57:39 PM
Antimony	ND	0.23	0.576	U	mg/Kg-dry	1	9/16/2015 1:55:52 PM
Arsenic	5.11	0.23	0.576		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Barium	116	0.23	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Beryllium	ND	0.12	0.461	U	mg/Kg-dry	1	9/16/2015 1:55:52 PM
Cadmium	0.844	0.12	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Calcium	4360	0.23	0.576		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Chromium	17.8	0.12	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Cobalt	ND	0.12	0.461	U	mg/Kg-dry	1	9/16/2015 1:55:52 PM
Copper	39.5	0.12	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Iron	15700	2.30	4.61	D	mg/Kg-dry	10	9/16/2015 2:57:39 PM
Lead	202	0.23	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Magnesium	3110	0.12	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Manganese	250	0.12	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Nickel	15.8	0.12	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Potassium	1090	0.23	0.576		mg/Kg-dry	1	9/16/2015 1:55:52 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-006B

Client Sample ID: SB-5 (0-3')
 Collection Date: 9/10/2015 1:15:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Selenium	1.02	0.23	0.576		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Silver	0.310	0.12	0.461	J	mg/Kg-dry	1	9/16/2015 1:55:52 PM
Sodium	183	0.23	0.576		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Thallium	ND	0.35	0.576	U	mg/Kg-dry	1	9/16/2015 1:55:52 PM
Vanadium	26.4	0.12	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
Zinc	149	0.12	0.461		mg/Kg-dry	1	9/16/2015 1:55:52 PM
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
1,2,4-Trichlorobenzene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
1,2-Dichlorobenzene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
1,3-Dichlorobenzene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
1,4-Dichlorobenzene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2,4,5-Trichlorophenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2,4,6-Trichlorophenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2,4-Dichlorophenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2,4-Dimethylphenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2,4-Dinitrophenol	ND	58.5	590	U*	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2,4-Dinitrotoluene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2,6-Dinitrotoluene	ND	58.5	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2-Chloronaphthalene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2-Chlorophenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2-Methylnaphthalene	38	29.3	290	J	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2-Methylphenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2-Nitroaniline	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
2-Nitrophenol	ND	58.5	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
3+4-Methylphenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
3,3'-Dichlorobenzidine	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
3-Nitroaniline	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
4,6-Dinitro-2-methylphenol	ND	58.5	590	U*	µg/Kg-dry	1	9/18/2015 4:31:00 AM
4-Bromophenyl phenyl ether	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
4-Chloro-3-methylphenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
4-Chloroaniline	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-006B

Client Sample ID: SB-5 (0-3')
Collection Date: 9/10/2015 1:15:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
4-Nitroaniline	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
4-Nitrophenol	ND	58.5	590	U*	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Acenaphthene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Acenaphthylene	92	29.3	290	J	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Acetophenone	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Aniline	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Anthracene	96	29.3	290	J	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Atrazine	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Azobenzene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzaldehyde	ND	58.5	590	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzidine	ND	58.5	590	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzo(a)anthracene	520	29.3	290	m	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzo(a)pyrene	520	29.3	180		µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzo(b)fluoranthene	480	29.3	290		µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzo(g,h,i)perylene	330	29.3	290		µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzo(k)fluoranthene	500	29.3	290	m	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzoic acid	ND	58.5	590	U*	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Benzyl alcohol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Bis(2-chloroethoxy)methane	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Bis(2-chloroethyl)ether	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Bis(2-chloroisopropyl)ether	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Bis(2-ethylhexyl)phthalate	74	29.3	290	J	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Butyl benzyl phthalate	800	29.3	290		µg/Kg-dry	1	9/18/2015 4:31:00 AM
Caprolactam	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Carbazole	40	29.3	290	J	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Chrysene	510	29.3	290		µg/Kg-dry	1	9/18/2015 4:31:00 AM
Di-n-butyl phthalate	81	29.3	290	J	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Di-n-octyl phthalate	ND	58.5	590	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Dibenzo(a,h)anthracene	97	29.3	180	Jm	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Dibenzofuran	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Diethyl phthalate	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Dimethyl phthalate	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-006B

Client Sample ID: SB-5 (0-3')
Collection Date: 9/10/2015 1:15:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	930	29.3	290		µg/Kg-dry	1	9/18/2015 4:31:00 AM
Fluorene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Hexachlorobenzene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Hexachlorobutadiene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Hexachlorocyclopentadiene	ND	58.5	290	U*	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Hexachloroethane	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Indeno(1,2,3-c,d)pyrene	350	29.3	290		µg/Kg-dry	1	9/18/2015 4:31:00 AM
Isophorone	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
N-Nitrosodi-n-propylamine	ND	29.3	180	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
N-Nitrosodimethylamine	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
N-Nitrosodiphenylamine	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Naphthalene	88	29.3	290	J	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Nitrobenzene	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Parathion	ND	58.5	590	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Pentachlorophenol	ND	58.5	590	U*	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Phenanthrene	280	29.3	290	J	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Phenol	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Pyrene	890	29.3	290		µg/Kg-dry	1	9/18/2015 4:31:00 AM
Pyridine	ND	29.3	290	U	µg/Kg-dry	1	9/18/2015 4:31:00 AM
Surr: 2,4,6-Tribromophenol	82.5	0	13-137		%REC	1	9/18/2015 4:31:00 AM
Surr: 2-Fluorobiphenyl	72.8	0	15-128		%REC	1	9/18/2015 4:31:00 AM
Surr: 2-Fluorophenol	72.1	0	18-120		%REC	1	9/18/2015 4:31:00 AM
Surr: 4-Terphenyl-d14	75.9	0	10-138		%REC	1	9/18/2015 4:31:00 AM
Surr: Nitrobenzene-d5	72.9	0	10-128		%REC	1	9/18/2015 4:31:00 AM
Surr: Phenol-d6	68.2	0	10-122		%REC	1	9/18/2015 4:31:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-007A

Client Sample ID: SB-5 (3-5')
Collection Date: 9/10/2015 1:30:00 PM
Matrix: SOIL

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	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,1,1-Trichloroethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,1,2,2-Tetrachloroethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,1,2-Trichloroethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,1-Dichloroethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,1-Dichloroethene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,1-Dichloropropene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2,3-Trichlorobenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2,3-Trichloropropane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2,4-Trichlorobenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2,4-Trimethylbenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2-Dibromo-3-chloropropane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2-Dibromoethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2-Dichlorobenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2-Dichloroethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,2-Dichloropropane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,3,5-Trimethylbenzene	ND	1.15	5.8	Um	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,3-Dichlorobenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,3-dichloropropane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,4-Dichlorobenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
1,4-Dioxane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
2,2-Dichloropropane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
2-Butanone	ND	5.77	12	U*	µg/Kg-dry	1	9/24/2015 7:37:00 AM
2-Chloroethyl vinyl ether	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
2-Chlorotoluene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
2-Hexanone	ND	5.77	12	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
2-Propanol	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
4-Chlorotoluene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
4-Isopropyltoluene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
4-Methyl-2-pentanone	ND	5.77	12	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Acetone	ND	5.77	12	U*	µg/Kg-dry	1	9/24/2015 7:37:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-007A

Client Sample ID: SB-5 (3-5')
Collection Date: 9/10/2015 1:30:00 PM
Matrix: SOIL

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	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Bromobenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Bromochloromethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Bromodichloromethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Bromoform	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Bromomethane	ND	1.15	5.8	U*	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Carbon disulfide	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Carbon tetrachloride	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Chlorobenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Chlorodifluoromethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Chloroethane	ND	1.15	5.8	U*	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Chloroform	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Chloromethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
cis-1,2-Dichloroethene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
cis-1,3-Dichloropropene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Cyclohexane	ND	2.31	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Dibromochloromethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Dibromomethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Dichlorodifluoromethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Diisopropyl ether	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Ethanol	ND	11.5	23	U*	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Ethylbenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Freon-114	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Hexachlorobutadiene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Isopropylbenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
m,p-Xylene	ND	2.31	12	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Methyl Acetate	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Methyl tert-butyl ether	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Methylene chloride	7.4	5.77	12	BJ*	µg/Kg-dry	1	9/24/2015 7:37:00 AM
n-Butylbenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
n-Propylbenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Naphthalene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
o-Xylene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-007A

Client Sample ID: SB-5 (3-5')
Collection Date: 9/10/2015 1:30:00 PM
Matrix: SOIL

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	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
p-Ethyltoluene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
sec-Butylbenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Styrene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
t-Butyl alcohol	ND	2.88	5.8	U*	µg/Kg-dry	1	9/24/2015 7:37:00 AM
tert-Butylbenzene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Tetrachloroethene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Toluene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
trans-1,2-Dichloroethene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
trans-1,3-Dichloropropene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Trichloroethene	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Trichlorofluoromethane	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Vinyl acetate	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Vinyl chloride	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Acrolein	ND	14.4	29	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Acrylonitrile	ND	1.15	5.8	U	µg/Kg-dry	1	9/24/2015 7:37:00 AM
Surr: 4-Bromofluorobenzene	92.0	0	48-136		%REC	1	9/24/2015 7:37:00 AM
Surr: Dibromofluoromethane	98.5	0	44-154		%REC	1	9/24/2015 7:37:00 AM
Surr: Toluene-d8	99.7	0	58-141		%REC	1	9/24/2015 7:37:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-5 (3-5')
Lab Order:	1509097	Collection Date:	9/10/2015 1:30:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-007B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.542	0.009	0.0167		mg/Kg-dry	1	9/17/2015 9:49:51 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Aroclor 1221	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Aroclor 1232	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Aroclor 1242	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Aroclor 1248	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Aroclor 1254	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Aroclor 1260	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Aroclor 1262	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Aroclor 1268	ND	11.7	23	U	µg/Kg-dry	1	9/21/2015 8:19:00 PM
Surr: DCB	39.2	0	18-143		%REC	1	9/21/2015 8:19:00 PM
Surr: DCB	39.9	0	18-143		%REC	1	9/21/2015 8:19:00 PM
Surr: TCX	57.4	0	18-146		%REC	1	9/21/2015 8:19:00 PM
Surr: TCX	58.1	0	18-146		%REC	1	9/21/2015 8:19:00 PM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
4,4'-DDE	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
4,4'-DDT	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Aldrin	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
alpha-BHC	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
alpha-Chlordane	ND	7.02	12	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
beta-BHC	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Chlorobenzilate	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
DBCP	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
delta-BHC	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Dieldrin	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Endosulfan I	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Endosulfan II	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Endosulfan sulfate	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Endrin	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Endrin aldehyde	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-007B

Client Sample ID: SB-5 (3-5')
Collection Date: 9/10/2015 1:30:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
gamma-BHC	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
gamma-Chlordane	ND	7.02	12	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Heptachlor	ND	2.34	3.5	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Heptachlor epoxide	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Hexachlorobenzene	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Hexachlorocyclopentadiene	ND	3.51	3.5	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Methoxychlor	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Toxaphene	ND	14.6	29	U	µg/Kg-dry	1	9/18/2015 6:55:00 PM
Surr: DCB	45.2	0	16-148		%REC	1	9/18/2015 6:55:00 PM
Surr: DCB	45.2	0	16-148		%REC	1	9/18/2015 6:55:00 PM
Surr: TCX	33.5	0	19-145		%REC	1	9/18/2015 6:55:00 PM
Surr: TCX	37.2	0	19-145		%REC	1	9/18/2015 6:55:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	15.2	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	12600	1.16	4.66	D	mg/Kg-dry	10	9/16/2015 2:59:41 PM
Antimony	0.489	0.23	0.582	J	mg/Kg-dry	1	9/16/2015 1:57:52 PM
Arsenic	8.30	0.23	0.582		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Barium	112	0.23	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Beryllium	ND	0.12	0.466	U	mg/Kg-dry	1	9/16/2015 1:57:52 PM
Cadmium	0.122	0.12	0.466	J	mg/Kg-dry	1	9/16/2015 1:57:52 PM
Calcium	1590	0.23	0.582		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Chromium	19.2	0.12	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Cobalt	ND	0.12	0.466	U	mg/Kg-dry	1	9/16/2015 1:57:52 PM
Copper	26.9	0.12	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Iron	35000	2.33	4.66	D	mg/Kg-dry	10	9/16/2015 2:59:41 PM
Lead	336	0.23	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Magnesium	2370	0.12	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Manganese	337	0.12	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Nickel	14.7	0.12	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Potassium	1240	0.23	0.582		mg/Kg-dry	1	9/16/2015 1:57:52 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-007B

Client Sample ID: SB-5 (3-5')
 Collection Date: 9/10/2015 1:30:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Selenium	1.26	0.23	0.582		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Silver	0.143	0.12	0.466	J	mg/Kg-dry	1	9/16/2015 1:57:52 PM
Sodium	199	0.23	0.582		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Thallium	ND	0.35	0.582	U	mg/Kg-dry	1	9/16/2015 1:57:52 PM
Vanadium	28.2	0.12	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
Zinc	133	0.12	0.466		mg/Kg-dry	1	9/16/2015 1:57:52 PM
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
1,2,4-Trichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
1,2-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
1,3-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
1,4-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2,4,5-Trichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2,4,6-Trichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2,4-Dichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2,4-Dimethylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2,4-Dinitrophenol	ND	58.4	580	U*	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2,4-Dinitrotoluene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2,6-Dinitrotoluene	ND	58.4	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2-Chloronaphthalene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2-Chlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2-Methylnaphthalene	44	29.2	290	J	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2-Methylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
2-Nitrophenol	ND	58.4	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
3+4-Methylphenol	50	29.2	290	J	µg/Kg-dry	1	9/18/2015 5:02:00 AM
3,3'-Dichlorobenzidine	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
3-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
4,6-Dinitro-2-methylphenol	ND	58.4	580	U*	µg/Kg-dry	1	9/18/2015 5:02:00 AM
4-Bromophenyl phenyl ether	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
4-Chloro-3-methylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
4-Chloroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-007B

Client Sample ID: SB-5 (3-5')
 Collection Date: 9/10/2015 1:30:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
4-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
4-Nitrophenol	ND	58.4	580	U*	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Acenaphthene	54	29.2	290	J	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Acenaphthylene	520	29.2	290		µg/Kg-dry	1	9/18/2015 5:02:00 AM
Acetophenone	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Aniline	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Anthracene	1200	29.2	290		µg/Kg-dry	1	9/18/2015 5:02:00 AM
Atrazine	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Azobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Benzaldehyde	ND	58.4	580	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Benzidine	ND	58.4	580	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Benzo(a)anthracene	6400	292	2900	Dm	µg/Kg-dry	10	9/18/2015 12:19:00 PM
Benzo(a)pyrene	5700	29.2	180		µg/Kg-dry	1	9/18/2015 5:02:00 AM
Benzo(b)fluoranthene	5000	29.2	290		µg/Kg-dry	1	9/18/2015 5:02:00 AM
Benzo(g,h,i)perylene	3200	29.2	290		µg/Kg-dry	1	9/18/2015 5:02:00 AM
Benzo(k)fluoranthene	5200	29.2	290	m	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Benzoic acid	ND	58.4	580	U*	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Benzyl alcohol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Bis(2-chloroethoxy)methane	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Bis(2-chloroethyl)ether	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Bis(2-chloroisopropyl)ether	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Bis(2-ethylhexyl)phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Butyl benzyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Caprolactam	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Carbazole	160	29.2	290	J	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Chrysene	5400	29.2	290		µg/Kg-dry	1	9/18/2015 5:02:00 AM
Di-n-butyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Di-n-octyl phthalate	ND	58.4	580	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Dibenzo(a,h)anthracene	1100	29.2	180	m	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Dibenzofuran	76	29.2	290	J	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Diethyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Dimethyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-007B

Client Sample ID: SB-5 (3-5')
Collection Date: 9/10/2015 1:30:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	12000	292	2900	D	µg/Kg-dry	10	9/18/2015 12:19:00 PM
Fluorene	170	29.2	290	J	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Hexachlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Hexachlorobutadiene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Hexachlorocyclopentadiene	ND	58.4	290	U*	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Hexachloroethane	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Indeno(1,2,3-c,d)pyrene	3800	29.2	290		µg/Kg-dry	1	9/18/2015 5:02:00 AM
Isophorone	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
N-Nitrosodi-n-propylamine	ND	29.2	180	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
N-Nitrosodimethylamine	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
N-Nitrosodiphenylamine	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Naphthalene	290	29.2	290	J	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Nitrobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Parathion	ND	58.4	580	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Pentachlorophenol	ND	58.4	580	U*	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Phenanthrene	1800	29.2	290		µg/Kg-dry	1	9/18/2015 5:02:00 AM
Phenol	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Pyrene	11000	292	2900	D	µg/Kg-dry	10	9/18/2015 12:19:00 PM
Pyridine	ND	29.2	290	U	µg/Kg-dry	1	9/18/2015 5:02:00 AM
Surr: 2,4,6-Tribromophenol	82.0	0	13-137		%REC	1	9/18/2015 5:02:00 AM
Surr: 2-Fluorobiphenyl	77.5	0	15-128		%REC	1	9/18/2015 5:02:00 AM
Surr: 2-Fluorophenol	74.5	0	18-120		%REC	1	9/18/2015 5:02:00 AM
Surr: 4-Terphenyl-d14	81.7	0	10-138		%REC	1	9/18/2015 5:02:00 AM
Surr: Nitrobenzene-d5	74.7	0	10-128		%REC	1	9/18/2015 5:02:00 AM
Surr: Phenol-d6	67.7	0	10-122		%REC	1	9/18/2015 5:02:00 AM



American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-008A

Client Sample ID: SB-6 (0-2')
Collection Date: 9/10/2015 1:45:00 PM
Matrix: SOIL

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	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,1,1-Trichloroethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,1,2,2-Tetrachloroethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,1,2-Trichloroethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,1-Dichloroethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,1-Dichloroethene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,1-Dichloropropene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2,3-Trichlorobenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2,3-Trichloropropane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.25	6.3	Um	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2,4-Trichlorobenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2,4-Trimethylbenzene	ND	1.25	6.3	Um	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2-Dibromo-3-chloropropane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2-Dibromoethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2-Dichlorobenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2-Dichloroethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,2-Dichloropropane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,3,5-Trimethylbenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,3-Dichlorobenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,3-dichloropropane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,4-Dichlorobenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
1,4-Dioxane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
2,2-Dichloropropane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
2-Butanone	ND	6.26	13	U*	µg/Kg-dry	1	9/24/2015 8:04:00 AM
2-Chloroethyl vinyl ether	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
2-Chlorotoluene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
2-Hexanone	ND	6.26	13	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
2-Propanol	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
4-Chlorotoluene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
4-Isopropyltoluene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
4-Methyl-2-pentanone	ND	6.26	13	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Acetone	ND	6.26	13	U*	µg/Kg-dry	1	9/24/2015 8:04:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-008A

Client Sample ID: SB-6 (0-2')
Collection Date: 9/10/2015 1:45:00 PM
Matrix: SOIL

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	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Bromobenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Bromochloromethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Bromodichloromethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Bromoform	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Bromomethane	ND	1.25	6.3	U*	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Carbon disulfide	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Carbon tetrachloride	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Chlorobenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Chlorodifluoromethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Chloroethane	ND	1.25	6.3	U*	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Chloroform	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Chloromethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
cis-1,2-Dichloroethene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
cis-1,3-Dichloropropene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Cyclohexane	ND	2.50	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Dibromochloromethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Dibromomethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Dichlorodifluoromethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Diisopropyl ether	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Ethanol	ND	12.5	25	U*	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Ethylbenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Freon-114	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Hexachlorobutadiene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Isopropylbenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
m,p-Xylene	ND	2.50	13	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Methyl Acetate	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Methyl tert-butyl ether	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Methylene chloride	8.2	6.26	13	BJ*	µg/Kg-dry	1	9/24/2015 8:04:00 AM
n-Butylbenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
n-Propylbenzene	ND	1.25	6.3	Um	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Naphthalene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
o-Xylene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-008A

Client Sample ID: SB-6 (0-2')
Collection Date: 9/10/2015 1:45:00 PM
Matrix: SOIL

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	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
p-Ethyltoluene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
sec-Butylbenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Styrene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
t-Butyl alcohol	ND	3.13	6.3	U*	µg/Kg-dry	1	9/24/2015 8:04:00 AM
tert-Butylbenzene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Tetrachloroethene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Toluene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
trans-1,2-Dichloroethene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
trans-1,3-Dichloropropene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Trichloroethene	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Trichlorofluoromethane	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Vinyl acetate	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Vinyl chloride	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Acrolein	ND	15.6	31	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Acrylonitrile	ND	1.25	6.3	U	µg/Kg-dry	1	9/24/2015 8:04:00 AM
Surr: 4-Bromofluorobenzene	83.7	0	48-136		%REC	1	9/24/2015 8:04:00 AM
Surr: Dibromofluoromethane	100	0	44-154		%REC	1	9/24/2015 8:04:00 AM
Surr: Toluene-d8	100	0	58-141		%REC	1	9/24/2015 8:04:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-6 (0-2')
Lab Order:	1509097	Collection Date:	9/10/2015 1:45:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-008B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	1.07	0.05	0.0885	D	mg/Kg-dry	5	9/17/2015 10:11:22 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Aroclor 1221	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Aroclor 1232	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Aroclor 1242	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Aroclor 1248	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Aroclor 1254	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Aroclor 1260	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Aroclor 1262	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Aroclor 1268	ND	12.5	25	U	µg/Kg-dry	1	9/21/2015 8:43:00 PM
Surr: DCB	40.3	0	18-143		%REC	1	9/21/2015 8:43:00 PM
Surr: DCB	42.8	0	18-143		%REC	1	9/21/2015 8:43:00 PM
Surr: TCX	53.5	0	18-146		%REC	1	9/21/2015 8:43:00 PM
Surr: TCX	52.9	0	18-146		%REC	1	9/21/2015 8:43:00 PM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
4,4'-DDE	1.5	1.25	3.1	JP	µg/Kg-dry	1	9/18/2015 7:09:00 PM
4,4'-DDT	5.0	1.25	3.1	P	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Aldrin	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
alpha-BHC	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
alpha-Chlordane	ND	7.51	13	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
beta-BHC	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Chlorobenzilate	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
DBCP	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
delta-BHC	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Dieldrin	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Endosulfan I	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Endosulfan II	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Endosulfan sulfate	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Endrin	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Endrin aldehyde	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-008B

Client Sample ID: SB-6 (0-2')
 Collection Date: 9/10/2015 1:45:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
gamma-BHC	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
gamma-Chlordane	ND	7.51	13	PU	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Heptachlor	ND	2.50	3.8	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Heptachlor epoxide	1.5	1.25	3.1	J	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Hexachlorobenzene	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Hexachlorocyclopentadiene	ND	3.75	3.8	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Methoxychlor	ND	1.25	3.1	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Toxaphene	ND	15.6	31	U	µg/Kg-dry	1	9/18/2015 7:09:00 PM
Surr: DCB	73.2	0	16-148	P	%REC	1	9/18/2015 7:09:00 PM
Surr: DCB	34.8	0	16-148	P	%REC	1	9/18/2015 7:09:00 PM
Surr: TCX	45.8	0	19-145	P	%REC	1	9/18/2015 7:09:00 PM
Surr: TCX	23.9	0	19-145	P	%REC	1	9/18/2015 7:09:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	20.1	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	9980	1.21	4.85	D	mg/Kg-dry	10	9/16/2015 3:01:43 PM
Antimony	ND	0.24	0.606	U	mg/Kg-dry	1	9/16/2015 1:59:54 PM
Arsenic	8.13	0.24	0.606		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Barium	151	0.24	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Beryllium	ND	0.12	0.485	U	mg/Kg-dry	1	9/16/2015 1:59:54 PM
Cadmium	0.494	0.12	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Calcium	1850	0.24	0.606		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Chromium	16.6	0.12	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Cobalt	ND	0.12	0.485	U	mg/Kg-dry	1	9/16/2015 1:59:54 PM
Copper	52.5	0.12	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Iron	14500	2.43	4.85	D	mg/Kg-dry	10	9/16/2015 3:01:43 PM
Lead	412	0.24	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Magnesium	1760	0.12	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Manganese	312	0.12	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Nickel	14.5	0.12	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Potassium	709	0.24	0.606		mg/Kg-dry	1	9/16/2015 1:59:54 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-008B

Client Sample ID: SB-6 (0-2')
 Collection Date: 9/10/2015 1:45:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	1.14	0.24	0.606		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Silver	0.276	0.12	0.485	J	mg/Kg-dry	1	9/16/2015 1:59:54 PM
Sodium	130	0.24	0.606		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Thallium	ND	0.36	0.606	U	mg/Kg-dry	1	9/16/2015 1:59:54 PM
Vanadium	30.5	0.12	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
Zinc	209	0.12	0.485		mg/Kg-dry	1	9/16/2015 1:59:54 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
1,2,4-Trichlorobenzene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
1,2-Dichlorobenzene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
1,3-Dichlorobenzene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
1,4-Dichlorobenzene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2,4,5-Trichlorophenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2,4,6-Trichlorophenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2,4-Dichlorophenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2,4-Dimethylphenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2,4-Dinitrophenol	ND	62.1	620	U*	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2,4-Dinitrotoluene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2,6-Dinitrotoluene	ND	62.1	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2-Chloronaphthalene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2-Chlorophenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2-Methylnaphthalene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2-Methylphenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2-Nitroaniline	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
2-Nitrophenol	ND	62.1	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
3+4-Methylphenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
3,3'-Dichlorobenzidine	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
3-Nitroaniline	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
4,6-Dinitro-2-methylphenol	ND	62.1	620	U*	µg/Kg-dry	1	9/18/2015 5:32:00 AM
4-Bromophenyl phenyl ether	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
4-Chloro-3-methylphenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
4-Chloroaniline	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-008B

Client Sample ID: SB-6 (0-2')
 Collection Date: 9/10/2015 1:45:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
4-Nitroaniline	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
4-Nitrophenol	ND	62.1	620	U*	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Acenaphthene	44	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Acenaphthylene	69	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Acetophenone	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Aniline	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Anthracene	120	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Atrazine	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Azobenzene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzaldehyde	ND	62.1	620	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzidine	ND	62.1	620	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzo(a)anthracene	440	31.0	310	m	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzo(a)pyrene	390	31.0	190		µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzo(b)fluoranthene	390	31.0	310		µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzo(g,h,i)perylene	230	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzo(k)fluoranthene	390	31.0	310	m	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzoic acid	ND	62.1	620	U*	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Benzyl alcohol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Bis(2-chloroethoxy)methane	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Bis(2-chloroethyl)ether	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Bis(2-chloroisopropyl)ether	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Bis(2-ethylhexyl)phthalate	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Butyl benzyl phthalate	410	31.0	310		µg/Kg-dry	1	9/18/2015 5:32:00 AM
Caprolactam	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Carbazole	50	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Chrysene	490	31.0	310		µg/Kg-dry	1	9/18/2015 5:32:00 AM
Di-n-butyl phthalate	58	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Di-n-octyl phthalate	ND	62.1	620	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Dibenzo(a,h)anthracene	77	31.0	190	Jm	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Dibenzofuran	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Diethyl phthalate	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Dimethyl phthalate	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-6 (0-2')
Lab Order:	1509097	Collection Date:	9/10/2015 1:45:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-008B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	990	31.0	310		µg/Kg-dry	1	9/18/2015 5:32:00 AM
Fluorene	41	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Hexachlorobenzene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Hexachlorobutadiene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Hexachlorocyclopentadiene	ND	62.1	310	U*	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Hexachloroethane	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Indeno(1,2,3-c,d)pyrene	260	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Isophorone	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
N-Nitrosodi-n-propylamine	ND	31.0	190	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
N-Nitrosodimethylamine	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
N-Nitrosodiphenylamine	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Naphthalene	38	31.0	310	J	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Nitrobenzene	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Parathion	ND	62.1	620	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Pentachlorophenol	ND	62.1	620	U*	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Phenanthrene	580	31.0	310		µg/Kg-dry	1	9/18/2015 5:32:00 AM
Phenol	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Pyrene	950	31.0	310		µg/Kg-dry	1	9/18/2015 5:32:00 AM
Pyridine	ND	31.0	310	U	µg/Kg-dry	1	9/18/2015 5:32:00 AM
Surr: 2,4,6-Tribromophenol	66.1	0	13-137		%REC	1	9/18/2015 5:32:00 AM
Surr: 2-Fluorobiphenyl	60.6	0	15-128		%REC	1	9/18/2015 5:32:00 AM
Surr: 2-Fluorophenol	59.2	0	18-120		%REC	1	9/18/2015 5:32:00 AM
Surr: 4-Terphenyl-d14	58.6	0	10-138		%REC	1	9/18/2015 5:32:00 AM
Surr: Nitrobenzene-d5	58.9	0	10-128		%REC	1	9/18/2015 5:32:00 AM
Surr: Phenol-d6	54.5	0	10-122		%REC	1	9/18/2015 5:32:00 AM



American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-009A

Client Sample ID: SB-6 (3-5')
Collection Date: 9/10/2015 2:00:00 PM
Matrix: SOIL

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	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,1,1-Trichloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,1,2,2-Tetrachloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,1,2-Trichloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,1-Dichloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,1-Dichloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,1-Dichloropropene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2,3-Trichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2,3-Trichloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2,4-Trichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2,4-Trimethylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2-Dibromo-3-chloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2-Dibromoethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2-Dichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2-Dichloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,2-Dichloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,3,5-Trimethylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,3-Dichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,3-dichloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,4-Dichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
1,4-Dioxane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
2,2-Dichloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
2-Butanone	ND	5.93	12	U*	µg/Kg-dry	1	9/24/2015 8:32:00 AM
2-Chloroethyl vinyl ether	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
2-Chlorotoluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
2-Hexanone	ND	5.93	12	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
2-Propanol	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
4-Chlorotoluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
4-Isopropyltoluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
4-Methyl-2-pentanone	ND	5.93	12	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Acetone	ND	5.93	12	U*	µg/Kg-dry	1	9/24/2015 8:32:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-009A

Client Sample ID: SB-6 (3-5')
Collection Date: 9/10/2015 2:00:00 PM
Matrix: SOIL

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	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Bromobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Bromochloromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Bromodichloromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Bromoform	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Bromomethane	ND	1.19	5.9	U*	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Carbon disulfide	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Carbon tetrachloride	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Chlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Chlorodifluoromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Chloroethane	ND	1.19	5.9	U*	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Chloroform	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Chloromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
cis-1,2-Dichloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
cis-1,3-Dichloropropene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Cyclohexane	ND	2.37	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Dibromochloromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Dibromomethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Dichlorodifluoromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Diisopropyl ether	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Ethanol	ND	11.9	24	U*	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Ethylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Freon-114	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Hexachlorobutadiene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Isopropylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
m,p-Xylene	ND	2.37	12	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Methyl Acetate	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Methyl tert-butyl ether	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Methylene chloride	6.3	5.93	12	BJ*	µg/Kg-dry	1	9/24/2015 8:32:00 AM
n-Butylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
n-Propylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Naphthalene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
o-Xylene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-009A

Client Sample ID: SB-6 (3-5')
Collection Date: 9/10/2015 2:00:00 PM
Matrix: SOIL

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	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
p-Ethyltoluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
sec-Butylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Styrene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
t-Butyl alcohol	ND	2.97	5.9	U*	µg/Kg-dry	1	9/24/2015 8:32:00 AM
tert-Butylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Tetrachloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Toluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
trans-1,2-Dichloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
trans-1,3-Dichloropropene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Trichloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Trichlorofluoromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Vinyl acetate	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Vinyl chloride	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Acrolein	ND	14.8	30	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Acrylonitrile	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 8:32:00 AM
Surr: 4-Bromofluorobenzene	92.8	0	48-136		%REC	1	9/24/2015 8:32:00 AM
Surr: Dibromofluoromethane	102	0	44-154		%REC	1	9/24/2015 8:32:00 AM
Surr: Toluene-d8	101	0	58-141		%REC	1	9/24/2015 8:32:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-6 (3-5')
Lab Order:	1509097	Collection Date:	9/10/2015 2:00:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-009B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.103	0.009	0.0174		mg/Kg-dry	1	9/17/2015 9:54:15 AM
							Analyst: JP
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Aroclor 1221	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Aroclor 1232	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Aroclor 1242	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Aroclor 1248	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Aroclor 1254	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Aroclor 1260	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Aroclor 1262	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Aroclor 1268	ND	12	24	U	µg/Kg-dry	1	9/21/2015 9:08:00 PM
Surr: DCB	45.3	0	18-143		%REC	1	9/21/2015 9:08:00 PM
Surr: DCB	45.6	0	18-143		%REC	1	9/21/2015 9:08:00 PM
Surr: TCX	62.6	0	18-146		%REC	1	9/21/2015 9:08:00 PM
Surr: TCX	63.9	0	18-146		%REC	1	9/21/2015 9:08:00 PM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
4,4'-DDE	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
4,4'-DDT	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Aldrin	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
alpha-BHC	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
alpha-Chlordane	ND	7.18	12	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
beta-BHC	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Chlorobenzilate	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
DBCP	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
delta-BHC	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Dieldrin	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Endosulfan I	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Endosulfan II	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Endosulfan sulfate	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Endrin	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Endrin aldehyde	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-009B

Client Sample ID: SB-6 (3-5')
Collection Date: 9/10/2015 2:00:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
gamma-BHC	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
gamma-Chlordane	ND	7.18	12	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Heptachlor	ND	2.39	3.6	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Heptachlor epoxide	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Hexachlorobenzene	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Hexachlorocyclopentadiene	ND	3.59	3.6	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Methoxychlor	ND	1.2	3.0	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Toxaphene	ND	14.9	30	U	µg/Kg-dry	1	9/18/2015 7:23:00 PM
Surr: DCB	63.8	0	16-148		%REC	1	9/18/2015 7:23:00 PM
Surr: DCB	68.7	0	16-148		%REC	1	9/18/2015 7:23:00 PM
Surr: TCX	42.3	0	19-145		%REC	1	9/18/2015 7:23:00 PM
Surr: TCX	51.3	0	19-145		%REC	1	9/18/2015 7:23:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	17.2	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	13400	1.18	4.74	D	mg/Kg-dry	10	9/16/2015 3:03:45 PM
Antimony	ND	0.24	0.592	U	mg/Kg-dry	1	9/16/2015 2:01:56 PM
Arsenic	3.13	0.24	0.592		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Barium	63.2	0.24	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Beryllium	ND	0.12	0.474	U	mg/Kg-dry	1	9/16/2015 2:01:56 PM
Cadmium	ND	0.12	0.474	U	mg/Kg-dry	1	9/16/2015 2:01:56 PM
Calcium	855	0.24	0.592		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Chromium	13.8	0.12	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Cobalt	ND	0.12	0.474	U	mg/Kg-dry	1	9/16/2015 2:01:56 PM
Copper	8.89	0.12	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Iron	14500	2.37	4.74	D	mg/Kg-dry	10	9/16/2015 3:03:45 PM
Lead	32.3	0.24	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Magnesium	2240	0.12	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Manganese	223	0.12	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Nickel	10.3	0.12	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Potassium	728	0.24	0.592		mg/Kg-dry	1	9/16/2015 2:01:56 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-009B

Client Sample ID: SB-6 (3-5')
Collection Date: 9/10/2015 2:00:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.655	0.24	0.592		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Silver	ND	0.12	0.474	U	mg/Kg-dry	1	9/16/2015 2:01:56 PM
Sodium	73.3	0.24	0.592		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Thallium	ND	0.36	0.592	U	mg/Kg-dry	1	9/16/2015 2:01:56 PM
Vanadium	21.7	0.12	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
Zinc	57.6	0.12	0.474		mg/Kg-dry	1	9/16/2015 2:01:56 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
1,2,4-Trichlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
1,2-Dichlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
1,3-Dichlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
1,4-Dichlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2,4,5-Trichlorophenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2,4,6-Trichlorophenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2,4-Dichlorophenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2,4-Dimethylphenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2,4-Dinitrophenol	ND	60.4	600	U*	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2,4-Dinitrotoluene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2,6-Dinitrotoluene	ND	60.4	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2-Chloronaphthalene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2-Chlorophenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2-Methylnaphthalene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2-Methylphenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2-Nitroaniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
2-Nitrophenol	ND	60.4	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
3+4-Methylphenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
3,3'-Dichlorobenzidine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
3-Nitroaniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
4,6-Dinitro-2-methylphenol	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
4-Bromophenyl phenyl ether	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
4-Chloro-3-methylphenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
4-Chloroaniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-009B

Client Sample ID: SB-6 (3-5')
 Collection Date: 9/10/2015 2:00:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
4-Nitroaniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
4-Nitrophenol	ND	60.4	600	U*	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Acenaphthene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Acenaphthylene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Acetophenone	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Aniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Anthracene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Atrazine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Azobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzaldehyde	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzidine	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzo(a)anthracene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzo(a)pyrene	ND	30.2	180	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzo(b)fluoranthene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzo(g,h,i)perylene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzo(k)fluoranthene	ND	30.2	300	Um	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzoic acid	ND	60.4	600	U*	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Benzyl alcohol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Bis(2-chloroethoxy)methane	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Bis(2-chloroethyl)ether	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Bis(2-chloroisopropyl)ether	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Bis(2-ethylhexyl)phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Butyl benzyl phthalate	99	30.2	300	J	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Caprolactam	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Carbazole	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Chrysene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Di-n-butyl phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Di-n-octyl phthalate	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Dibenzo(a,h)anthracene	ND	30.2	180	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Dibenzofuran	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Diethyl phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Dimethyl phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-009B

Client Sample ID: SB-6 (3-5')
Collection Date: 9/10/2015 2:00:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Fluorene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Hexachlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Hexachlorobutadiene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Hexachlorocyclopentadiene	ND	60.4	300	U*	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Hexachloroethane	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Indeno(1,2,3-c,d)pyrene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Isophorone	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
N-Nitrosodi-n-propylamine	ND	30.2	180	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
N-Nitrosodimethylamine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
N-Nitrosodiphenylamine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Naphthalene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Nitrobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Parathion	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Pentachlorophenol	ND	60.4	600	U*	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Phenanthrene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Phenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Pyrene	31	30.2	300	J	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Pyridine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 9:35:00 PM
Surr: 2,4,6-Tribromophenol	81.8	0	13-137		%REC	1	9/18/2015 9:35:00 PM
Surr: 2-Fluorobiphenyl	76.9	0	15-128		%REC	1	9/18/2015 9:35:00 PM
Surr: 2-Fluorophenol	72.3	0	18-120		%REC	1	9/18/2015 9:35:00 PM
Surr: 4-Terphenyl-d14	83.3	0	10-138		%REC	1	9/18/2015 9:35:00 PM
Surr: Nitrobenzene-d5	73.7	0	10-128		%REC	1	9/18/2015 9:35:00 PM
Surr: Phenol-d6	67.9	0	10-122		%REC	1	9/18/2015 9:35:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-010A

Client Sample ID: SB-7 (0-3')
 Collection Date: 9/10/2015 2:25:00 PM
 Matrix: SOIL

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	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,1,1-Trichloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,1,2,2-Tetrachloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,1,2-Trichloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,1-Dichloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,1-Dichloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,1-Dichloropropene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2,3-Trichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2,3-Trichloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2,4-Trichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2,4-Trimethylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2-Dibromo-3-chloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2-Dibromoethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2-Dichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2-Dichloroethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,2-Dichloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,3,5-Trimethylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,3-Dichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,3-dichloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,4-Dichlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
1,4-Dioxane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
2,2-Dichloropropane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
2-Butanone	ND	5.93	12	U*	µg/Kg-dry	1	9/24/2015 9:00:00 AM
2-Chloroethyl vinyl ether	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
2-Chlorotoluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
2-Hexanone	ND	5.93	12	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
2-Propanol	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
4-Chlorotoluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
4-Isopropyltoluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
4-Methyl-2-pentanone	ND	5.93	12	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Acetone	ND	5.93	12	U*	µg/Kg-dry	1	9/24/2015 9:00:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-010A

Client Sample ID: SB-7 (0-3')
Collection Date: 9/10/2015 2:25:00 PM
Matrix: SOIL

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	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Bromobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Bromochloromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Bromodichloromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Bromoform	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Bromomethane	ND	1.19	5.9	U*	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Carbon disulfide	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Carbon tetrachloride	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Chlorobenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Chlorodifluoromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Chloroethane	ND	1.19	5.9	U*	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Chloroform	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Chloromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
cis-1,2-Dichloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
cis-1,3-Dichloropropene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Cyclohexane	ND	2.37	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Dibromochloromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Dibromomethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Dichlorodifluoromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Diisopropyl ether	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Ethanol	ND	11.9	24	U*	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Ethylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Freon-114	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Hexachlorobutadiene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Isopropylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
m,p-Xylene	ND	2.37	12	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Methyl Acetate	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Methyl tert-butyl ether	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Methylene chloride	10	5.93	12	BJ*	µg/Kg-dry	1	9/24/2015 9:00:00 AM
n-Butylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
n-Propylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Naphthalene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
o-Xylene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-7 (0-3')
Lab Order:	1509097	Collection Date:	9/10/2015 2:25:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-010A		

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	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
p-Ethyltoluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
sec-Butylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Styrene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
t-Butyl alcohol	ND	2.97	5.9	U*	µg/Kg-dry	1	9/24/2015 9:00:00 AM
tert-Butylbenzene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Tetrachloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Toluene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
trans-1,2-Dichloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
trans-1,3-Dichloropropene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Trichloroethene	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Trichlorofluoromethane	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Vinyl acetate	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Vinyl chloride	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Acrolein	ND	14.8	30	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Acrylonitrile	ND	1.19	5.9	U	µg/Kg-dry	1	9/24/2015 9:00:00 AM
Surr: 4-Bromofluorobenzene	89.9	0	48-136		%REC	1	9/24/2015 9:00:00 AM
Surr: Dibromofluoromethane	102	0	44-154		%REC	1	9/24/2015 9:00:00 AM
Surr: Toluene-d8	101	0	58-141		%REC	1	9/24/2015 9:00:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-7 (0-3')
Lab Order:	1509097	Collection Date:	9/10/2015 2:25:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-010B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.0653	0.009	0.0170		mg/Kg-dry	1	9/17/2015 9:56:24 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Aroclor 1221	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Aroclor 1232	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Aroclor 1242	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Aroclor 1248	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Aroclor 1254	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Aroclor 1260	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Aroclor 1262	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Aroclor 1268	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:12:00 AM
Surr: DCB	42.8	0	18-143		%REC	1	9/22/2015 12:12:00 AM
Surr: DCB	45.7	0	18-143		%REC	1	9/22/2015 12:12:00 AM
Surr: TCX	59.5	0	18-146		%REC	1	9/22/2015 12:12:00 AM
Surr: TCX	61.6	0	18-146		%REC	1	9/22/2015 12:12:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
4,4'-DDE	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
4,4'-DDT	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Aldrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
alpha-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
alpha-Chlordane	ND	7.29	12	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
beta-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Chlorobenzilate	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
DBCP	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
delta-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Dieldrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Endosulfan I	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Endosulfan II	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Endosulfan sulfate	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Endrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Endrin aldehyde	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-010B

Client Sample ID: SB-7 (0-3')
 Collection Date: 9/10/2015 2:25:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
gamma-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
gamma-Chlordane	ND	7.29	12	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Heptachlor	ND	2.43	3.6	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Heptachlor epoxide	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Hexachlorobenzene	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Hexachlorocyclopentadiene	ND	3.64	3.6	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Methoxychlor	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Toxaphene	ND	15.2	30	U	µg/Kg-dry	1	9/18/2015 7:38:00 PM
Surr: DCB	80.5	0	16-148		%REC	1	9/18/2015 7:38:00 PM
Surr: DCB	80.8	0	16-148		%REC	1	9/18/2015 7:38:00 PM
Surr: TCX	50.1	0	19-145		%REC	1	9/18/2015 7:38:00 PM
Surr: TCX	53.4	0	19-145		%REC	1	9/18/2015 7:38:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	17.7	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	15800	1.2	4.78	D	mg/Kg-dry	10	9/16/2015 3:05:47 PM
Antimony	ND	0.24	0.598	U	mg/Kg-dry	1	9/16/2015 2:03:58 PM
Arsenic	3.47	0.24	0.598		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Barium	69.2	0.24	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Beryllium	ND	0.12	0.478	U	mg/Kg-dry	1	9/16/2015 2:03:58 PM
Cadmium	ND	0.12	0.478	U	mg/Kg-dry	1	9/16/2015 2:03:58 PM
Calcium	837	0.24	0.598		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Chromium	17.0	0.12	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Cobalt	ND	0.12	0.478	U	mg/Kg-dry	1	9/16/2015 2:03:58 PM
Copper	9.33	0.12	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Iron	18000	2.39	4.78	D	mg/Kg-dry	10	9/16/2015 3:05:47 PM
Lead	30.4	0.24	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Magnesium	2860	0.12	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Manganese	245	0.12	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Nickel	13.2	0.12	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Potassium	1460	0.24	0.598		mg/Kg-dry	1	9/16/2015 2:03:58 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-010B

Client Sample ID: SB-7 (0-3')
 Collection Date: 9/10/2015 2:25:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.994	0.24	0.598		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Silver	ND	0.12	0.478	U	mg/Kg-dry	1	9/16/2015 2:03:58 PM
Sodium	67.3	0.24	0.598		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Thallium	ND	0.36	0.598	U	mg/Kg-dry	1	9/16/2015 2:03:58 PM
Vanadium	25.9	0.12	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
Zinc	67.1	0.12	0.478		mg/Kg-dry	1	9/16/2015 2:03:58 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
1,2,4-Trichlorobenzene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
1,2-Dichlorobenzene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
1,3-Dichlorobenzene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
1,4-Dichlorobenzene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2,4,5-Trichlorophenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2,4,6-Trichlorophenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2,4-Dichlorophenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2,4-Dimethylphenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2,4-Dinitrophenol	ND	60.1	600	U*	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2,4-Dinitrotoluene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2,6-Dinitrotoluene	ND	60.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2-Chloronaphthalene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2-Chlorophenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2-Methylnaphthalene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2-Methylphenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2-Nitroaniline	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
2-Nitrophenol	ND	60.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
3+4-Methylphenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
3,3'-Dichlorobenzidine	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
3-Nitroaniline	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
4,6-Dinitro-2-methylphenol	ND	60.1	600	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
4-Bromophenyl phenyl ether	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
4-Chloro-3-methylphenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
4-Chloroaniline	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-010B

Client Sample ID: SB-7 (0-3')
 Collection Date: 9/10/2015 2:25:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
4-Nitroaniline	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
4-Nitrophenol	ND	60.1	600	U*	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Acenaphthene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Acenaphthylene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Acetophenone	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Aniline	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Anthracene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Atrazine	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Azobenzene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzaldehyde	ND	60.1	600	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzidine	ND	60.1	600	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzo(a)anthracene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzo(a)pyrene	ND	30.1	180	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzo(b)fluoranthene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzo(g,h,i)perylene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzo(k)fluoranthene	ND	30.1	300	Um	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzoic acid	ND	60.1	600	U*	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Benzyl alcohol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Bis(2-chloroethoxy)methane	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Bis(2-chloroethyl)ether	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Bis(2-chloroisopropyl)ether	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Bis(2-ethylhexyl)phthalate	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Butyl benzyl phthalate	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Caprolactam	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Carbazole	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Chrysene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Di-n-butyl phthalate	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Di-n-octyl phthalate	ND	60.1	600	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Dibenzo(a,h)anthracene	ND	30.1	180	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Dibenzofuran	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Diethyl phthalate	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Dimethyl phthalate	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-010B

Client Sample ID: SB-7 (0-3')
Collection Date: 9/10/2015 2:25:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Fluorene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Hexachlorobenzene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Hexachlorobutadiene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Hexachlorocyclopentadiene	ND	60.1	300	U*	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Hexachloroethane	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Indeno(1,2,3-c,d)pyrene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Isophorone	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
N-Nitrosodi-n-propylamine	ND	30.1	180	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
N-Nitrosodimethylamine	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
N-Nitrosodiphenylamine	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Naphthalene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Nitrobenzene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Parathion	ND	60.1	600	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Pentachlorophenol	ND	60.1	600	U*	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Phenanthrene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Phenol	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Pyrene	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Pyridine	ND	30.1	300	U	µg/Kg-dry	1	9/18/2015 9:59:00 PM
Surr: 2,4,6-Tribromophenol	77.3	0	13-137		%REC	1	9/18/2015 9:59:00 PM
Surr: 2-Fluorobiphenyl	76.9	0	15-128		%REC	1	9/18/2015 9:59:00 PM
Surr: 2-Fluorophenol	71.9	0	18-120		%REC	1	9/18/2015 9:59:00 PM
Surr: 4-Terphenyl-d14	76.8	0	10-138		%REC	1	9/18/2015 9:59:00 PM
Surr: Nitrobenzene-d5	71.6	0	10-128		%REC	1	9/18/2015 9:59:00 PM
Surr: Phenol-d6	65.3	0	10-122		%REC	1	9/18/2015 9:59:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-011A

Client Sample ID: SB-7 (3-5')
Collection Date: 9/10/2015 2:30:00 PM
Matrix: SOIL

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	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,1,1-Trichloroethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,1,2,2-Tetrachloroethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,1,2-Trichloroethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,1-Dichloroethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,1-Dichloroethene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,1-Dichloropropene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2,3-Trichlorobenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2,3-Trichloropropane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2,4-Trichlorobenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2,4-Trimethylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2-Dibromo-3-chloropropane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2-Dibromoethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2-Dichlorobenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2-Dichloroethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,2-Dichloropropane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,3,5-Trimethylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,3-Dichlorobenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,3-dichloropropane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,4-Dichlorobenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
1,4-Dioxane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
2,2-Dichloropropane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
2-Butanone	ND	6.02	12	U*	µg/Kg-dry	1	9/24/2015 9:28:00 AM
2-Chloroethyl vinyl ether	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
2-Chlorotoluene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
2-Hexanone	ND	6.02	12	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
2-Propanol	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
4-Chlorotoluene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
4-Isopropyltoluene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
4-Methyl-2-pentanone	ND	6.02	12	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Acetone	ND	6.02	12	U*	µg/Kg-dry	1	9/24/2015 9:28:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-011A

Client Sample ID: SB-7 (3-5')
Collection Date: 9/10/2015 2:30:00 PM
Matrix: SOIL

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	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Bromobenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Bromochloromethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Bromodichloromethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Bromoform	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Bromomethane	ND	1.20	6.0	U*	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Carbon disulfide	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Carbon tetrachloride	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Chlorobenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Chlorodifluoromethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Chloroethane	ND	1.20	6.0	U*	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Chloroform	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Chloromethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
cis-1,2-Dichloroethene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
cis-1,3-Dichloropropene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Cyclohexane	ND	2.41	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Dibromochloromethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Dibromomethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Dichlorodifluoromethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Diisopropyl ether	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Ethanol	ND	12.0	24	U*	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Ethylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Freon-114	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Hexachlorobutadiene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Isopropylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
m,p-Xylene	ND	2.41	12	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Methyl Acetate	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Methyl tert-butyl ether	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Methylene chloride	6.9	6.02	12	BJ*	µg/Kg-dry	1	9/24/2015 9:28:00 AM
n-Butylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
n-Propylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Naphthalene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
o-Xylene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-011A

Client Sample ID: SB-7 (3-5')
Collection Date: 9/10/2015 2:30:00 PM
Matrix: SOIL

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	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
p-Ethyltoluene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
sec-Butylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Styrene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
t-Butyl alcohol	ND	3.01	6.0	U*	µg/Kg-dry	1	9/24/2015 9:28:00 AM
tert-Butylbenzene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Tetrachloroethene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Toluene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
trans-1,2-Dichloroethene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
trans-1,3-Dichloropropene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Trichloroethene	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Trichlorofluoromethane	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Vinyl acetate	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Vinyl chloride	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Acrolein	ND	15.0	30	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Acrylonitrile	ND	1.20	6.0	U	µg/Kg-dry	1	9/24/2015 9:28:00 AM
Surr: 4-Bromofluorobenzene	92.5	0	48-136		%REC	1	9/24/2015 9:28:00 AM
Surr: Dibromofluoromethane	103	0	44-154		%REC	1	9/24/2015 9:28:00 AM
Surr: Toluene-d8	101	0	58-141		%REC	1	9/24/2015 9:28:00 AM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-7 (3-5')
Lab Order:	1509097	Collection Date:	9/10/2015 2:30:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-011B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.0237	0.009	0.0178		mg/Kg-dry	1	9/17/2015 10:22:04 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Aroclor 1221	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Aroclor 1232	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Aroclor 1242	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Aroclor 1248	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Aroclor 1254	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Aroclor 1260	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Aroclor 1262	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Aroclor 1268	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 12:36:00 AM
Surr: DCB	27.3	0	18-143		%REC	1	9/22/2015 12:36:00 AM
Surr: DCB	29.9	0	18-143		%REC	1	9/22/2015 12:36:00 AM
Surr: TCX	54.6	0	18-146		%REC	1	9/22/2015 12:36:00 AM
Surr: TCX	65.3	0	18-146		%REC	1	9/22/2015 12:36:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
4,4'-DDE	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
4,4'-DDT	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Aldrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
alpha-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
alpha-Chlordane	ND	7.26	12	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
beta-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Chlorobenzilate	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
DBCP	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
delta-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Dieldrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Endosulfan I	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Endosulfan II	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Endosulfan sulfate	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Endrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Endrin aldehyde	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-011B

Client Sample ID: SB-7 (3-5')
 Collection Date: 9/10/2015 2:30:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
gamma-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
gamma-Chlordane	ND	7.26	12	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Heptachlor	ND	2.42	3.6	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Heptachlor epoxide	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Hexachlorobenzene	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Hexachlorocyclopentadiene	ND	3.63	3.6	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Methoxychlor	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Toxaphene	ND	15.1	30	U	µg/Kg-dry	1	9/18/2015 7:52:00 PM
Surr: DCB	60.6	0	16-148		%REC	1	9/18/2015 7:52:00 PM
Surr: DCB	61.7	0	16-148		%REC	1	9/18/2015 7:52:00 PM
Surr: TCX	43.3	0	19-145		%REC	1	9/18/2015 7:52:00 PM
Surr: TCX	47.7	0	19-145		%REC	1	9/18/2015 7:52:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	17.4	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	15200	1.21	4.82	D	mg/Kg-dry	10	9/16/2015 3:07:49 PM
Antimony	ND	0.24	0.603	U	mg/Kg-dry	1	9/16/2015 2:20:34 PM
Arsenic	4.27	0.24	0.603		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Barium	36.7	0.24	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Beryllium	ND	0.12	0.482	U	mg/Kg-dry	1	9/16/2015 2:20:34 PM
Cadmium	ND	0.12	0.482	U	mg/Kg-dry	1	9/16/2015 2:20:34 PM
Calcium	981	0.24	0.603		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Chromium	18.8	0.12	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Cobalt	ND	0.12	0.482	U	mg/Kg-dry	1	9/16/2015 2:20:34 PM
Copper	11.4	0.12	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Iron	19100	2.41	4.82	D	mg/Kg-dry	10	9/16/2015 3:07:49 PM
Lead	8.76	0.24	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Magnesium	2900	0.12	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Manganese	203	0.12	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Nickel	11.6	0.12	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Potassium	1280	0.24	0.603		mg/Kg-dry	1	9/16/2015 2:20:34 PM

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 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-011B

Client Sample ID: SB-7 (3-5')
Collection Date: 9/10/2015 2:30:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.841	0.24	0.603		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Silver	ND	0.12	0.482	U	mg/Kg-dry	1	9/16/2015 2:20:34 PM
Sodium	47.2	0.24	0.603		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Thallium	ND	0.36	0.603	U	mg/Kg-dry	1	9/16/2015 2:20:34 PM
Vanadium	31.3	0.12	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
Zinc	41.8	0.12	0.482		mg/Kg-dry	1	9/16/2015 2:20:34 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
1,2,4-Trichlorobenzene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
1,2-Dichlorobenzene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
1,3-Dichlorobenzene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
1,4-Dichlorobenzene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2,4,5-Trichlorophenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2,4,6-Trichlorophenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2,4-Dichlorophenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2,4-Dimethylphenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2,4-Dinitrophenol	ND	60.0	600	U*	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2,4-Dinitrotoluene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2,6-Dinitrotoluene	ND	60.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2-Chloronaphthalene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2-Chlorophenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2-Methylnaphthalene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2-Methylphenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2-Nitroaniline	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
2-Nitrophenol	ND	60.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
3+4-Methylphenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
3,3'-Dichlorobenzidine	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
3-Nitroaniline	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
4,6-Dinitro-2-methylphenol	ND	60.0	600	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
4-Bromophenyl phenyl ether	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
4-Chloro-3-methylphenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
4-Chloroaniline	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-011B

Client Sample ID: SB-7 (3-5')
 Collection Date: 9/10/2015 2:30:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
4-Nitroaniline	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
4-Nitrophenol	ND	60.0	600	U*	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Acenaphthene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Acenaphthylene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Acetophenone	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Aniline	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Anthracene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Atrazine	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Azobenzene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzaldehyde	ND	60.0	600	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzidine	ND	60.0	600	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzo(a)anthracene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzo(a)pyrene	ND	30.0	180	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzo(b)fluoranthene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzo(g,h,i)perylene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzo(k)fluoranthene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzoic acid	ND	60.0	600	U*	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Benzyl alcohol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Bis(2-chloroethoxy)methane	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Bis(2-chloroethyl)ether	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Bis(2-chloroisopropyl)ether	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Bis(2-ethylhexyl)phthalate	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Butyl benzyl phthalate	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Caprolactam	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Carbazole	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Chrysene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Di-n-butyl phthalate	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Di-n-octyl phthalate	ND	60.0	600	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Dibenzo(a,h)anthracene	ND	30.0	180	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Dibenzofuran	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Diethyl phthalate	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Dimethyl phthalate	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-011B

Client Sample ID: SB-7 (3-5')
 Collection Date: 9/10/2015 2:30:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Fluorene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Hexachlorobenzene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Hexachlorobutadiene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Hexachlorocyclopentadiene	ND	60.0	300	U*	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Hexachloroethane	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Indeno(1,2,3-c,d)pyrene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Isophorone	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
N-Nitrosodi-n-propylamine	ND	30.0	180	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
N-Nitrosodimethylamine	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
N-Nitrosodiphenylamine	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Naphthalene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Nitrobenzene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Parathion	ND	60.0	600	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Pentachlorophenol	ND	60.0	600	U*	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Phenanthrene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Phenol	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Pyrene	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Pyridine	ND	30.0	300	U	µg/Kg-dry	1	9/18/2015 10:23:00 PM
Surr: 2,4,6-Tribromophenol	63.2	0	13-137		%REC	1	9/18/2015 10:23:00 PM
Surr: 2-Fluorobiphenyl	67.3	0	15-128		%REC	1	9/18/2015 10:23:00 PM
Surr: 2-Fluorophenol	60.4	0	18-120		%REC	1	9/18/2015 10:23:00 PM
Surr: 4-Terphenyl-d14	59.7	0	10-138		%REC	1	9/18/2015 10:23:00 PM
Surr: Nitrobenzene-d5	60.9	0	10-128		%REC	1	9/18/2015 10:23:00 PM
Surr: Phenol-d6	54.6	0	10-122		%REC	1	9/18/2015 10:23:00 PM



ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-8 (0-2')
Lab Order: 1509097	Collection Date: 9/10/2015 2:35:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-012A	

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,1,1-Trichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,1,2,2-Tetrachloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,1,2-Trichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,1-Dichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,1-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,1-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2,3-Trichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2,3-Trichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2,4,5-Tetramethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2,4-Trichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2,4-Trimethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2-Dibromo-3-chloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2-Dibromoethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2-Dichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,2-Dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,3,5-Trimethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,3-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,3-dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,4-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
1,4-Dioxane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
2,2-Dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
2-Butanone	ND	5.37	11	U*	µg/Kg-dry	1	9/24/2015 9:56:00 AM
2-Chloroethyl vinyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
2-Chlorotoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
2-Hexanone	ND	5.37	11	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
2-Propanol	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
4-Chlorotoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
4-Isopropyltoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
4-Methyl-2-pentanone	ND	5.37	11	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Acetone	ND	5.37	11	U*	µg/Kg-dry	1	9/24/2015 9:56:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-012A

Client Sample ID: SB-8 (0-2')
Collection Date: 9/10/2015 2:35:00 PM
Matrix: SOIL

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Bromobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Bromochloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Bromodichloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Bromoform	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Bromomethane	ND	1.07	5.4	U*	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Carbon disulfide	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Carbon tetrachloride	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Chlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Chlorodifluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Chloroethane	ND	1.07	5.4	U*	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Chloroform	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Chloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
cis-1,2-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
cis-1,3-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Cyclohexane	ND	2.15	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Dibromochloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Dibromomethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Dichlorodifluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Diisopropyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Ethanol	ND	10.7	21	U*	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Ethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Freon-114	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Hexachlorobutadiene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Isopropylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
m,p-Xylene	ND	2.15	11	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Methyl Acetate	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Methyl tert-butyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Methylene chloride	6.8	5.37	11	BJ*	µg/Kg-dry	1	9/24/2015 9:56:00 AM
n-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
n-Propylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Naphthalene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
o-Xylene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-012A

Client Sample ID: SB-8 (0-2')
Collection Date: 9/10/2015 2:35:00 PM
Matrix: SOIL

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
p-Ethyltoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
sec-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Styrene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
t-Butyl alcohol	ND	2.69	5.4	U*	µg/Kg-dry	1	9/24/2015 9:56:00 AM
tert-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Tetrachloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Toluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
trans-1,2-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
trans-1,3-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Trichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Trichlorofluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Vinyl acetate	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Vinyl chloride	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Acrolein	ND	13.4	27	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Acrylonitrile	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 9:56:00 AM
Surr: 4-Bromofluorobenzene	88.4	0	48-136		%REC	1	9/24/2015 9:56:00 AM
Surr: Dibromofluoromethane	105	0	44-154		%REC	1	9/24/2015 9:56:00 AM
Surr: Toluene-d8	101	0	58-141		%REC	1	9/24/2015 9:56:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-8 (0-2')
Lab Order: 1509097	Collection Date: 9/10/2015 2:35:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-012B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	0.0122	0.008	0.0152	J	mg/Kg-dry	1	9/17/2015 10:24:14 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Aroclor 1221	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Aroclor 1232	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Aroclor 1242	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Aroclor 1248	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Aroclor 1254	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Aroclor 1260	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Aroclor 1262	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Aroclor 1268	ND	11	22	U	µg/Kg-dry	1	9/22/2015 1:00:00 AM
Surr: DCB	31.1	0	18-143		%REC	1	9/22/2015 1:00:00 AM
Surr: DCB	33.8	0	18-143		%REC	1	9/22/2015 1:00:00 AM
Surr: TCX	46.0	0	18-146		%REC	1	9/22/2015 1:00:00 AM
Surr: TCX	49.6	0	18-146		%REC	1	9/22/2015 1:00:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
4,4'-DDE	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
4,4'-DDT	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Aldrin	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
alpha-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
alpha-Chlordane	ND	6.6	11	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
beta-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Chlorobenzilate	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
DBCP	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
delta-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Dieldrin	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Endosulfan I	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Endosulfan II	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Endosulfan sulfate	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Endrin	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Endrin aldehyde	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-012B

Client Sample ID: SB-8 (0-2')
Collection Date: 9/10/2015 2:35:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
gamma-BHC	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
gamma-Chlordane	ND	6.6	11	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Heptachlor	ND	2.2	3.3	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Heptachlor epoxide	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Hexachlorobenzene	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Hexachlorocyclopentadiene	ND	3.3	3.3	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Methoxychlor	ND	1.1	2.7	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Toxaphene	ND	13.7	27	U	µg/Kg-dry	1	9/18/2015 8:06:00 PM
Surr: DCB	52.8	0	16-148		%REC	1	9/18/2015 8:06:00 PM
Surr: DCB	59.3	0	16-148		%REC	1	9/18/2015 8:06:00 PM
Surr: TCX	36.3	0	19-145		%REC	1	9/18/2015 8:06:00 PM
Surr: TCX	41.0	0	19-145		%REC	1	9/18/2015 8:06:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	9.68	0	1.00		wt%	1	9/16/2015 9:43:07 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	7860	1.10	4.41	D	mg/Kg-dry	10	9/16/2015 3:09:51 PM
Antimony	ND	0.22	0.551	U	mg/Kg-dry	1	9/16/2015 2:22:36 PM
Arsenic	2.51	0.22	0.551		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Barium	32.4	0.22	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Beryllium	ND	0.11	0.441	U	mg/Kg-dry	1	9/16/2015 2:22:36 PM
Cadmium	ND	0.11	0.441	U	mg/Kg-dry	1	9/16/2015 2:22:36 PM
Calcium	1460	0.22	0.551		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Chromium	12.9	0.11	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Cobalt	ND	0.11	0.441	U	mg/Kg-dry	1	9/16/2015 2:22:36 PM
Copper	11.9	0.11	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Iron	13800	2.21	4.41	D	mg/Kg-dry	10	9/16/2015 3:09:51 PM
Lead	6.64	0.22	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Magnesium	2410	0.11	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Manganese	240	0.11	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Nickel	12.1	0.11	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Potassium	796	0.22	0.551		mg/Kg-dry	1	9/16/2015 2:22:36 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-012B

Client Sample ID: SB-8 (0-2')
 Collection Date: 9/10/2015 2:35:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.602	0.22	0.551		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Silver	ND	0.11	0.441	U	mg/Kg-dry	1	9/16/2015 2:22:36 PM
Sodium	43.5	0.22	0.551		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Thallium	ND	0.33	0.551	U	mg/Kg-dry	1	9/16/2015 2:22:36 PM
Vanadium	19.4	0.11	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
Zinc	71.0	0.11	0.441		mg/Kg-dry	1	9/16/2015 2:22:36 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
1,2,4-Trichlorobenzene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
1,2-Dichlorobenzene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
1,3-Dichlorobenzene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
1,4-Dichlorobenzene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2,4,5-Trichlorophenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2,4,6-Trichlorophenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2,4-Dichlorophenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2,4-Dimethylphenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2,4-Dinitrophenol	ND	55.0	550	U*	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2,4-Dinitrotoluene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2,6-Dinitrotoluene	ND	55.0	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2-Chloronaphthalene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2-Chlorophenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2-Methylnaphthalene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2-Methylphenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2-Nitroaniline	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
2-Nitrophenol	ND	55.0	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
3+4-Methylphenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
3,3'-Dichlorobenzidine	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
3-Nitroaniline	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
4,6-Dinitro-2-methylphenol	ND	55.0	550	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
4-Bromophenyl phenyl ether	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
4-Chloro-3-methylphenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
4-Chloroaniline	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-012B

Client Sample ID: SB-8 (0-2')
 Collection Date: 9/10/2015 2:35:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
4-Nitroaniline	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
4-Nitrophenol	ND	55.0	550	U*	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Acenaphthene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Acenaphthylene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Acetophenone	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Aniline	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Anthracene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Atrazine	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Azobenzene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzaldehyde	ND	55.0	550	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzidine	ND	55.0	550	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzo(a)anthracene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzo(a)pyrene	ND	27.5	170	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzo(b)fluoranthene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzo(g,h,i)perylene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzo(k)fluoranthene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzoic acid	ND	55.0	550	U*	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Benzyl alcohol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Bis(2-chloroethoxy)methane	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Bis(2-chloroethyl)ether	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Bis(2-chloroisopropyl)ether	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Bis(2-ethylhexyl)phthalate	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Butyl benzyl phthalate	43	27.5	280	J	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Caprolactam	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Carbazole	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Chrysene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Di-n-butyl phthalate	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Di-n-octyl phthalate	ND	55.0	550	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Dibenzo(a,h)anthracene	ND	27.5	170	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Dibenzofuran	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Diethyl phthalate	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Dimethyl phthalate	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-012B

Client Sample ID: SB-8 (0-2')
Collection Date: 9/10/2015 2:35:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Fluorene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Hexachlorobenzene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Hexachlorobutadiene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Hexachlorocyclopentadiene	ND	55.0	280	U*	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Hexachloroethane	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Indeno(1,2,3-c,d)pyrene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Isophorone	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
N-Nitrosodi-n-propylamine	ND	27.5	170	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
N-Nitrosodimethylamine	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
N-Nitrosodiphenylamine	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Naphthalene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Nitrobenzene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Parathion	ND	55.0	550	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Pentachlorophenol	ND	55.0	550	U*	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Phenanthrene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Phenol	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Pyrene	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Pyridine	ND	27.5	280	U	µg/Kg-dry	1	9/18/2015 10:47:00 PM
Surr: 2,4,6-Tribromophenol	62.0	0	13-137		%REC	1	9/18/2015 10:47:00 PM
Surr: 2-Fluorobiphenyl	66.9	0	15-128		%REC	1	9/18/2015 10:47:00 PM
Surr: 2-Fluorophenol	61.8	0	18-120		%REC	1	9/18/2015 10:47:00 PM
Surr: 4-Terphenyl-d14	61.5	0	10-138		%REC	1	9/18/2015 10:47:00 PM
Surr: Nitrobenzene-d5	62.0	0	10-128		%REC	1	9/18/2015 10:47:00 PM
Surr: Phenol-d6	57.3	0	10-122		%REC	1	9/18/2015 10:47:00 PM



American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-013A

Client Sample ID: SB-8 (5-8')
Collection Date: 9/10/2015 2:45:00 PM
Matrix: SOIL

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,1,1-Trichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,1,2,2-Tetrachloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,1,2-Trichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,1-Dichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,1-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,1-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2,3-Trichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2,3-Trichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2,4-Trichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2,4-Trimethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2-Dibromo-3-chloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2-Dibromoethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2-Dichloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,2-Dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,3,5-Trimethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,3-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,3-dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,4-Dichlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
1,4-Dioxane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
2,2-Dichloropropane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
2-Butanone	ND	5.36	11	U*	µg/Kg-dry	1	9/24/2015 4:11:00 PM
2-Chloroethyl vinyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
2-Chlorotoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
2-Hexanone	ND	5.36	11	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
2-Propanol	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
4-Chlorotoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
4-Isopropyltoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
4-Methyl-2-pentanone	ND	5.36	11	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Acetone	ND	5.36	11	U*	µg/Kg-dry	1	9/24/2015 4:11:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-013A

Client Sample ID: SB-8 (5-8')
Collection Date: 9/10/2015 2:45:00 PM
Matrix: SOIL

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Bromobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Bromochloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Bromodichloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Bromoform	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Bromomethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Carbon disulfide	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Carbon tetrachloride	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Chlorobenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Chlorodifluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Chloroethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Chloroform	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Chloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
cis-1,2-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
cis-1,3-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Cyclohexane	ND	2.14	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Dibromochloromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Dibromomethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Dichlorodifluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Diisopropyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Ethanol	ND	10.7	21	U*	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Ethylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Freon-114	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Hexachlorobutadiene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Isopropylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
m,p-Xylene	ND	2.14	11	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Methyl Acetate	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Methyl tert-butyl ether	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Methylene chloride	5.9	5.36	11	BJ*	µg/Kg-dry	1	9/24/2015 4:11:00 PM
n-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
n-Propylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Naphthalene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
o-Xylene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-013A

Client Sample ID: SB-8 (5-8')
Collection Date: 9/10/2015 2:45:00 PM
Matrix: SOIL

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	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
p-Ethyltoluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
sec-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Styrene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
t-Butyl alcohol	ND	2.68	5.4	U*	µg/Kg-dry	1	9/24/2015 4:11:00 PM
tert-Butylbenzene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Tetrachloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Toluene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
trans-1,2-Dichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
trans-1,3-Dichloropropene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Trichloroethene	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Trichlorofluoromethane	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Vinyl acetate	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Vinyl chloride	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Acrolein	ND	13.4	27	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Acrylonitrile	ND	1.07	5.4	U	µg/Kg-dry	1	9/24/2015 4:11:00 PM
Surr: 4-Bromofluorobenzene	90.2	0	48-136		%REC	1	9/24/2015 4:11:00 PM
Surr: Dibromofluoromethane	104	0	44-154		%REC	1	9/24/2015 4:11:00 PM
Surr: Toluene-d8	102	0	58-141		%REC	1	9/24/2015 4:11:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-013B

Client Sample ID: SB-8 (5-8')
Collection Date: 9/10/2015 2:45:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	ND	0.008	0.0153	U	mg/Kg-dry	1	9/17/2015 10:26:30 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Aroclor 1221	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Aroclor 1232	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Aroclor 1242	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Aroclor 1248	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Aroclor 1254	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Aroclor 1260	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Aroclor 1262	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Aroclor 1268	ND	10.7	21	U	µg/Kg-dry	1	9/22/2015 1:24:00 AM
Surr: DCB	38.9	0	18-143		%REC	1	9/22/2015 1:24:00 AM
Surr: DCB	41.3	0	18-143		%REC	1	9/22/2015 1:24:00 AM
Surr: TCX	50.0	0	18-146		%REC	1	9/22/2015 1:24:00 AM
Surr: TCX	53.1	0	18-146		%REC	1	9/22/2015 1:24:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
4,4'-DDE	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
4,4'-DDT	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Aldrin	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
alpha-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
alpha-Chlordane	ND	6.43	11	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
beta-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Chlorobenzilate	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
DBCP	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
delta-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Dieldrin	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Endosulfan I	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Endosulfan II	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Endosulfan sulfate	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Endrin	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Endrin aldehyde	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-013B

Client Sample ID: SB-8 (5-8')
 Collection Date: 9/10/2015 2:45:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
gamma-BHC	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
gamma-Chlordane	ND	6.43	11	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Heptachlor	ND	2.14	3.2	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Heptachlor epoxide	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Hexachlorobenzene	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Hexachlorocyclopentadiene	ND	3.22	3.2	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Methoxychlor	ND	1.07	2.7	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Toxaphene	ND	13.4	27	U	µg/Kg-dry	1	9/18/2015 8:20:00 PM
Surr: DCB	68.9	0	16-148		%REC	1	9/18/2015 8:20:00 PM
Surr: DCB	76.7	0	16-148		%REC	1	9/18/2015 8:20:00 PM
Surr: TCX	40.1	0	19-145		%REC	1	9/18/2015 8:20:00 PM
Surr: TCX	42.5	0	19-145		%REC	1	9/18/2015 8:20:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	6.73	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	9430	1.04	4.17	D	mg/Kg-dry	10	9/16/2015 3:11:55 PM
Antimony	ND	0.21	0.521	U	mg/Kg-dry	1	9/16/2015 2:24:39 PM
Arsenic	1.15	0.21	0.521		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Barium	49.7	0.21	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Beryllium	ND	0.10	0.417	U	mg/Kg-dry	1	9/16/2015 2:24:39 PM
Cadmium	ND	0.10	0.417	U	mg/Kg-dry	1	9/16/2015 2:24:39 PM
Calcium	1430	0.21	0.521		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Chromium	16.9	0.10	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Cobalt	ND	0.10	0.417	U	mg/Kg-dry	1	9/16/2015 2:24:39 PM
Copper	22.7	0.10	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Iron	14900	2.09	4.17	D	mg/Kg-dry	10	9/16/2015 3:11:55 PM
Lead	3.46	0.21	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Magnesium	3300	0.10	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Manganese	172	0.10	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Nickel	19.4	0.10	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Potassium	2340	0.21	0.521		mg/Kg-dry	1	9/16/2015 2:24:39 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-013B

Client Sample ID: SB-8 (5-8')
Collection Date: 9/10/2015 2:45:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Selenium	0.511	0.21	0.521	J	mg/Kg-dry	1	9/16/2015 2:24:39 PM
Silver	ND	0.10	0.417	U	mg/Kg-dry	1	9/16/2015 2:24:39 PM
Sodium	102	0.21	0.521		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Thallium	0.442	0.31	0.521	J	mg/Kg-dry	1	9/16/2015 2:24:39 PM
Vanadium	24.2	0.10	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
Zinc	52.5	0.10	0.417		mg/Kg-dry	1	9/16/2015 2:24:39 PM
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
1,2,4-Trichlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
1,2-Dichlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
1,3-Dichlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
1,4-Dichlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2,4,5-Trichlorophenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2,4,6-Trichlorophenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2,4-Dichlorophenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2,4-Dimethylphenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2,4-Dinitrophenol	ND	53.2	530	U*	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2,4-Dinitrotoluene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2,6-Dinitrotoluene	ND	53.2	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2-Chloronaphthalene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2-Chlorophenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2-Methylnaphthalene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2-Methylphenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2-Nitroaniline	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
2-Nitrophenol	ND	53.2	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
3+4-Methylphenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
3,3'-Dichlorobenzidine	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
3-Nitroaniline	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
4,6-Dinitro-2-methylphenol	ND	53.2	530	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
4-Bromophenyl phenyl ether	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
4-Chloro-3-methylphenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
4-Chloroaniline	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-013B

Client Sample ID: SB-8 (5-8')
 Collection Date: 9/10/2015 2:45:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
4-Nitroaniline	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
4-Nitrophenol	ND	53.2	530	U*	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Acenaphthene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Acenaphthylene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Acetophenone	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Aniline	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Anthracene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Atrazine	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Azobenzene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzaldehyde	ND	53.2	530	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzidine	ND	53.2	530	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzo(a)anthracene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzo(a)pyrene	ND	26.6	160	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzo(b)fluoranthene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzo(g,h,i)perylene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzo(k)fluoranthene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzoic acid	ND	53.2	530	U*	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Benzyl alcohol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Bis(2-chloroethoxy)methane	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Bis(2-chloroethyl)ether	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Bis(2-chloroisopropyl)ether	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Bis(2-ethylhexyl)phthalate	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Butyl benzyl phthalate	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Caprolactam	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Carbazole	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Chrysene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Di-n-butyl phthalate	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Di-n-octyl phthalate	ND	53.2	530	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Dibenzo(a,h)anthracene	ND	26.6	160	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Dibenzofuran	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Diethyl phthalate	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Dimethyl phthalate	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-013B

Client Sample ID: SB-8 (5-8')
Collection Date: 9/10/2015 2:45:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Fluorene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Hexachlorobenzene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Hexachlorobutadiene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Hexachlorocyclopentadiene	ND	53.2	270	U*	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Hexachloroethane	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Indeno(1,2,3-c,d)pyrene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Isophorone	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
N-Nitrosodi-n-propylamine	ND	26.6	160	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
N-Nitrosodimethylamine	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
N-Nitrosodiphenylamine	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Naphthalene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Nitrobenzene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Parathion	ND	53.2	530	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Pentachlorophenol	ND	53.2	530	U*	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Phenanthrene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Phenol	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Pyrene	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Pyridine	ND	26.6	270	U	µg/Kg-dry	1	9/18/2015 11:11:00 PM
Surr: 2,4,6-Tribromophenol	68.3	0	13-137		%REC	1	9/18/2015 11:11:00 PM
Surr: 2-Fluorobiphenyl	72.2	0	15-128		%REC	1	9/18/2015 11:11:00 PM
Surr: 2-Fluorophenol	69.8	0	18-120		%REC	1	9/18/2015 11:11:00 PM
Surr: 4-Terphenyl-d14	80.9	0	10-138		%REC	1	9/18/2015 11:11:00 PM
Surr: Nitrobenzene-d5	67.0	0	10-128		%REC	1	9/18/2015 11:11:00 PM
Surr: Phenol-d6	66.9	0	10-122		%REC	1	9/18/2015 11:11:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-014A

Client Sample ID: SB-9 (0-2')
Collection Date: 9/11/2015 9:30:00 AM
Matrix: SOIL

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	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,1,1-Trichloroethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,1,2,2-Tetrachloroethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,1,2-Trichloroethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,1-Dichloroethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,1-Dichloroethene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,1-Dichloropropene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2,3-Trichlorobenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2,3-Trichloropropane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2,4-Trichlorobenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2,4-Trimethylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2-Dibromo-3-chloropropane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2-Dibromoethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2-Dichlorobenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2-Dichloroethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,2-Dichloropropane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,3,5-Trimethylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,3-Dichlorobenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,3-dichloropropane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,4-Dichlorobenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
1,4-Dioxane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
2,2-Dichloropropane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
2-Butanone	ND	5.70	11	U*	µg/Kg-dry	1	9/24/2015 4:39:00 PM
2-Chloroethyl vinyl ether	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
2-Chlorotoluene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
2-Hexanone	ND	5.70	11	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
2-Propanol	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
4-Chlorotoluene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
4-Isopropyltoluene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
4-Methyl-2-pentanone	ND	5.70	11	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Acetone	ND	5.70	11	U*	µg/Kg-dry	1	9/24/2015 4:39:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-014A

Client Sample ID: SB-9 (0-2')
Collection Date: 9/11/2015 9:30:00 AM
Matrix: SOIL

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	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Bromobenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Bromochloromethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Bromodichloromethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Bromoform	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Bromomethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Carbon disulfide	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Carbon tetrachloride	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Chlorobenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Chlorodifluoromethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Chloroethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Chloroform	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Chloromethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
cis-1,2-Dichloroethene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
cis-1,3-Dichloropropene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Cyclohexane	ND	2.28	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Dibromochloromethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Dibromomethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Dichlorodifluoromethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Diisopropyl ether	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Ethanol	ND	11.4	23	U*	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Ethylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Freon-114	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Hexachlorobutadiene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Isopropylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
m,p-Xylene	ND	2.28	11	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Methyl Acetate	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Methyl tert-butyl ether	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Methylene chloride	6.8	5.70	11	BJ*	µg/Kg-dry	1	9/24/2015 4:39:00 PM
n-Butylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
n-Propylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Naphthalene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
o-Xylene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-014A

Client Sample ID: SB-9 (0-2')
Collection Date: 9/11/2015 9:30:00 AM
Matrix: SOIL

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	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
p-Ethyltoluene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
sec-Butylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Styrene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
t-Butyl alcohol	ND	2.85	5.7	U*	µg/Kg-dry	1	9/24/2015 4:39:00 PM
tert-Butylbenzene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Tetrachloroethene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Toluene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
trans-1,2-Dichloroethene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
trans-1,3-Dichloropropene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Trichloroethene	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Trichlorofluoromethane	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Vinyl acetate	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Vinyl chloride	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Acrolein	ND	14.3	29	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Acrylonitrile	ND	1.14	5.7	U	µg/Kg-dry	1	9/24/2015 4:39:00 PM
Surr: 4-Bromofluorobenzene	90.1	0	48-136		%REC	1	9/24/2015 4:39:00 PM
Surr: Dibromofluoromethane	108	0	44-154		%REC	1	9/24/2015 4:39:00 PM
Surr: Toluene-d8	100	0	58-141		%REC	1	9/24/2015 4:39:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, New York, Zip - 11735
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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-9 (0-2')
Lab Order:	1509097	Collection Date:	9/11/2015 9:30:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-014B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.146	0.009	0.0174		mg/Kg-dry	1	9/17/2015 10:28:40 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Aroclor 1221	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Aroclor 1232	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Aroclor 1242	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Aroclor 1248	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Aroclor 1254	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Aroclor 1260	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Aroclor 1262	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Aroclor 1268	ND	11.7	23	U	µg/Kg-dry	1	9/22/2015 1:49:00 AM
Surr: DCB	96.2	0	18-143		%REC	1	9/22/2015 1:49:00 AM
Surr: DCB	106	0	18-143		%REC	1	9/22/2015 1:49:00 AM
Surr: TCX	57.9	0	18-146		%REC	1	9/22/2015 1:49:00 AM
Surr: TCX	62.8	0	18-146		%REC	1	9/22/2015 1:49:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
4,4'-DDE	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
4,4'-DDT	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Aldrin	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
alpha-BHC	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
alpha-Chlordane	ND	7.01	12	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
beta-BHC	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Chlorobenzilate	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
DBCP	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
delta-BHC	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Dieldrin	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Endosulfan I	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Endosulfan II	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Endosulfan sulfate	1.7	1.17	2.9	J	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Endrin	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Endrin aldehyde	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-014B

Client Sample ID: SB-9 (0-2')
Collection Date: 9/11/2015 9:30:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
gamma-BHC	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
gamma-Chlordane	ND	7.01	12	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Heptachlor	ND	2.34	3.5	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Heptachlor epoxide	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Hexachlorobenzene	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Hexachlorocyclopentadiene	ND	3.50	3.5	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Methoxychlor	ND	1.17	2.9	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Toxaphene	ND	14.6	29	U	µg/Kg-dry	1	9/18/2015 8:35:00 PM
Surr: DCB	132	0	16-148		%REC	1	9/18/2015 8:35:00 PM
Surr: DCB	146	0	16-148		%REC	1	9/18/2015 8:35:00 PM
Surr: TCX	50.1	0	19-145		%REC	1	9/18/2015 8:35:00 PM
Surr: TCX	45.2	0	19-145		%REC	1	9/18/2015 8:35:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	14.9	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	15100	1.17	4.68	D	mg/Kg-dry	10	9/16/2015 3:13:59 PM
Antimony	ND	0.23	0.585	U	mg/Kg-dry	1	9/16/2015 2:26:41 PM
Arsenic	5.15	0.23	0.585		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Barium	85.2	0.23	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Beryllium	ND	0.12	0.468	U	mg/Kg-dry	1	9/16/2015 2:26:41 PM
Cadmium	0.210	0.12	0.468	J	mg/Kg-dry	1	9/16/2015 2:26:41 PM
Calcium	2560	0.23	0.585		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Chromium	17.1	0.12	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Cobalt	ND	0.12	0.468	U	mg/Kg-dry	1	9/16/2015 2:26:41 PM
Copper	21.5	0.12	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Iron	20400	2.34	4.68	D	mg/Kg-dry	10	9/16/2015 3:13:59 PM
Lead	109	0.23	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Magnesium	3200	0.12	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Manganese	310	0.12	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Nickel	13.4	0.12	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Potassium	1090	0.23	0.585		mg/Kg-dry	1	9/16/2015 2:26:41 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-014B

Client Sample ID: SB-9 (0-2')
Collection Date: 9/11/2015 9:30:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.945	0.23	0.585		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Silver	ND	0.12	0.468	U	mg/Kg-dry	1	9/16/2015 2:26:41 PM
Sodium	86.0	0.23	0.585		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Thallium	ND	0.35	0.585	U	mg/Kg-dry	1	9/16/2015 2:26:41 PM
Vanadium	27.3	0.12	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
Zinc	84.1	0.12	0.468		mg/Kg-dry	1	9/16/2015 2:26:41 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	29.2	290	Um	µg/Kg-dry	1	9/19/2015 8:44:00 AM
1,2,4-Trichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
1,2-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
1,3-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
1,4-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2,4,5-Trichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2,4,6-Trichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2,4-Dichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2,4-Dimethylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2,4-Dinitrophenol	ND	58.4	580	U*	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2,4-Dinitrotoluene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2,6-Dinitrotoluene	ND	58.4	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2-Chloronaphthalene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2-Chlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2-Methylnaphthalene	43	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2-Methylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
2-Nitrophenol	ND	58.4	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
3+4-Methylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
3,3'-Dichlorobenzidine	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
3-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
4,6-Dinitro-2-methylphenol	ND	58.4	580	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
4-Bromophenyl phenyl ether	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
4-Chloro-3-methylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
4-Chloroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-014B

Client Sample ID: SB-9 (0-2')
 Collection Date: 9/11/2015 9:30:00 AM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
4-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
4-Nitrophenol	ND	58.4	580	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Acenaphthene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Acenaphthylene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Acetophenone	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Aniline	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Anthracene	40	29.2	290	Jm	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Atrazine	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Azobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzaldehyde	ND	58.4	580	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzidine	ND	58.4	580	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzo(a)anthracene	140	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzo(a)pyrene	120	29.2	180	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzo(b)fluoranthene	110	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzo(g,h,i)perylene	79	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzo(k)fluoranthene	120	29.2	290	Jm	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzoic acid	ND	58.4	580	U*	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Benzyl alcohol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Bis(2-chloroethoxy)methane	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Bis(2-chloroethyl)ether	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Bis(2-chloroisopropyl)ether	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Bis(2-ethylhexyl)phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Butyl benzyl phthalate	62	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Caprolactam	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Carbazole	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Chrysene	180	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Di-n-butyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Di-n-octyl phthalate	ND	58.4	580	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Dibenzo(a,h)anthracene	ND	29.2	180	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Dibenzofuran	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Diethyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Dimethyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-014B

Client Sample ID: SB-9 (0-2')
 Collection Date: 9/11/2015 9:30:00 AM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	230	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Fluorene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Hexachlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Hexachlorobutadiene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Hexachlorocyclopentadiene	ND	58.4	290	U*	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Hexachloroethane	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Indeno(1,2,3-c,d)pyrene	75	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Isophorone	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
N-Nitrosodi-n-propylamine	ND	29.2	180	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
N-Nitrosodimethylamine	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
N-Nitrosodiphenylamine	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Naphthalene	46	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Nitrobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Parathion	ND	58.4	580	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Pentachlorophenol	ND	58.4	580	U*	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Phenanthrene	200	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Phenol	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Pyrene	260	29.2	290	J	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Pyridine	ND	29.2	290	U	µg/Kg-dry	1	9/19/2015 8:44:00 AM
Surr: 2,4,6-Tribromophenol	69.7	0	13-137		%REC	1	9/19/2015 8:44:00 AM
Surr: 2-Fluorobiphenyl	70.5	0	15-128		%REC	1	9/19/2015 8:44:00 AM
Surr: 2-Fluorophenol	64.0	0	18-120		%REC	1	9/19/2015 8:44:00 AM
Surr: 4-Terphenyl-d14	64.9	0	10-138		%REC	1	9/19/2015 8:44:00 AM
Surr: Nitrobenzene-d5	64.1	0	10-128		%REC	1	9/19/2015 8:44:00 AM
Surr: Phenol-d6	58.3	0	10-122		%REC	1	9/19/2015 8:44:00 AM



ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-015A

Client Sample ID: SB-9 (3-5')
Collection Date: 9/11/2015 9:45:00 AM
Matrix: SOIL

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	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,1,1-Trichloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,1,2,2-Tetrachloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,1,2-Trichloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,1-Dichloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,1-Dichloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,1-Dichloropropene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2,3-Trichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2,3-Trichloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2,4-Trichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2,4-Trimethylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2-Dibromo-3-chloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2-Dibromoethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2-Dichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2-Dichloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,2-Dichloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,3,5-Trimethylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,3-Dichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,3-dichloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,4-Dichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
1,4-Dioxane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
2,2-Dichloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
2-Butanone	ND	5.92	12	U*	µg/Kg-dry	1	9/24/2015 5:06:00 PM
2-Chloroethyl vinyl ether	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
2-Chlorotoluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
2-Hexanone	ND	5.92	12	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
2-Propanol	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
4-Chlorotoluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
4-Isopropyltoluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
4-Methyl-2-pentanone	ND	5.92	12	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Acetone	ND	5.92	12	U*	µg/Kg-dry	1	9/24/2015 5:06:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-015A

Client Sample ID: SB-9 (3-5')
Collection Date: 9/11/2015 9:45:00 AM
Matrix: SOIL

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	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Bromobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Bromochloromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Bromodichloromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Bromoform	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Bromomethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Carbon disulfide	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Carbon tetrachloride	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Chlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Chlorodifluoromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Chloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Chloroform	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Chloromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
cis-1,2-Dichloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
cis-1,3-Dichloropropene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Cyclohexane	ND	2.37	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Dibromochloromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Dibromomethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Dichlorodifluoromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Diisopropyl ether	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Ethanol	ND	11.8	24	U*	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Ethylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Freon-114	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Hexachlorobutadiene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Isopropylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
m,p-Xylene	ND	2.37	12	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Methyl Acetate	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Methyl tert-butyl ether	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Methylene chloride	6.2	5.92	12	BJ*	µg/Kg-dry	1	9/24/2015 5:06:00 PM
n-Butylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
n-Propylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Naphthalene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
o-Xylene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-015A

Client Sample ID: SB-9 (3-5')
Collection Date: 9/11/2015 9:45:00 AM
Matrix: SOIL

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	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
p-Ethyltoluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
sec-Butylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Styrene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
t-Butyl alcohol	ND	2.96	5.9	U*	µg/Kg-dry	1	9/24/2015 5:06:00 PM
tert-Butylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Tetrachloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Toluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
trans-1,2-Dichloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
trans-1,3-Dichloropropene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Trichloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Trichlorofluoromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Vinyl acetate	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Vinyl chloride	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Acrolein	ND	14.8	30	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Acrylonitrile	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 5:06:00 PM
Surr: 4-Bromofluorobenzene	90.7	0	48-136		%REC	1	9/24/2015 5:06:00 PM
Surr: Dibromofluoromethane	108	0	44-154		%REC	1	9/24/2015 5:06:00 PM
Surr: Toluene-d8	102	0	58-141		%REC	1	9/24/2015 5:06:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-9 (3-5')
Lab Order:	1509097	Collection Date:	9/11/2015 9:45:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-015B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.260	0.009	0.0171		mg/Kg-dry	1	9/17/2015 10:30:49 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Aroclor 1221	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Aroclor 1232	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Aroclor 1242	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Aroclor 1248	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Aroclor 1254	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Aroclor 1260	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Aroclor 1262	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Aroclor 1268	ND	12.1	24	U	µg/Kg-dry	1	9/22/2015 2:13:00 AM
Surr: DCB	39.0	0	18-143		%REC	1	9/22/2015 2:13:00 AM
Surr: DCB	44.4	0	18-143		%REC	1	9/22/2015 2:13:00 AM
Surr: TCX	56.4	0	18-146		%REC	1	9/22/2015 2:13:00 AM
Surr: TCX	59.5	0	18-146		%REC	1	9/22/2015 2:13:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
4,4'-DDE	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
4,4'-DDT	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Aldrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
alpha-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
alpha-Chlordane	ND	7.26	12	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
beta-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Chlorobenzilate	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
DBCP	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
delta-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Dieldrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Endosulfan I	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Endosulfan II	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Endosulfan sulfate	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Endrin	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Endrin aldehyde	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-015B

Client Sample ID: SB-9 (3-5')
Collection Date: 9/11/2015 9:45:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
gamma-BHC	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
gamma-Chlordane	ND	7.26	12	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Heptachlor	ND	2.42	3.6	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Heptachlor epoxide	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Hexachlorobenzene	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Hexachlorocyclopentadiene	ND	3.63	3.6	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Methoxychlor	ND	1.21	3.0	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Toxaphene	ND	15.1	30	U	µg/Kg-dry	1	9/18/2015 8:49:00 PM
Surr: DCB	61.8	0	16-148		%REC	1	9/18/2015 8:49:00 PM
Surr: DCB	69.1	0	16-148		%REC	1	9/18/2015 8:49:00 PM
Surr: TCX	43.3	0	19-145		%REC	1	9/18/2015 8:49:00 PM
Surr: TCX	44.9	0	19-145		%REC	1	9/18/2015 8:49:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	17.8	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	24800	1.19	4.77	D	mg/Kg-dry	10	9/16/2015 3:31:21 PM
Antimony	ND	0.24	0.596	U	mg/Kg-dry	1	9/16/2015 2:28:43 PM
Arsenic	5.96	0.24	0.596		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Barium	109	0.24	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Beryllium	ND	0.12	0.477	U	mg/Kg-dry	1	9/16/2015 2:28:43 PM
Cadmium	ND	0.12	0.477	U	mg/Kg-dry	1	9/16/2015 2:28:43 PM
Calcium	2010	0.24	0.596		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Chromium	19.7	0.12	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Cobalt	ND	0.12	0.477	U	mg/Kg-dry	1	9/16/2015 2:28:43 PM
Copper	30.0	0.12	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Iron	32400	2.39	4.77	D	mg/Kg-dry	10	9/16/2015 3:31:21 PM
Lead	177	0.24	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Magnesium	2660	0.12	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Manganese	314	0.12	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Nickel	17.4	0.12	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Potassium	1080	0.24	0.596		mg/Kg-dry	1	9/16/2015 2:28:43 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-015B

Client Sample ID: SB-9 (3-5')
 Collection Date: 9/11/2015 9:45:00 AM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.949	0.24	0.596		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Silver	0.157	0.12	0.477	J	mg/Kg-dry	1	9/16/2015 2:28:43 PM
Sodium	104	0.24	0.596		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Thallium	ND	0.36	0.596	U	mg/Kg-dry	1	9/16/2015 2:28:43 PM
Vanadium	26.7	0.12	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
Zinc	109	0.12	0.477		mg/Kg-dry	1	9/16/2015 2:28:43 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
1,2,4-Trichlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
1,2-Dichlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
1,3-Dichlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
1,4-Dichlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2,4,5-Trichlorophenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2,4,6-Trichlorophenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2,4-Dichlorophenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2,4-Dimethylphenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2,4-Dinitrophenol	ND	60.4	600	U*	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2,4-Dinitrotoluene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2,6-Dinitrotoluene	ND	60.4	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2-Chloronaphthalene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2-Chlorophenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2-Methylnaphthalene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2-Methylphenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2-Nitroaniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
2-Nitrophenol	ND	60.4	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
3+4-Methylphenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
3,3'-Dichlorobenzidine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
3-Nitroaniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
4,6-Dinitro-2-methylphenol	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
4-Bromophenyl phenyl ether	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
4-Chloro-3-methylphenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
4-Chloroaniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-015B

Client Sample ID: SB-9 (3-5')
 Collection Date: 9/11/2015 9:45:00 AM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
4-Nitroaniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
4-Nitrophenol	ND	60.4	600	U*	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Acenaphthene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Acenaphthylene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Acetophenone	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Aniline	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Anthracene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Atrazine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Azobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzaldehyde	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzidine	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzo(a)anthracene	33	30.2	300	J	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzo(a)pyrene	ND	30.2	180	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzo(b)fluoranthene	32	30.2	300	J	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzo(g,h,i)perylene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzo(k)fluoranthene	ND	30.2	300	Um	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzoic acid	ND	60.4	600	U*	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Benzyl alcohol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Bis(2-chloroethoxy)methane	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Bis(2-chloroethyl)ether	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Bis(2-chloroisopropyl)ether	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Bis(2-ethylhexyl)phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Butyl benzyl phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Caprolactam	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Carbazole	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Chrysene	43	30.2	300	J	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Di-n-butyl phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Di-n-octyl phthalate	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Dibenzo(a,h)anthracene	ND	30.2	180	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Dibenzofuran	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Diethyl phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Dimethyl phthalate	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-015B

Client Sample ID: SB-9 (3-5')
Collection Date: 9/11/2015 9:45:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	84	30.2	300	J	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Fluorene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Hexachlorobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Hexachlorobutadiene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Hexachlorocyclopentadiene	ND	60.4	300	U*	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Hexachloroethane	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Indeno(1,2,3-c,d)pyrene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Isophorone	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
N-Nitrosodi-n-propylamine	ND	30.2	180	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
N-Nitrosodimethylamine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
N-Nitrosodiphenylamine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Naphthalene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Nitrobenzene	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Parathion	ND	60.4	600	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Pentachlorophenol	ND	60.4	600	U*	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Phenanthrene	48	30.2	300	J	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Phenol	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Pyrene	73	30.2	300	J	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Pyridine	ND	30.2	300	U	µg/Kg-dry	1	9/18/2015 11:35:00 PM
Surr: 2,4,6-Tribromophenol	66.2	0	13-137		%REC	1	9/18/2015 11:35:00 PM
Surr: 2-Fluorobiphenyl	67.1	0	15-128		%REC	1	9/18/2015 11:35:00 PM
Surr: 2-Fluorophenol	63.0	0	18-120		%REC	1	9/18/2015 11:35:00 PM
Surr: 4-Terphenyl-d14	62.7	0	10-138		%REC	1	9/18/2015 11:35:00 PM
Surr: Nitrobenzene-d5	63.0	0	10-128		%REC	1	9/18/2015 11:35:00 PM
Surr: Phenol-d6	57.5	0	10-122		%REC	1	9/18/2015 11:35:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: SB-10 (0-2')

Lab Order: 1509097

Collection Date: 9/11/2015 10:15:00 AM

Project: 1815 West Farms Road, Bronx, NY

Matrix: SOIL

Lab ID: 1509097-016A

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	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,1,1-Trichloroethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,1,2,2-Tetrachloroethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,1,2-Trichloroethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,1-Dichloroethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,1-Dichloroethene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,1-Dichloropropene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2,3-Trichlorobenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2,3-Trichloropropane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2,4-Trichlorobenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2,4-Trimethylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2-Dibromo-3-chloropropane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2-Dibromoethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2-Dichlorobenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2-Dichloroethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,2-Dichloropropane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,3,5-Trimethylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,3-Dichlorobenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,3-dichloropropane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,4-Dichlorobenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
1,4-Dioxane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
2,2-Dichloropropane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
2-Butanone	ND	5.32	11	U*	µg/Kg-dry	1	9/24/2015 5:34:00 PM
2-Chloroethyl vinyl ether	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
2-Chlorotoluene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
2-Hexanone	ND	5.32	11	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
2-Propanol	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
4-Chlorotoluene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
4-Isopropyltoluene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
4-Methyl-2-pentanone	ND	5.32	11	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Acetone	ND	5.32	11	U*	µg/Kg-dry	1	9/24/2015 5:34:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-016A

Client Sample ID: SB-10 (0-2')
Collection Date: 9/11/2015 10:15:00 AM
Matrix: SOIL

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	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Bromobenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Bromochloromethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Bromodichloromethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Bromoform	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Bromomethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Carbon disulfide	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Carbon tetrachloride	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Chlorobenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Chlorodifluoromethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Chloroethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Chloroform	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Chloromethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
cis-1,2-Dichloroethene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
cis-1,3-Dichloropropene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Cyclohexane	ND	2.13	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Dibromochloromethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Dibromomethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Dichlorodifluoromethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Diisopropyl ether	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Ethanol	ND	10.6	21	U*	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Ethylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Freon-114	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Hexachlorobutadiene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Isopropylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
m,p-Xylene	ND	2.13	11	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Methyl Acetate	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Methyl tert-butyl ether	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Methylene chloride	5.7	5.32	11	BJ*	µg/Kg-dry	1	9/24/2015 5:34:00 PM
n-Butylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
n-Propylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Naphthalene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
o-Xylene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-10 (0-2')
Lab Order:	1509097	Collection Date:	9/11/2015 10:15:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-016A		

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	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
p-Ethyltoluene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
sec-Butylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Styrene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
t-Butyl alcohol	ND	2.66	5.3	U*	µg/Kg-dry	1	9/24/2015 5:34:00 PM
tert-Butylbenzene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Tetrachloroethene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Toluene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
trans-1,2-Dichloroethene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
trans-1,3-Dichloropropene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Trichloroethene	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Trichlorofluoromethane	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Vinyl acetate	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Vinyl chloride	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Acrolein	ND	13.3	27	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Acrylonitrile	ND	1.06	5.3	U	µg/Kg-dry	1	9/24/2015 5:34:00 PM
Surr: 4-Bromofluorobenzene	90.7	0	48-136		%REC	1	9/24/2015 5:34:00 PM
Surr: Dibromofluoromethane	103	0	44-154		%REC	1	9/24/2015 5:34:00 PM
Surr: Toluene-d8	101	0	58-141		%REC	1	9/24/2015 5:34:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-10 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 10:15:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-016B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.0181	0.009	0.0160		mg/Kg-dry	1	9/17/2015 10:33:00 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: JP
Aroclor 1016	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Aroclor 1221	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Aroclor 1232	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Aroclor 1242	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Aroclor 1248	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Aroclor 1254	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Aroclor 1260	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Aroclor 1262	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Aroclor 1268	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:12:00 AM
Surr: DCB	58.3	0	18-143		%REC	1	9/23/2015 7:12:00 AM
Surr: DCB	59.3	0	18-143		%REC	1	9/23/2015 7:12:00 AM
Surr: TCX	60.0	0	18-146		%REC	1	9/23/2015 7:12:00 AM
Surr: TCX	59.6	0	18-146		%REC	1	9/23/2015 7:12:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
4,4'-DDE	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
4,4'-DDT	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Aldrin	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
alpha-BHC	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
alpha-Chlordane	ND	6.49	11	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
beta-BHC	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Chlorobenzilate	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
DBCP	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
delta-BHC	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Dieldrin	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Endosulfan I	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Endosulfan II	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Endosulfan sulfate	1.8	1.08	2.7	JP	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Endrin	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Endrin aldehyde	3.2	1.08	2.7	P	µg/Kg-dry	1	9/22/2015 9:39:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-10 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 10:15:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-016B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
gamma-BHC	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
gamma-Chlordane	ND	6.49	11	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Heptachlor	ND	2.16	3.2	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Heptachlor epoxide	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Hexachlorobenzene	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Hexachlorocyclopentadiene	ND	3.24	3.2	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Methoxychlor	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Toxaphene	ND	13.5	27	U	µg/Kg-dry	1	9/22/2015 9:39:00 PM
Surr: DCB	65.1	0	16-148		%REC	1	9/22/2015 9:39:00 PM
Surr: DCB	69.3	0	16-148		%REC	1	9/22/2015 9:39:00 PM
Surr: TCX	50.9	0	19-145		%REC	1	9/22/2015 9:39:00 PM
Surr: TCX	54.7	0	19-145		%REC	1	9/22/2015 9:39:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	8.94	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	16000	1.09	4.34	D	mg/Kg-dry	10	9/17/2015 11:27:57 AM
Antimony	ND	0.22	0.543	U	mg/Kg-dry	1	9/17/2015 10:38:44 AM
Arsenic	4.81	0.22	0.543		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Barium	51.9	0.22	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Beryllium	ND	0.11	0.434	U	mg/Kg-dry	1	9/17/2015 10:38:44 AM
Cadmium	ND	0.11	0.434	U	mg/Kg-dry	1	9/17/2015 10:38:44 AM
Calcium	790	0.22	0.543		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Chromium	24.5	0.11	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Cobalt	ND	0.11	0.434	U	mg/Kg-dry	1	9/17/2015 10:38:44 AM
Copper	38.9	0.11	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Iron	21000	2.17	4.34	D	mg/Kg-dry	10	9/17/2015 11:27:57 AM
Lead	32.0	0.22	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Magnesium	3320	0.11	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Manganese	217	0.11	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Nickel	17.0	0.11	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Potassium	1450	0.22	0.543		mg/Kg-dry	1	9/17/2015 10:38:44 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-016B

Client Sample ID: SB-10 (0-2')
 Collection Date: 9/11/2015 10:15:00 AM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.218	0.22	0.543	J	mg/Kg-dry	1	9/17/2015 10:38:44 AM
Silver	ND	0.11	0.434	U	mg/Kg-dry	1	9/17/2015 10:38:44 AM
Sodium	267	0.22	0.543		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Thallium	ND	0.33	0.543	U	mg/Kg-dry	1	9/17/2015 10:38:44 AM
Vanadium	31.9	0.11	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
Zinc	48.4	0.11	0.434		mg/Kg-dry	1	9/17/2015 10:38:44 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
1,2,4-Trichlorobenzene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
1,2-Dichlorobenzene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
1,3-Dichlorobenzene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
1,4-Dichlorobenzene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2,4,5-Trichlorophenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2,4,6-Trichlorophenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2,4-Dichlorophenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2,4-Dimethylphenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2,4-Dinitrophenol	ND	54.6	550	U*	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2,4-Dinitrotoluene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2,6-Dinitrotoluene	ND	54.6	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2-Chloronaphthalene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2-Chlorophenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2-Methylnaphthalene	31	27.3	270	J	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2-Methylphenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2-Nitroaniline	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
2-Nitrophenol	ND	54.6	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
3+4-Methylphenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
3,3'-Dichlorobenzidine	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
3-Nitroaniline	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
4,6-Dinitro-2-methylphenol	ND	54.6	550	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
4-Bromophenyl phenyl ether	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
4-Chloro-3-methylphenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
4-Chloroaniline	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM

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 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-10 (0-2')
Lab Order:	1509097	Collection Date:	9/11/2015 10:15:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-016B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
4-Nitroaniline	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
4-Nitrophenol	ND	54.6	550	U*	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Acenaphthene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Acenaphthylene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Acetophenone	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Aniline	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Anthracene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Atrazine	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Azobenzene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzaldehyde	ND	54.6	550	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzidine	ND	54.6	550	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzo(a)anthracene	ND	27.3	270	Um	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzo(a)pyrene	ND	27.3	160	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzo(b)fluoranthene	ND	27.3	270	Um	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzo(g,h,i)perylene	35	27.3	270	J	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzo(k)fluoranthene	ND	27.3	270	Um	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzoic acid	ND	54.6	550	U*	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Benzyl alcohol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Bis(2-chloroethoxy)methane	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Bis(2-chloroethyl)ether	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Bis(2-chloroisopropyl)ether	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Bis(2-ethylhexyl)phthalate	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Butyl benzyl phthalate	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Caprolactam	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Carbazole	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Chrysene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Di-n-butyl phthalate	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Di-n-octyl phthalate	ND	54.6	550	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Dibenzo(a,h)anthracene	ND	27.3	160	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Dibenzofuran	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Diethyl phthalate	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Dimethyl phthalate	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-10 (0-2')
Lab Order:	1509097	Collection Date:	9/11/2015 10:15:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-016B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Fluorene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Hexachlorobenzene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Hexachlorobutadiene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Hexachlorocyclopentadiene	ND	54.6	270	U*	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Hexachloroethane	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Indeno(1,2,3-c,d)pyrene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Isophorone	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
N-Nitrosodi-n-propylamine	ND	27.3	160	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
N-Nitrosodimethylamine	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
N-Nitrosodiphenylamine	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Naphthalene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Nitrobenzene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Parathion	ND	54.6	550	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Pentachlorophenol	ND	54.6	550	U*	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Phenanthrene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Phenol	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Pyrene	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Pyridine	ND	27.3	270	U	µg/Kg-dry	1	9/18/2015 8:22:00 PM
Surr: 2,4,6-Tribromophenol	71.5	0	13-137		%REC	1	9/18/2015 8:22:00 PM
Surr: 2-Fluorobiphenyl	70.7	0	15-128		%REC	1	9/18/2015 8:22:00 PM
Surr: 2-Fluorophenol	66.9	0	18-120		%REC	1	9/18/2015 8:22:00 PM
Surr: 4-Terphenyl-d14	74.0	0	10-138		%REC	1	9/18/2015 8:22:00 PM
Surr: Nitrobenzene-d5	63.1	0	10-128		%REC	1	9/18/2015 8:22:00 PM
Surr: Phenol-d6	63.0	0	10-122		%REC	1	9/18/2015 8:22:00 PM



ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-10 (5-7')
Lab Order: 1509097	Collection Date: 9/11/2015 10:30:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-017A	

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	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,1,1-Trichloroethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,1,2,2-Tetrachloroethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,1,2-Trichloroethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,1-Dichloroethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,1-Dichloroethene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,1-Dichloropropene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2,3-Trichlorobenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2,3-Trichloropropane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2,4-Trichlorobenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2,4-Trimethylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2-Dibromo-3-chloropropane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2-Dibromoethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2-Dichlorobenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2-Dichloroethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,2-Dichloropropane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,3,5-Trimethylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,3-Dichlorobenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,3-dichloropropane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,4-Dichlorobenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
1,4-Dioxane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
2,2-Dichloropropane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
2-Butanone	ND	5.44	11	U*	µg/Kg-dry	1	9/24/2015 6:02:00 PM
2-Chloroethyl vinyl ether	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
2-Chlorotoluene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
2-Hexanone	ND	5.44	11	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
2-Propanol	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
4-Chlorotoluene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
4-Isopropyltoluene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
4-Methyl-2-pentanone	ND	5.44	11	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Acetone	ND	5.44	11	U*	µg/Kg-dry	1	9/24/2015 6:02:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-10 (5-7')
Lab Order: 1509097	Collection Date: 9/11/2015 10:30:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-017A	

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	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Bromobenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Bromochloromethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Bromodichloromethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Bromoform	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Bromomethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Carbon disulfide	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Carbon tetrachloride	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Chlorobenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Chlorodifluoromethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Chloroethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Chloroform	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Chloromethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
cis-1,2-Dichloroethene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
cis-1,3-Dichloropropene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Cyclohexane	ND	2.18	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Dibromochloromethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Dibromomethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Dichlorodifluoromethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Diisopropyl ether	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Ethanol	ND	10.9	22	U*	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Ethylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Freon-114	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Hexachlorobutadiene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Isopropylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
m,p-Xylene	ND	2.18	11	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Methyl Acetate	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Methyl tert-butyl ether	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Methylene chloride	5.9	5.44	11	BJ*	µg/Kg-dry	1	9/24/2015 6:02:00 PM
n-Butylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
n-Propylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Naphthalene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
o-Xylene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: SB-10 (5-7')

Lab Order: 1509097

Collection Date: 9/11/2015 10:30:00 AM

Project: 1815 West Farms Road, Bronx, NY

Matrix: SOIL

Lab ID: 1509097-017A

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	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
p-Ethyltoluene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
sec-Butylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Styrene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
t-Butyl alcohol	ND	2.72	5.4	U*	µg/Kg-dry	1	9/24/2015 6:02:00 PM
tert-Butylbenzene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Tetrachloroethene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Toluene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
trans-1,2-Dichloroethene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
trans-1,3-Dichloropropene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Trichloroethene	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Trichlorofluoromethane	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Vinyl acetate	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Vinyl chloride	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Acrolein	ND	13.6	27	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Acrylonitrile	ND	1.09	5.4	U	µg/Kg-dry	1	9/24/2015 6:02:00 PM
Surr: 4-Bromofluorobenzene	91.9	0	48-136		%REC	1	9/24/2015 6:02:00 PM
Surr: Dibromofluoromethane	105	0	44-154		%REC	1	9/24/2015 6:02:00 PM
Surr: Toluene-d8	101	0	58-141		%REC	1	9/24/2015 6:02:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-10 (5-7')
Lab Order: 1509097	Collection Date: 9/11/2015 10:30:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-017B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
			SW7471B		SW7471B		Analyst: JP
Mercury	ND	0.008	0.0155	U	mg/Kg-dry	1	9/17/2015 10:35:10 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
			SW8082A		SW3546		Analyst: SB
Aroclor 1016	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Aroclor 1221	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Aroclor 1232	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Aroclor 1242	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Aroclor 1248	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Aroclor 1254	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Aroclor 1260	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Aroclor 1262	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Aroclor 1268	ND	10.8	22	U	µg/Kg-dry	1	9/23/2015 7:37:00 AM
Surr: DCB	48.4	0	18-143		%REC	1	9/23/2015 7:37:00 AM
Surr: DCB	49.1	0	18-143		%REC	1	9/23/2015 7:37:00 AM
Surr: TCX	54.4	0	18-146		%REC	1	9/23/2015 7:37:00 AM
Surr: TCX	54.3	0	18-146		%REC	1	9/23/2015 7:37:00 AM
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
4,4'-DDD	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
4,4'-DDE	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
4,4'-DDT	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Aldrin	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
alpha-BHC	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
alpha-Chlordane	ND	6.48	11	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
beta-BHC	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Chlorobenzilate	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
DBCP	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
delta-BHC	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Dieldrin	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Endosulfan I	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Endosulfan II	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Endosulfan sulfate	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Endrin	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Endrin aldehyde	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-017B

Client Sample ID: SB-10 (5-7')
Collection Date: 9/11/2015 10:30:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
gamma-BHC	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
gamma-Chlordane	ND	6.48	11	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Heptachlor	ND	2.16	3.2	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Heptachlor epoxide	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Hexachlorobenzene	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Hexachlorocyclopentadiene	ND	3.24	3.2	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Methoxychlor	ND	1.08	2.7	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Toxaphene	ND	13.5	27	U	µg/Kg-dry	1	9/22/2015 9:53:00 PM
Surr: DCB	65.5	0	16-148		%REC	1	9/22/2015 9:53:00 PM
Surr: DCB	70.8	0	16-148		%REC	1	9/22/2015 9:53:00 PM
Surr: TCX	34.5	0	19-145		%REC	1	9/22/2015 9:53:00 PM
Surr: TCX	39.5	0	19-145		%REC	1	9/22/2015 9:53:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	9.56	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	8870	1.11	4.42	D	mg/Kg-dry	10	9/17/2015 11:29:59 AM
Antimony	ND	0.22	0.553	U	mg/Kg-dry	1	9/17/2015 10:40:45 AM
Arsenic	2.60	0.22	0.553		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Barium	43.4	0.22	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Beryllium	ND	0.11	0.442	U	mg/Kg-dry	1	9/17/2015 10:40:45 AM
Cadmium	ND	0.11	0.442	U	mg/Kg-dry	1	9/17/2015 10:40:45 AM
Calcium	1340	0.22	0.553		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Chromium	12.8	0.11	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Cobalt	ND	0.11	0.442	U	mg/Kg-dry	1	9/17/2015 10:40:45 AM
Copper	12.2	0.11	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Iron	14000	2.21	4.42	D	mg/Kg-dry	10	9/17/2015 11:29:59 AM
Lead	5.32	0.22	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Magnesium	2540	0.11	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Manganese	373	0.11	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Nickel	12.0	0.11	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Potassium	1330	0.22	0.553		mg/Kg-dry	1	9/17/2015 10:40:45 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-017B

Client Sample ID: SB-10 (5-7')
Collection Date: 9/11/2015 10:30:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	ND	0.22	0.553	U	mg/Kg-dry	1	9/17/2015 10:40:45 AM
Silver	ND	0.11	0.442	U	mg/Kg-dry	1	9/17/2015 10:40:45 AM
Sodium	69.4	0.22	0.553		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Thallium	ND	0.33	0.553	U	mg/Kg-dry	1	9/17/2015 10:40:45 AM
Vanadium	19.6	0.11	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
Zinc	37.3	0.11	0.442		mg/Kg-dry	1	9/17/2015 10:40:45 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
1,2,4-Trichlorobenzene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
1,2-Dichlorobenzene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
1,3-Dichlorobenzene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
1,4-Dichlorobenzene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2,4,5-Trichlorophenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2,4,6-Trichlorophenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2,4-Dichlorophenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2,4-Dimethylphenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2,4-Dinitrophenol	ND	54.7	550	U*	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2,4-Dinitrotoluene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2,6-Dinitrotoluene	ND	54.7	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2-Chloronaphthalene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2-Chlorophenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2-Methylnaphthalene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2-Methylphenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2-Nitroaniline	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
2-Nitrophenol	ND	54.7	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
3+4-Methylphenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
3,3'-Dichlorobenzidine	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
3-Nitroaniline	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
4,6-Dinitro-2-methylphenol	ND	54.7	550	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
4-Bromophenyl phenyl ether	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
4-Chloro-3-methylphenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
4-Chloroaniline	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-10 (5-7')
Lab Order:	1509097	Collection Date:	9/11/2015 10:30:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-017B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
4-Nitroaniline	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
4-Nitrophenol	ND	54.7	550	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Acenaphthene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Acenaphthylene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Acetophenone	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Aniline	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Anthracene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Atrazine	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Azobenzene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzaldehyde	ND	54.7	550	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzidine	ND	54.7	550	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzo(a)anthracene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzo(a)pyrene	ND	27.4	160	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzo(b)fluoranthene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzo(g,h,i)perylene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzo(k)fluoranthene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzoic acid	ND	54.7	550	U*	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Benzyl alcohol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Bis(2-chloroethoxy)methane	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Bis(2-chloroethyl)ether	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Bis(2-chloroisopropyl)ether	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Bis(2-ethylhexyl)phthalate	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Butyl benzyl phthalate	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Caprolactam	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Carbazole	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Chrysene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Di-n-butyl phthalate	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Di-n-octyl phthalate	ND	54.7	550	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Dibenzo(a,h)anthracene	ND	27.4	160	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Dibenzofuran	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Diethyl phthalate	34	27.4	270	J	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Dimethyl phthalate	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-10 (5-7')
Lab Order: 1509097	Collection Date: 9/11/2015 10:30:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-017B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Fluorene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Hexachlorobenzene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Hexachlorobutadiene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Hexachlorocyclopentadiene	ND	54.7	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Hexachloroethane	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Indeno(1,2,3-c,d)pyrene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Isophorone	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
N-Nitrosodi-n-propylamine	ND	27.4	160	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
N-Nitrosodimethylamine	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
N-Nitrosodiphenylamine	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Naphthalene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Nitrobenzene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Parathion	ND	54.7	550	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Pentachlorophenol	ND	54.7	550	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Phenanthrene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Phenol	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Pyrene	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Pyridine	ND	27.4	270	U	µg/Kg-dry	1	9/22/2015 7:23:00 PM
Surr: 2,4,6-Tribromophenol	88.4	0	13-137		%REC	1	9/22/2015 7:23:00 PM
Surr: 2-Fluorobiphenyl	88.2	0	15-128		%REC	1	9/22/2015 7:23:00 PM
Surr: 2-Fluorophenol	83.8	0	18-120		%REC	1	9/22/2015 7:23:00 PM
Surr: 4-Terphenyl-d14	88.4	0	10-138		%REC	1	9/22/2015 7:23:00 PM
Surr: Nitrobenzene-d5	81.4	0	10-128		%REC	1	9/22/2015 7:23:00 PM
Surr: Phenol-d6	77.6	0	10-122		%REC	1	9/22/2015 7:23:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-11 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 11:10:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-018A	

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	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,1,1-Trichloroethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,1,2,2-Tetrachloroethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,1,2-Trichloroethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,1-Dichloroethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,1-Dichloroethene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,1-Dichloropropene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2,3-Trichlorobenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2,3-Trichloropropane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2,4-Trichlorobenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2,4-Trimethylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2-Dibromo-3-chloropropane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2-Dibromoethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2-Dichlorobenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2-Dichloroethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,2-Dichloropropane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,3,5-Trimethylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,3-Dichlorobenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,3-dichloropropane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,4-Dichlorobenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
1,4-Dioxane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
2,2-Dichloropropane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
2-Butanone	ND	5.82	12	U*	µg/Kg-dry	1	9/24/2015 6:29:00 PM
2-Chloroethyl vinyl ether	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
2-Chlorotoluene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
2-Hexanone	ND	5.82	12	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
2-Propanol	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
4-Chlorotoluene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
4-Isopropyltoluene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
4-Methyl-2-pentanone	ND	5.82	12	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Acetone	ND	5.82	12	U*	µg/Kg-dry	1	9/24/2015 6:29:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-018A

Client Sample ID: SB-11 (0-2')
Collection Date: 9/11/2015 11:10:00 AM
Matrix: SOIL

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	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Bromobenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Bromochloromethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Bromodichloromethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Bromoform	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Bromomethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Carbon disulfide	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Carbon tetrachloride	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Chlorobenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Chlorodifluoromethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Chloroethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Chloroform	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Chloromethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
cis-1,2-Dichloroethene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
cis-1,3-Dichloropropene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Cyclohexane	ND	2.33	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Dibromochloromethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Dibromomethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Dichlorodifluoromethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Diisopropyl ether	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Ethanol	ND	11.6	23	U*	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Ethylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Freon-114	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Hexachlorobutadiene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Isopropylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
m,p-Xylene	ND	2.33	12	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Methyl Acetate	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Methyl tert-butyl ether	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Methylene chloride	6.1	5.82	12	BJ*	µg/Kg-dry	1	9/24/2015 6:29:00 PM
n-Butylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
n-Propylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Naphthalene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
o-Xylene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-11 (0-2')
Lab Order:	1509097	Collection Date:	9/11/2015 11:10:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-018A		

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	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
p-Ethyltoluene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
sec-Butylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Styrene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
t-Butyl alcohol	ND	2.91	5.8	U*	µg/Kg-dry	1	9/24/2015 6:29:00 PM
tert-Butylbenzene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Tetrachloroethene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Toluene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
trans-1,2-Dichloroethene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
trans-1,3-Dichloropropene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Trichloroethene	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Trichlorofluoromethane	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Vinyl acetate	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Vinyl chloride	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Acrolein	ND	14.5	29	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Acrylonitrile	ND	1.16	5.8	U	µg/Kg-dry	1	9/24/2015 6:29:00 PM
Surr: 4-Bromofluorobenzene	93.9	0	48-136		%REC	1	9/24/2015 6:29:00 PM
Surr: Dibromofluoromethane	106	0	44-154		%REC	1	9/24/2015 6:29:00 PM
Surr: Toluene-d8	101	0	58-141		%REC	1	9/24/2015 6:29:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-11 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 11:10:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-018B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.0621	0.009	0.0166		mg/Kg-dry	1	9/17/2015 10:37:21 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Aroclor 1221	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Aroclor 1232	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Aroclor 1242	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Aroclor 1248	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Aroclor 1254	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Aroclor 1260	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Aroclor 1262	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Aroclor 1268	ND	11.6	23	U	µg/Kg-dry	1	9/23/2015 8:01:00 AM
Surr: DCB	52.6	0	18-143		%REC	1	9/23/2015 8:01:00 AM
Surr: DCB	53.9	0	18-143		%REC	1	9/23/2015 8:01:00 AM
Surr: TCX	57.2	0	18-146		%REC	1	9/23/2015 8:01:00 AM
Surr: TCX	54.6	0	18-146		%REC	1	9/23/2015 8:01:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
4,4'-DDE	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
4,4'-DDT	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Aldrin	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
alpha-BHC	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
alpha-Chlordane	ND	6.98	12	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
beta-BHC	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Chlorobenzilate	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
DBCP	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
delta-BHC	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Dieldrin	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Endosulfan I	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Endosulfan II	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Endosulfan sulfate	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Endrin	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Endrin aldehyde	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-11 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 11:10:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-018B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
gamma-BHC	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
gamma-Chlordane	ND	6.98	12	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Heptachlor	ND	2.33	3.5	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Heptachlor epoxide	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Hexachlorobenzene	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Hexachlorocyclopentadiene	ND	3.49	3.5	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Methoxychlor	ND	1.16	2.9	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Toxaphene	ND	14.5	29	U	µg/Kg-dry	1	9/22/2015 10:07:00 PM
Surr: DCB	65.0	0	16-148		%REC	1	9/22/2015 10:07:00 PM
Surr: DCB	64.9	0	16-148		%REC	1	9/22/2015 10:07:00 PM
Surr: TCX	37.6	0	19-145		%REC	1	9/22/2015 10:07:00 PM
Surr: TCX	37.8	0	19-145		%REC	1	9/22/2015 10:07:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	14.1	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	15100	1.16	4.64	D	mg/Kg-dry	10	9/17/2015 11:32:00 AM
Antimony	ND	0.23	0.580	U	mg/Kg-dry	1	9/17/2015 10:42:47 AM
Arsenic	4.12	0.23	0.580		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Barium	92.9	0.23	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Beryllium	ND	0.12	0.464	U	mg/Kg-dry	1	9/17/2015 10:42:47 AM
Cadmium	1.25	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Calcium	3870	0.23	0.580		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Chromium	17.4	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Cobalt	ND	0.12	0.464	U	mg/Kg-dry	1	9/17/2015 10:42:47 AM
Copper	39.8	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Iron	20200	2.32	4.64	D	mg/Kg-dry	10	9/17/2015 11:32:00 AM
Lead	98.9	0.23	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Magnesium	3430	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Manganese	307	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Nickel	14.3	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Potassium	1150	0.23	0.580		mg/Kg-dry	1	9/17/2015 10:42:47 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-018B

Client Sample ID: SB-11 (0-2')
Collection Date: 9/11/2015 11:10:00 AM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Selenium	0.268	0.23	0.580	J	mg/Kg-dry	1	9/17/2015 10:42:47 AM
Silver	4.08	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Sodium	74.7	0.23	0.580		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Thallium	ND	0.35	0.580	U	mg/Kg-dry	1	9/17/2015 10:42:47 AM
Vanadium	28.4	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
Zinc	69.9	0.12	0.464		mg/Kg-dry	1	9/17/2015 10:42:47 AM
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
1,2,4-Trichlorobenzene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
1,2-Dichlorobenzene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
1,3-Dichlorobenzene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
1,4-Dichlorobenzene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2,4,5-Trichlorophenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2,4,6-Trichlorophenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2,4-Dichlorophenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2,4-Dimethylphenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2,4-Dinitrophenol	ND	57.8	580	U*	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2,4-Dinitrotoluene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2,6-Dinitrotoluene	ND	57.8	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2-Chloronaphthalene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2-Chlorophenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2-Methylnaphthalene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2-Methylphenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2-Nitroaniline	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
2-Nitrophenol	ND	57.8	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
3+4-Methylphenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
3,3'-Dichlorobenzidine	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
3-Nitroaniline	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
4,6-Dinitro-2-methylphenol	ND	57.8	580	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
4-Bromophenyl phenyl ether	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
4-Chloro-3-methylphenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
4-Chloroaniline	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-11 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 11:10:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-018B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
4-Nitroaniline	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
4-Nitrophenol	ND	57.8	580	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Acenaphthene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Acenaphthylene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Acetophenone	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Aniline	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Anthracene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Atrazine	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Azobenzene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzaldehyde	ND	57.8	580	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzidine	ND	57.8	580	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzo(a)anthracene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzo(a)pyrene	ND	28.9	170	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzo(b)fluoranthene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzo(g,h,i)perylene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzo(k)fluoranthene	ND	28.9	290	Um	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzoic acid	ND	57.8	580	U*	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Benzyl alcohol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Bis(2-chloroethoxy)methane	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Bis(2-chloroethyl)ether	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Bis(2-chloroisopropyl)ether	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Bis(2-ethylhexyl)phthalate	30	28.9	290	J	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Butyl benzyl phthalate	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Caprolactam	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Carbazole	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Chrysene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Di-n-butyl phthalate	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Di-n-octyl phthalate	ND	57.8	580	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Dibenzo(a,h)anthracene	ND	28.9	170	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Dibenzofuran	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Diethyl phthalate	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Dimethyl phthalate	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-11 (0-2')
Lab Order:	1509097	Collection Date:	9/11/2015 11:10:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-018B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Fluorene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Hexachlorobenzene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Hexachlorobutadiene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Hexachlorocyclopentadiene	ND	57.8	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Hexachloroethane	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Indeno(1,2,3-c,d)pyrene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Isophorone	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
N-Nitrosodi-n-propylamine	ND	28.9	170	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
N-Nitrosodimethylamine	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
N-Nitrosodiphenylamine	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Naphthalene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Nitrobenzene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Parathion	ND	57.8	580	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Pentachlorophenol	ND	57.8	580	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Phenanthrene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Phenol	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Pyrene	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Pyridine	ND	28.9	290	U	µg/Kg-dry	1	9/22/2015 7:49:00 PM
Surr: 2,4,6-Tribromophenol	62.5	0	13-137		%REC	1	9/22/2015 7:49:00 PM
Surr: 2-Fluorobiphenyl	68.5	0	15-128		%REC	1	9/22/2015 7:49:00 PM
Surr: 2-Fluorophenol	58.4	0	18-120		%REC	1	9/22/2015 7:49:00 PM
Surr: 4-Terphenyl-d14	63.9	0	10-138		%REC	1	9/22/2015 7:49:00 PM
Surr: Nitrobenzene-d5	59.8	0	10-128		%REC	1	9/22/2015 7:49:00 PM
Surr: Phenol-d6	53.8	0	10-122		%REC	1	9/22/2015 7:49:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-019A

Client Sample ID: SB-11 (5-7')
Collection Date: 9/11/2015 11:20:00 AM
Matrix: SOIL

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	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,1,1-Trichloroethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,1,2,2-Tetrachloroethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,1,2-Trichloroethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,1-Dichloroethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,1-Dichloroethene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,1-Dichloropropene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2,3-Trichlorobenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2,3-Trichloropropane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2,4-Trichlorobenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2,4-Trimethylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2-Dibromo-3-chloropropane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2-Dibromoethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2-Dichlorobenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2-Dichloroethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,2-Dichloropropane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,3,5-Trimethylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,3-Dichlorobenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,3-dichloropropane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,4-Dichlorobenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
1,4-Dioxane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
2,2-Dichloropropane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
2-Butanone	ND	5.55	11	U*	µg/Kg-dry	1	9/24/2015 6:57:00 PM
2-Chloroethyl vinyl ether	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
2-Chlorotoluene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
2-Hexanone	ND	5.55	11	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
2-Propanol	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
4-Chlorotoluene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
4-Isopropyltoluene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
4-Methyl-2-pentanone	ND	5.55	11	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Acetone	ND	5.55	11	U*	µg/Kg-dry	1	9/24/2015 6:57:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-019A

Client Sample ID: SB-11 (5-7')
Collection Date: 9/11/2015 11:20:00 AM
Matrix: SOIL

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	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Bromobenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Bromochloromethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Bromodichloromethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Bromoform	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Bromomethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Carbon disulfide	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Carbon tetrachloride	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Chlorobenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Chlorodifluoromethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Chloroethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Chloroform	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Chloromethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
cis-1,2-Dichloroethene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
cis-1,3-Dichloropropene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Cyclohexane	ND	2.22	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Dibromochloromethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Dibromomethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Dichlorodifluoromethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Diisopropyl ether	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Ethanol	ND	11.1	22	U*	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Ethylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Freon-114	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Hexachlorobutadiene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Isopropylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
m,p-Xylene	ND	2.22	11	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Methyl Acetate	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Methyl tert-butyl ether	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Methylene chloride	5.8	5.55	11	BJ*	µg/Kg-dry	1	9/24/2015 6:57:00 PM
n-Butylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
n-Propylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Naphthalene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
o-Xylene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-11 (5-7')
Lab Order:	1509097	Collection Date:	9/11/2015 11:20:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-019A		

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	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
p-Ethyltoluene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
sec-Butylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Styrene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
t-Butyl alcohol	ND	2.77	5.5	U*	µg/Kg-dry	1	9/24/2015 6:57:00 PM
tert-Butylbenzene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Tetrachloroethene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Toluene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
trans-1,2-Dichloroethene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
trans-1,3-Dichloropropene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Trichloroethene	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Trichlorofluoromethane	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Vinyl acetate	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Vinyl chloride	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Acrolein	ND	13.9	28	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Acrylonitrile	ND	1.11	5.5	U	µg/Kg-dry	1	9/24/2015 6:57:00 PM
Surr: 4-Bromofluorobenzene	90.4	0	48-136		%REC	1	9/24/2015 6:57:00 PM
Surr: Dibromofluoromethane	106	0	44-154		%REC	1	9/24/2015 6:57:00 PM
Surr: Toluene-d8	101	0	58-141		%REC	1	9/24/2015 6:57:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-11 (5-7')
Lab Order:	1509097	Collection Date:	9/11/2015 11:20:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-019B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.0390	0.009	0.0167		mg/Kg-dry	1	9/17/2015 10:39:30 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: SB
Aroclor 1016	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Aroclor 1221	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Aroclor 1232	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Aroclor 1242	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Aroclor 1248	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Aroclor 1254	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Aroclor 1260	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Aroclor 1262	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Aroclor 1268	ND	11.3	23	U	µg/Kg-dry	1	9/23/2015 8:25:00 AM
Surr: DCB	51.1	0	18-143		%REC	1	9/23/2015 8:25:00 AM
Surr: DCB	53.8	0	18-143		%REC	1	9/23/2015 8:25:00 AM
Surr: TCX	53.2	0	18-146		%REC	1	9/23/2015 8:25:00 AM
Surr: TCX	50.0	0	18-146		%REC	1	9/23/2015 8:25:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
4,4'-DDE	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
4,4'-DDT	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Aldrin	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
alpha-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
alpha-Chlordane	ND	6.76	11	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
beta-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Chlorobenzilate	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
DBCP	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
delta-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Dieldrin	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Endosulfan I	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Endosulfan II	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Endosulfan sulfate	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Endrin	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Endrin aldehyde	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-11 (5-7')
Lab Order: 1509097	Collection Date: 9/11/2015 11:20:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-019B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							Analyst: SB
	SW8081B						
	SW3546						
Endrin ketone	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
gamma-BHC	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
gamma-Chlordane	ND	6.76	11	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Heptachlor	ND	2.25	3.4	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Heptachlor epoxide	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Hexachlorobenzene	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Hexachlorocyclopentadiene	ND	3.38	3.4	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Methoxychlor	ND	1.13	2.8	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Toxaphene	ND	14.1	28	U	µg/Kg-dry	1	9/22/2015 10:22:00 PM
Surr: DCB	64.6	0	16-148		%REC	1	9/22/2015 10:22:00 PM
Surr: DCB	71.0	0	16-148		%REC	1	9/22/2015 10:22:00 PM
Surr: TCX	33.8	0	19-145		%REC	1	9/22/2015 10:22:00 PM
Surr: TCX	33.9	0	19-145		%REC	1	9/22/2015 10:22:00 PM
PERCENT MOISTURE							Analyst: KK
	D2216						
Percent Moisture	12.0	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							Analyst: JP
	SW6010C						
	SW3050B						
Aluminum	12900	1.11	4.45	D	mg/Kg-dry	10	9/17/2015 11:34:01 AM
Antimony	ND	0.22	0.557	U	mg/Kg-dry	1	9/17/2015 10:44:49 AM
Arsenic	3.78	0.22	0.557		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Barium	35.7	0.22	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Beryllium	ND	0.11	0.445	U	mg/Kg-dry	1	9/17/2015 10:44:49 AM
Cadmium	ND	0.11	0.445	U	mg/Kg-dry	1	9/17/2015 10:44:49 AM
Calcium	608	0.22	0.557		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Chromium	18.1	0.11	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Cobalt	ND	0.11	0.445	U	mg/Kg-dry	1	9/17/2015 10:44:49 AM
Copper	15.5	0.11	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Iron	18200	2.23	4.45	D	mg/Kg-dry	10	9/17/2015 11:34:01 AM
Lead	8.28	0.22	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Magnesium	2760	0.11	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Manganese	242	0.11	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Nickel	12.9	0.11	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Potassium	1160	0.22	0.557		mg/Kg-dry	1	9/17/2015 10:44:49 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-019B

Client Sample ID: SB-11 (5-7')
 Collection Date: 9/11/2015 11:20:00 AM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	ND	0.22	0.557	U	mg/Kg-dry	1	9/17/2015 10:44:49 AM
Silver	ND	0.11	0.445	U	mg/Kg-dry	1	9/17/2015 10:44:49 AM
Sodium	313	0.22	0.557		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Thallium	ND	0.33	0.557	U	mg/Kg-dry	1	9/17/2015 10:44:49 AM
Vanadium	28.5	0.11	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
Zinc	30.9	0.11	0.445		mg/Kg-dry	1	9/17/2015 10:44:49 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
1,2,4-Trichlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
1,2-Dichlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
1,3-Dichlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
1,4-Dichlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2,4,5-Trichlorophenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2,4,6-Trichlorophenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2,4-Dichlorophenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2,4-Dimethylphenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2,4-Dinitrophenol	ND	56.4	560	U*	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2,4-Dinitrotoluene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2,6-Dinitrotoluene	ND	56.4	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2-Chloronaphthalene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2-Chlorophenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2-Methylnaphthalene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2-Methylphenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2-Nitroaniline	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
2-Nitrophenol	ND	56.4	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
3+4-Methylphenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
3,3'-Dichlorobenzidine	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
3-Nitroaniline	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
4,6-Dinitro-2-methylphenol	ND	56.4	560	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
4-Bromophenyl phenyl ether	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
4-Chloro-3-methylphenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
4-Chloroaniline	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-11 (5-7')
Lab Order: 1509097	Collection Date: 9/11/2015 11:20:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-019B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
4-Nitroaniline	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
4-Nitrophenol	ND	56.4	560	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Acenaphthene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Acenaphthylene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Acetophenone	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Aniline	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Anthracene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Atrazine	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Azobenzene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzaldehyde	ND	56.4	560	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzidine	ND	56.4	560	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzo(a)anthracene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzo(a)pyrene	ND	28.2	170	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzo(b)fluoranthene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzo(g,h,i)perylene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzo(k)fluoranthene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzoic acid	ND	56.4	560	U*	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Benzyl alcohol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Bis(2-chloroethoxy)methane	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Bis(2-chloroethyl)ether	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Bis(2-chloroisopropyl)ether	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Bis(2-ethylhexyl)phthalate	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Butyl benzyl phthalate	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Caprolactam	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Carbazole	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Chrysene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Di-n-butyl phthalate	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Di-n-octyl phthalate	ND	56.4	560	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Dibenzo(a,h)anthracene	ND	28.2	170	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Dibenzofuran	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Diethyl phthalate	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Dimethyl phthalate	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-11 (5-7')
Lab Order: 1509097	Collection Date: 9/11/2015 11:20:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-019B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Fluorene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Hexachlorobenzene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Hexachlorobutadiene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Hexachlorocyclopentadiene	ND	56.4	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Hexachloroethane	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Indeno(1,2,3-c,d)pyrene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Isophorone	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
N-Nitrosodi-n-propylamine	ND	28.2	170	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
N-Nitrosodimethylamine	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
N-Nitrosodiphenylamine	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Naphthalene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Nitrobenzene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Parathion	ND	56.4	560	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Pentachlorophenol	ND	56.4	560	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Phenanthrene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Phenol	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Pyrene	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Pyridine	ND	28.2	280	U	µg/Kg-dry	1	9/22/2015 8:14:00 PM
Surr: 2,4,6-Tribromophenol	36.5	0	13-137		%REC	1	9/22/2015 8:14:00 PM
Surr: 2-Fluorobiphenyl	48.5	0	15-128		%REC	1	9/22/2015 8:14:00 PM
Surr: 2-Fluorophenol	38.8	0	18-120		%REC	1	9/22/2015 8:14:00 PM
Surr: 4-Terphenyl-d14	34.8	0	10-138		%REC	1	9/22/2015 8:14:00 PM
Surr: Nitrobenzene-d5	36.3	0	10-128		%REC	1	9/22/2015 8:14:00 PM
Surr: Phenol-d6	33.7	0	10-122		%REC	1	9/22/2015 8:14:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	SB-12 (0-2')
Lab Order:	1509097	Collection Date:	9/11/2015 12:00:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	SOIL
Lab ID:	1509097-020A		

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	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,1,1-Trichloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,1,2,2-Tetrachloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,1,2-Trichloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,1-Dichloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,1-Dichloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,1-Dichloropropene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2,3-Trichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2,3-Trichloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2,4-Trichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2,4-Trimethylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2-Dibromo-3-chloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2-Dibromoethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2-Dichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2-Dichloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,2-Dichloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,3,5-Trimethylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,3-Dichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,3-dichloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,4-Dichlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
1,4-Dioxane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
2,2-Dichloropropane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
2-Butanone	ND	5.89	12	U*	µg/Kg-dry	1	9/24/2015 7:25:00 PM
2-Chloroethyl vinyl ether	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
2-Chlorotoluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
2-Hexanone	ND	5.89	12	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
2-Propanol	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
4-Chlorotoluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
4-Isopropyltoluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
4-Methyl-2-pentanone	ND	5.89	12	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Acetone	ND	5.89	12	U*	µg/Kg-dry	1	9/24/2015 7:25:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-12 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 12:00:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-020A	

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	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Bromobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Bromochloromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Bromodichloromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Bromoform	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Bromomethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Carbon disulfide	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Carbon tetrachloride	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Chlorobenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Chlorodifluoromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Chloroethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Chloroform	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Chloromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
cis-1,2-Dichloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
cis-1,3-Dichloropropene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Cyclohexane	ND	2.36	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Dibromochloromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Dibromomethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Dichlorodifluoromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Diisopropyl ether	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Ethanol	ND	11.8	24	U*	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Ethylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Freon-114	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Hexachlorobutadiene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Isopropylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
m,p-Xylene	ND	2.36	12	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Methyl Acetate	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Methyl tert-butyl ether	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Methylene chloride	6.3	5.89	12	BJ*	µg/Kg-dry	1	9/24/2015 7:25:00 PM
n-Butylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
n-Propylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Naphthalene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
o-Xylene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: SB-12 (0-2')

Lab Order: 1509097

Collection Date: 9/11/2015 12:00:00 PM

Project: 1815 West Farms Road, Bronx, NY

Matrix: SOIL

Lab ID: 1509097-020A

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	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
p-Ethyltoluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
sec-Butylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Styrene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
t-Butyl alcohol	ND	2.95	5.9	U*	µg/Kg-dry	1	9/24/2015 7:25:00 PM
tert-Butylbenzene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Tetrachloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Toluene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
trans-1,2-Dichloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
trans-1,3-Dichloropropene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Trichloroethene	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Trichlorofluoromethane	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Vinyl acetate	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Vinyl chloride	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Acrolein	ND	14.7	29	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Acrylonitrile	ND	1.18	5.9	U	µg/Kg-dry	1	9/24/2015 7:25:00 PM
Surr: 4-Bromofluorobenzene	92.9	0	48-136		%REC	1	9/24/2015 7:25:00 PM
Surr: Dibromofluoromethane	106	0	44-154		%REC	1	9/24/2015 7:25:00 PM
Surr: Toluene-d8	102	0	58-141		%REC	1	9/24/2015 7:25:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-12 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 12:00:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-020B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.982	0.04	0.0832	D	mg/Kg-dry	5	9/17/2015 11:14:46 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: JP
Aroclor 1016	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Aroclor 1221	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Aroclor 1232	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Aroclor 1242	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Aroclor 1248	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Aroclor 1254	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Aroclor 1260	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Aroclor 1262	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Aroclor 1268	ND	11.8	24	U	µg/Kg-dry	1	9/23/2015 8:49:00 AM
Surr: DCB	54.4	0	18-143		%REC	1	9/23/2015 8:49:00 AM
Surr: DCB	56.1	0	18-143		%REC	1	9/23/2015 8:49:00 AM
Surr: TCX	58.1	0	18-146		%REC	1	9/23/2015 8:49:00 AM
Surr: TCX	60.4	0	18-146		%REC	1	9/23/2015 8:49:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
4,4'-DDE	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
4,4'-DDT	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Aldrin	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
alpha-BHC	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
alpha-Chlordane	ND	7.06	12	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
beta-BHC	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Chlorobenzilate	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
DBCP	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
delta-BHC	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Dieldrin	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Endosulfan I	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Endosulfan II	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Endosulfan sulfate	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Endrin	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Endrin aldehyde	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-12 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 12:00:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-020B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
gamma-BHC	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
gamma-Chlordane	ND	7.06	12	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Heptachlor	ND	2.35	3.5	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Heptachlor epoxide	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Hexachlorobenzene	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Hexachlorocyclopentadiene	ND	3.53	3.5	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Methoxychlor	ND	1.18	2.9	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Toxaphene	ND	14.7	29	U	µg/Kg-dry	1	9/22/2015 11:49:00 PM
Surr: DCB	70.3	0	16-148		%REC	1	9/22/2015 11:49:00 PM
Surr: DCB	73.7	0	16-148		%REC	1	9/22/2015 11:49:00 PM
Surr: TCX	41.5	0	19-145		%REC	1	9/22/2015 11:49:00 PM
Surr: TCX	41.6	0	19-145		%REC	1	9/22/2015 11:49:00 PM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	15.0	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	13200	1.17	4.69	D	mg/Kg-dry	10	9/17/2015 11:36:02 AM
Antimony	ND	0.23	0.586	U	mg/Kg-dry	1	9/17/2015 10:46:49 AM
Arsenic	6.87	0.23	0.586		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Barium	163	0.23	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Beryllium	ND	0.12	0.469	U	mg/Kg-dry	1	9/17/2015 10:46:49 AM
Cadmium	1.53	0.12	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Calcium	3690	0.23	0.586		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Chromium	20.1	0.12	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Cobalt	ND	0.12	0.469	U	mg/Kg-dry	1	9/17/2015 10:46:49 AM
Copper	44.1	0.12	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Iron	17500	2.34	4.69	D	mg/Kg-dry	10	9/17/2015 11:36:02 AM
Lead	875	0.23	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Magnesium	2700	0.12	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Manganese	304	0.12	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Nickel	16.5	0.12	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Potassium	1090	0.23	0.586		mg/Kg-dry	1	9/17/2015 10:46:49 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-020B

Client Sample ID: SB-12 (0-2')
Collection Date: 9/11/2015 12:00:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Selenium	0.412	0.23	0.586	J	mg/Kg-dry	1	9/17/2015 10:46:49 AM
Silver	0.294	0.12	0.469	J	mg/Kg-dry	1	9/17/2015 10:46:49 AM
Sodium	219	0.23	0.586		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Thallium	ND	0.35	0.586	U	mg/Kg-dry	1	9/17/2015 10:46:49 AM
Vanadium	28.6	0.12	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
Zinc	231	0.12	0.469		mg/Kg-dry	1	9/17/2015 10:46:49 AM
SEMIVOLATILE SW-846 METHOD 8270							
			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
1,2,4-Trichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
1,2-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
1,3-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
1,4-Dichlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2,4,5-Trichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2,4,6-Trichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2,4-Dichlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2,4-Dimethylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2,4-Dinitrophenol	ND	58.4	580	U*	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2,4-Dinitrotoluene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2,6-Dinitrotoluene	ND	58.4	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2-Chloronaphthalene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2-Chlorophenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2-Methylnaphthalene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2-Methylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
2-Nitrophenol	ND	58.4	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
3+4-Methylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
3,3'-Dichlorobenzidine	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
3-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
4,6-Dinitro-2-methylphenol	ND	58.4	580	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
4-Bromophenyl phenyl ether	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
4-Chloro-3-methylphenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
4-Chloroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-12 (0-2')
Lab Order: 1509097	Collection Date: 9/11/2015 12:00:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-020B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
4-Nitroaniline	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
4-Nitrophenol	ND	58.4	580	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Acenaphthene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Acenaphthylene	31	29.2	290	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Acetophenone	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Aniline	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Anthracene	31	29.2	290	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Atrazine	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Azobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzaldehyde	ND	58.4	580	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzidine	ND	58.4	580	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzo(a)anthracene	190	29.2	290	Jm	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzo(a)pyrene	160	29.2	180	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzo(b)fluoranthene	170	29.2	290	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzo(g,h,i)perylene	120	29.2	290	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzo(k)fluoranthene	160	29.2	290	Jm	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzoic acid	ND	58.4	580	U*	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Benzyl alcohol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Bis(2-chloroethoxy)methane	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Bis(2-chloroethyl)ether	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Bis(2-chloroisopropyl)ether	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Bis(2-ethylhexyl)phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Butyl benzyl phthalate	350	29.2	290		µg/Kg-dry	1	9/22/2015 8:40:00 PM
Caprolactam	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Carbazole	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Chrysene	220	29.2	290	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Di-n-butyl phthalate	37	29.2	290	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Di-n-octyl phthalate	ND	58.4	580	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Dibenzo(a,h)anthracene	36	29.2	180	Jm	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Dibenzofuran	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Diethyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Dimethyl phthalate	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-020B

Client Sample ID: SB-12 (0-2')
 Collection Date: 9/11/2015 12:00:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	360	29.2	290		µg/Kg-dry	1	9/22/2015 8:40:00 PM
Fluorene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Hexachlorobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Hexachlorobutadiene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Hexachlorocyclopentadiene	ND	58.4	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Hexachloroethane	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Indeno(1,2,3-c,d)pyrene	130	29.2	290	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Isophorone	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
N-Nitrosodi-n-propylamine	ND	29.2	180	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
N-Nitrosodimethylamine	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
N-Nitrosodiphenylamine	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Naphthalene	41	29.2	290	J	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Nitrobenzene	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Parathion	ND	58.4	580	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Pentachlorophenol	ND	58.4	580	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Phenanthrene	170	29.2	290	Jm	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Phenol	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Pyrene	360	29.2	290		µg/Kg-dry	1	9/22/2015 8:40:00 PM
Pyridine	ND	29.2	290	U	µg/Kg-dry	1	9/22/2015 8:40:00 PM
Surr: 2,4,6-Tribromophenol	66.6	0	13-137		%REC	1	9/22/2015 8:40:00 PM
Surr: 2-Fluorobiphenyl	71.9	0	15-128		%REC	1	9/22/2015 8:40:00 PM
Surr: 2-Fluorophenol	62.6	0	18-120		%REC	1	9/22/2015 8:40:00 PM
Surr: 4-Terphenyl-d14	60.3	0	10-138		%REC	1	9/22/2015 8:40:00 PM
Surr: Nitrobenzene-d5	56.1	0	10-128		%REC	1	9/22/2015 8:40:00 PM
Surr: Phenol-d6	57.6	0	10-122		%REC	1	9/22/2015 8:40:00 PM



American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-12 (3-5')
Lab Order: 1509097	Collection Date: 9/11/2015 12:30:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-021A	

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	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,1,1-Trichloroethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,1,2,2-Tetrachloroethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,1,2-Trichloroethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,1-Dichloroethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,1-Dichloroethene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,1-Dichloropropene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2,3-Trichlorobenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2,3-Trichloropropane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2,4,5-Tetramethylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2,4-Trichlorobenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2,4-Trimethylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2-Dibromo-3-chloropropane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2-Dibromoethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2-Dichlorobenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2-Dichloroethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,2-Dichloropropane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,3,5-Trimethylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,3-Dichlorobenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,3-dichloropropane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,4-Dichlorobenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
1,4-Dioxane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
2,2-Dichloropropane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
2-Butanone	ND	6.29	13	U*	µg/Kg-dry	1	9/24/2015 7:52:00 PM
2-Chloroethyl vinyl ether	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
2-Chlorotoluene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
2-Hexanone	ND	6.29	13	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
2-Propanol	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
4-Chlorotoluene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
4-Isopropyltoluene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
4-Methyl-2-pentanone	ND	6.29	13	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Acetone	ND	6.29	13	U*	µg/Kg-dry	1	9/24/2015 7:52:00 PM

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 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-021A

Client Sample ID: SB-12 (3-5')
Collection Date: 9/11/2015 12:30:00 PM
Matrix: SOIL

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	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Bromobenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Bromochloromethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Bromodichloromethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Bromoform	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Bromomethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Carbon disulfide	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Carbon tetrachloride	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Chlorobenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Chlorodifluoromethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Chloroethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Chloroform	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Chloromethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
cis-1,2-Dichloroethene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
cis-1,3-Dichloropropene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Cyclohexane	ND	2.52	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Dibromochloromethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Dibromomethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Dichlorodifluoromethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Diisopropyl ether	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Ethanol	ND	12.6	25	U*	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Ethylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Freon-114	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Hexachlorobutadiene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Isopropylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
m,p-Xylene	ND	2.52	13	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Methyl Acetate	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Methyl tert-butyl ether	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Methylene chloride	6.7	6.29	13	J*	µg/Kg-dry	1	9/24/2015 7:52:00 PM
n-Butylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
n-Propylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Naphthalene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
o-Xylene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-021A

Client Sample ID: SB-12 (3-5')
Collection Date: 9/11/2015 12:30:00 PM
Matrix: SOIL

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	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
p-Ethyltoluene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
sec-Butylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Styrene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
t-Butyl alcohol	ND	3.15	6.3	U*	µg/Kg-dry	1	9/24/2015 7:52:00 PM
tert-Butylbenzene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Tetrachloroethene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Toluene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
trans-1,2-Dichloroethene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
trans-1,3-Dichloropropene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Trichloroethene	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Trichlorofluoromethane	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Vinyl acetate	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Vinyl chloride	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Acrolein	ND	15.7	31	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Acrylonitrile	ND	1.26	6.3	U	µg/Kg-dry	1	9/24/2015 7:52:00 PM
Surr: 4-Bromofluorobenzene	90.8	0	48-136		%REC	1	9/24/2015 7:52:00 PM
Surr: Dibromofluoromethane	107	0	44-154		%REC	1	9/24/2015 7:52:00 PM
Surr: Toluene-d8	99.7	0	58-141		%REC	1	9/24/2015 7:52:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-021B

Client Sample ID: SB-12 (3-5')
Collection Date: 9/11/2015 12:30:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY							
Mercury	0.545	0.01	0.0184		mg/Kg-dry	1	9/17/2015 10:48:10 AM
PCB'S AS AROCLORS SW-846 METHOD 8082							
							Analyst: JP
							Analyst: SB
Aroclor 1016	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Aroclor 1221	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Aroclor 1232	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Aroclor 1242	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Aroclor 1248	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Aroclor 1254	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Aroclor 1260	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Aroclor 1262	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Aroclor 1268	ND	12.6	25	U	µg/Kg-dry	1	9/23/2015 9:13:00 AM
Surr: DCB	55.1	0	18-143		%REC	1	9/23/2015 9:13:00 AM
Surr: DCB	58.3	0	18-143		%REC	1	9/23/2015 9:13:00 AM
Surr: TCX	60.4	0	18-146		%REC	1	9/23/2015 9:13:00 AM
Surr: TCX	57.5	0	18-146		%REC	1	9/23/2015 9:13:00 AM
PESTICIDES SW-846 METHOD 8081							
							Analyst: SB
4,4'-DDD	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
4,4'-DDE	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
4,4'-DDT	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Aldrin	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
alpha-BHC	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
alpha-Chlordane	ND	7.57	13	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
beta-BHC	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Chlorobenzilate	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
DBCP	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
delta-BHC	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Dieldrin	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Endosulfan I	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Endosulfan II	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Endosulfan sulfate	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Endrin	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Endrin aldehyde	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-021B

Client Sample ID: SB-12 (3-5')
Collection Date: 9/11/2015 12:30:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081							
			SW8081B		SW3546		Analyst: SB
Endrin ketone	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
gamma-BHC	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
gamma-Chlordane	ND	7.57	13	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Heptachlor	ND	2.52	3.8	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Heptachlor epoxide	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Hexachlorobenzene	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Hexachlorocyclopentadiene	ND	3.78	3.8	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Methoxychlor	ND	1.26	3.2	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Toxaphene	ND	15.8	32	U	µg/Kg-dry	1	9/23/2015 12:03:00 AM
Surr: DCB	78.4	0	16-148		%REC	1	9/23/2015 12:03:00 AM
Surr: DCB	82.8	0	16-148		%REC	1	9/23/2015 12:03:00 AM
Surr: TCX	42.2	0	19-145		%REC	1	9/23/2015 12:03:00 AM
Surr: TCX	40.9	0	19-145		%REC	1	9/23/2015 12:03:00 AM
PERCENT MOISTURE							
			D2216				Analyst: KK
Percent Moisture	21.5	0	1.00		wt%	1	9/17/2015 10:08:31 AM
TOTAL METALS							
			SW6010C		SW3050B		Analyst: JP
Aluminum	12100	1.23	4.94	D	mg/Kg-dry	10	9/17/2015 11:38:04 AM
Antimony	ND	0.25	0.617	U	mg/Kg-dry	1	9/17/2015 10:48:50 AM
Arsenic	9.71	0.25	0.617		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Barium	179	0.25	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Beryllium	ND	0.12	0.494	U	mg/Kg-dry	1	9/17/2015 10:48:50 AM
Cadmium	ND	0.12	0.494	U	mg/Kg-dry	1	9/17/2015 10:48:50 AM
Calcium	2730	0.25	0.617		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Chromium	15.5	0.12	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Cobalt	ND	0.12	0.494	U	mg/Kg-dry	1	9/17/2015 10:48:50 AM
Copper	33.7	0.12	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Iron	14300	2.47	4.94	D	mg/Kg-dry	10	9/17/2015 11:38:04 AM
Lead	504	0.25	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Magnesium	2140	0.12	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Manganese	308	0.12	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Nickel	13.5	0.12	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Potassium	968	0.25	0.617		mg/Kg-dry	1	9/17/2015 10:48:50 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
 Lab Order: 1509097
 Project: 1815 West Farms Road, Bronx, NY
 Lab ID: 1509097-021B

Client Sample ID: SB-12 (3-5')
 Collection Date: 9/11/2015 12:30:00 PM
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
TOTAL METALS			SW6010C		SW3050B		Analyst: JP
Selenium	0.506	0.25	0.617	J	mg/Kg-dry	1	9/17/2015 10:48:50 AM
Silver	0.470	0.12	0.494	J	mg/Kg-dry	1	9/17/2015 10:48:50 AM
Sodium	238	0.25	0.617		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Thallium	ND	0.37	0.617	U	mg/Kg-dry	1	9/17/2015 10:48:50 AM
Vanadium	25.2	0.12	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
Zinc	71.2	0.12	0.494		mg/Kg-dry	1	9/17/2015 10:48:50 AM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Biphenyl	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
1,2,4-Trichlorobenzene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
1,2-Dichlorobenzene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
1,3-Dichlorobenzene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
1,4-Dichlorobenzene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2,4,5-Trichlorophenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2,4,6-Trichlorophenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2,4-Dichlorophenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2,4-Dimethylphenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2,4-Dinitrophenol	ND	63.4	630	U*	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2,4-Dinitrotoluene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2,6-Dinitrotoluene	ND	63.4	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2-Chloronaphthalene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2-Chlorophenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2-Methylnaphthalene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2-Methylphenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2-Nitroaniline	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
2-Nitrophenol	ND	63.4	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
3+4-Methylphenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
3,3'-Dichlorobenzidine	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
3-Nitroaniline	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
4,6-Dinitro-2-methylphenol	ND	63.4	630	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
4-Bromophenyl phenyl ether	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
4-Chloro-3-methylphenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
4-Chloroaniline	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM

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 Tel - (631) 454-6100 Fax - (631) 454-8027 www.american-analytical.com



ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: SB-12 (3-5')
Lab Order: 1509097	Collection Date: 9/11/2015 12:30:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: SOIL
Lab ID: 1509097-021B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
4-Chlorophenyl phenyl ether	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
4-Nitroaniline	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
4-Nitrophenol	ND	63.4	630	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Acenaphthene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Acenaphthylene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Acetophenone	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Aniline	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Anthracene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Atrazine	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Azobenzene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzaldehyde	ND	63.4	630	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzidine	ND	63.4	630	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzo(a)anthracene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzo(a)pyrene	ND	31.7	190	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzo(b)fluoranthene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzo(g,h,i)perylene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzo(k)fluoranthene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzoic acid	91	63.4	630	J*	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Benzyl alcohol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Bis(2-chloroethoxy)methane	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Bis(2-chloroethyl)ether	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Bis(2-chloroisopropyl)ether	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Bis(2-ethylhexyl)phthalate	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Butyl benzyl phthalate	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Caprolactam	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Carbazole	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Chrysene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Di-n-butyl phthalate	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Di-n-octyl phthalate	ND	63.4	630	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Dibenzo(a,h)anthracene	ND	31.7	190	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Dibenzofuran	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Diethyl phthalate	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Dimethyl phthalate	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM

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American Analytical Laboratories, LLC.

Date: 29-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509097
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509097-021B

Client Sample ID: SB-12 (3-5')
Collection Date: 9/11/2015 12:30:00 PM
Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3546		Analyst: MH
Fluoranthene	40	31.7	320	J	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Fluorene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Hexachlorobenzene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Hexachlorobutadiene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Hexachlorocyclopentadiene	ND	63.4	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Hexachloroethane	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Indeno(1,2,3-c,d)pyrene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Isophorone	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
N-Nitrosodi-n-propylamine	ND	31.7	190	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
N-Nitrosodimethylamine	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
N-Nitrosodiphenylamine	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Naphthalene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Nitrobenzene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Parathion	ND	63.4	630	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Pentachlorophenol	ND	63.4	630	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Phenanthrene	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Phenol	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Pyrene	33	31.7	320	J	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Pyridine	ND	31.7	320	U	µg/Kg-dry	1	9/22/2015 9:06:00 PM
Surr: 2,4,6-Tribromophenol	51.6	0	13-137		%REC	1	9/22/2015 9:06:00 PM
Surr: 2-Fluorobiphenyl	68.4	0	15-128		%REC	1	9/22/2015 9:06:00 PM
Surr: 2-Fluorophenol	29.3	0	18-120		%REC	1	9/22/2015 9:06:00 PM
Surr: 4-Terphenyl-d14	54.3	0	10-138		%REC	1	9/22/2015 9:06:00 PM
Surr: Nitrobenzene-d5	53.9	0	10-128		%REC	1	9/22/2015 9:06:00 PM
Surr: Phenol-d6	34.7	0	10-122		%REC	1	9/22/2015 9:06:00 PM

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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6382

Sample ID	MBS091615A	SampType:	MBLK	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11009
Client ID:	PBS	Batch ID:	6382	TestNo:	SW6010C	SW3050B		Analysis Date:	9/16/2015	SeqNo:	203268
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6382

Sample ID	LCSS091615A	SampType:	LCS	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11009
Client ID:	LCSS	Batch ID:	6382	TestNo:	SW6010C	SW3050B		Analysis Date:	9/16/2015	SeqNo:	203269
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	39.6	0.400	40.00	0	98.9	80	120				
Antimony	40.8	0.500	40.00	0	102	80	120				
Arsenic	40.3	0.500	40.00	0	101	80	120				
Barium	40.1	0.400	40.00	0	100	80	120				
Beryllium	40.9	0.400	40.00	0	102	80	120				
Cadmium	40.6	0.400	40.00	0	101	80	120				
Calcium	40.3	0.500	40.00	0	101	80	120				
Chromium	40.2	0.400	40.00	0	100	80	120				
Cobalt	40.6	0.400	40.00	0	102	80	120				
Copper	40.7	0.400	40.00	0	102	80	120				
Iron	40.0	0.400	40.00	0	99.9	80	120				
Lead	38.8	0.400	40.00	0	97.1	80	120				
Magnesium	41.1	0.400	40.00	0	103	80	120				
Manganese	39.8	0.400	40.00	0	99.5	80	120				
Nickel	39.7	0.400	40.00	0	99.2	80	120				
Potassium	397	0.500	400.0	0	99.3	80	120				
Selenium	40.4	0.500	40.00	0	101	80	120				
Silver	39.3	0.400	40.00	0	98.3	80	120				
Sodium	39.2	0.500	40.00	0	98.0	80	120				
Thallium	39.7	0.500	40.00	0	99.1	80	120				
Vanadium	40.5	0.400	40.00	0	101	80	120				
Zinc	39.8	0.400	40.00	0	99.6	80	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6382

Sample ID	1509084-004AMS	SampType:	MS	TestCode:	ICPSCAN_S	Units:	mg/Kg-dry	Prep Date:	9/16/2015	RunNo:	11009
Client ID:	BatchQC	Batch ID:	6382	TestNo:	SW6010C	SW3050B		Analysis Date:	9/16/2015	SeqNo:	203274
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	18.0	0.544	21.77	0.2975	81.1	75	125				
Arsenic	23.4	0.544	21.77	4.075	89.0	75	125				
Beryllium	16.5	0.435	21.77	0	75.7	75	125				
Cadmium	19.0	0.435	21.77	0.2333	86.3	75	125				
Chromium	35.1	0.435	21.77	17.11	82.6	75	125				
Copper	52.1	0.435	21.77	33.22	86.5	75	125				
Lead	147	0.435	21.77	134.0	61.5	75	125				S
Nickel	34.0	0.435	21.77	17.17	77.3	75	125				
Selenium	19.0	0.544	21.77	0.8809	83.3	75	125				
Silver	18.3	0.435	21.77	0.1357	83.7	75	125				
Thallium	14.3	0.544	21.77	0	65.8	75	125				S
Zinc	166	0.435	21.77	152.0	64.4	75	125				S

Sample ID	1509084-004AMSD	SampType:	MSD	TestCode:	ICPSCAN_S	Units:	mg/Kg-dry	Prep Date:	9/16/2015	RunNo:	11009
Client ID:	BatchQC	Batch ID:	6382	TestNo:	SW6010C	SW3050B		Analysis Date:	9/16/2015	SeqNo:	203275
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	18.6	0.549	21.94	0.2975	83.5	75	125	17.95	3.59	20	
Arsenic	23.6	0.549	21.94	4.075	89.2	75	125	23.44	0.853	20	
Beryllium	16.2	0.439	21.94	0	74.0	75	125	16.48	1.44	20	S
Cadmium	19.1	0.439	21.94	0.2333	86.0	75	125	19.02	0.406	20	
Chromium	35.2	0.439	21.94	17.11	82.4	75	125	35.08	0.292	20	
Copper	52.2	0.439	21.94	33.22	86.6	75	125	52.06	0.290	20	
Lead	148	0.439	21.94	134.0	63.5	75	125	147.4	0.367	20	S
Nickel	34.1	0.439	21.94	17.17	77.4	75	125	34.01	0.415	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6382

Sample ID	1509084-004AMSD	SampType:	MSD	TestCode:	ICPSCAN_S	Units:	mg/Kg-dry	Prep Date:	9/16/2015	RunNo:	11009
Client ID:	BatchQC	Batch ID:	6382	TestNo:	SW6010C		SW3050B	Analysis Date:	9/16/2015	SeqNo:	203275
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	19.2	0.549	21.94	0.8809	83.4	75	125	19.00	0.943	20	
Silver	18.4	0.439	21.94	0.1357	83.0	75	125	18.35	0.0373	20	
Thallium	14.3	0.549	21.94	0	65.4	75	125	14.33	0.0665	20	S
Zinc	167	0.439	21.94	152.0	66.8	75	125	166.0	0.377	20	S

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6383

Sample ID	MB091615B	SampType:	MBLK	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11018
Client ID:	PBS	Batch ID:	6383	TestNo:	SW6010C	SW3050B		Analysis Date:	9/17/2015	SeqNo:	203534
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
Molybdenum	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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6383

Sample ID	LCSS091615B	SampType:	LCS	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11018
Client ID:	LCSS	Batch ID:	6383	TestNo:	SW6010C	SW3050B		Analysis Date:	9/17/2015	SeqNo:	203535
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	39.5	0.400	40.00	0	98.8	80	120				
Antimony	39.0	0.500	40.00	0	97.4	80	120				
Arsenic	39.2	0.500	40.00	0	98.0	80	120				
Barium	39.6	0.400	40.00	0	99.0	80	120				
Beryllium	39.1	0.400	40.00	0	97.8	80	120				
Cadmium	39.2	0.400	40.00	0	97.9	80	120				
Calcium	37.6	0.500	40.00	0	93.9	80	120				
Chromium	39.3	0.400	40.00	0	98.2	80	120				
Cobalt	39.2	0.400	40.00	0	97.9	80	120				
Copper	39.7	0.400	40.00	0	99.2	80	120				
Iron	39.0	0.400	40.00	0	97.5	80	120				
Lead	39.0	0.400	40.00	0	97.5	80	120				
Magnesium	38.9	0.400	40.00	0	97.2	80	120				
Manganese	38.9	0.400	40.00	0	97.3	80	120				
Molybdenum	39.4	0.400	40.00	0	98.4	80	120				
Nickel	39.0	0.400	40.00	0	97.4	80	120				
Potassium	400	0.500	400.0	0	100	80	120				
Selenium	39.2	0.500	40.00	0	98.1	80	120				
Silver	39.3	0.400	40.00	0	98.2	80	120				
Sodium	39.0	0.500	40.00	0	97.5	80	120				
Thallium	39.0	0.500	40.00	0	97.4	80	120				
Vanadium	39.2	0.400	40.00	0	98.0	80	120				
Zinc	39.1	0.400	40.00	0	97.7	80	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1509097**
29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6383

Sample ID	1509113-001AMS	SampType:	MS	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11018			
Client ID:	BatchQC	Batch ID:	6383	TestNo:	SW6010C		SW3050B	Analysis Date:	9/17/2015	SeqNo:	203546			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		18.0		0.400	20.00	0		90.2	75	125				

Sample ID	1509113-001AMSD	SampType:	MSD	TestCode:	ICPSCAN_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11018			
Client ID:	BatchQC	Batch ID:	6383	TestNo:	SW6010C		SW3050B	Analysis Date:	9/17/2015	SeqNo:	203547			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead		18.2		0.400	20.00	0		90.9	75	125	18.04	0.804	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6388

Sample ID	MBS091615A	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11006			
Client ID:	PBS	Batch ID:	6388	TestNo:	SW7471B	SW7471B		Analysis Date:	9/17/2015	SeqNo:	203101			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND		0.0150										U

Sample ID	LCSS091615A	SampType:	LCS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11006			
Client ID:	LCSS	Batch ID:	6388	TestNo:	SW7471B	SW7471B		Analysis Date:	9/17/2015	SeqNo:	203102			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.206		0.0150	0.2000	0		103	80	120				

Sample ID	1509084-004AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg-dry	Prep Date:	9/16/2015	RunNo:	11006			
Client ID:	BatchQC	Batch ID:	6388	TestNo:	SW7471B	SW7471B		Analysis Date:	9/17/2015	SeqNo:	203107			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.355		0.0161	0.2151	0.1361		102	75	125				

Sample ID	1509084-004AMSD	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg-dry	Prep Date:	9/16/2015	RunNo:	11006			
Client ID:	BatchQC	Batch ID:	6388	TestNo:	SW7471B	SW7471B		Analysis Date:	9/17/2015	SeqNo:	203108			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.365		0.0165	0.2194	0.1361		104	75	125	0.3555	2.73	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6389

Sample ID	MBS091615B	SampType:	MBLK	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11008			
Client ID:	PBS	Batch ID:	6389	TestNo:	SW7471B	SW7471B		Analysis Date:	9/17/2015	SeqNo:	203133			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		ND		0.0150										U

Sample ID	LCSS091615B	SampType:	LCS	TestCode:	HG_S	Units:	mg/Kg	Prep Date:	9/16/2015	RunNo:	11008			
Client ID:	LCSS	Batch ID:	6389	TestNo:	SW7471B	SW7471B		Analysis Date:	9/17/2015	SeqNo:	203134			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.209		0.0150	0.2000	0		104	80	120				

Sample ID	1509112-001AMS	SampType:	MS	TestCode:	HG_S	Units:	mg/Kg-dry	Prep Date:	9/16/2015	RunNo:	11008			
Client ID:	BatchQC	Batch ID:	6389	TestNo:	SW7471B	SW7471B		Analysis Date:	9/17/2015	SeqNo:	203156			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		1.41		0.0651	0.8677	0.5978		93.1	75	125				

Sample ID	1509112-001AMSD	SampType:	MSD	TestCode:	HG_S	Units:	mg/Kg-dry	Prep Date:	9/16/2015	RunNo:	11008			
Client ID:	BatchQC	Batch ID:	6389	TestNo:	SW7471B	SW7471B		Analysis Date:	9/17/2015	SeqNo:	203157			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		1.39		0.0651	0.8677	0.5978		91.6	75	125	1.406	0.930	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	MB-6395	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	PBS	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/17/2015	SeqNo:	203443
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	MB-6395	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	PBS	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/17/2015	SeqNo:	203443
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									Um

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	MB-6395	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	PBS	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/17/2015	SeqNo:	203443
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	1300		2000		63.5	13	137				
Surr: 2-Fluorobiphenyl	780		1000		77.6	15	128				
Surr: 2-Fluorophenol	1500		2000		73.6	18	120				
Surr: 4-Terphenyl-d14	830		1000		83.2	10	138				
Surr: Nitrobenzene-d5	690		1000		69.2	10	128				
Surr: Phenol-d6	1300		2000		66.6	10	122				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	MB-6395	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11014			
Client ID:	PBS	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/17/2015	SeqNo:	203443			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	LCS-6395	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11014			
Client ID:	LCSS	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/17/2015	SeqNo:	203444			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl		ND		250		0		0	28	126				U
1,2,4-Trichlorobenzene		1700		250	2000	0		86.6	20	126				
1,2-Dichlorobenzene		1600		250	2000	0		81.5	23	128				
1,3-Dichlorobenzene		1600		250	2000	0		79.3	22	121				
1,4-Dichlorobenzene		1700		250	2000	0		83.9	20	128				
2,4,5-Trichlorophenol		ND		250		0		0	23	135				U
2,4,6-Trichlorophenol		1800		250	2000	0		88.3	20	128				
2,4-Dichlorophenol		1700		250	2000	0		86.1	20	125				
2,4-Dimethylphenol		1800		250	2000	0		87.6	16	122				
2,4-Dinitrophenol		330		500	2000	0		16.7	1	112				J*
2,4-Dinitrotoluene		1800		250	2000	0		88.6	20	127				
2,6-Dinitrotoluene		1700		250	2000	0		83.6	12	125				
2-Chloronaphthalene		1900		250	2000	0		95.2	21	124				
2-Chlorophenol		1700		250	2000	0		85.9	23	133				
2-Methylnaphthalene		ND		250		0		0	22	120				U
2-Methylphenol		ND		250		0		0	24	130				U
2-Nitroaniline		1800		250	2000	0		87.6	14	115				
2-Nitrophenol		1700		250	2000	0		83.1	15	129				
3+4-Methylphenol		ND		250		0		0	18	140				U
3-Nitroaniline		1700		250	2000	0		83.6	14	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6395	LCS	8270_S	µg/Kg	9/17/2015	11014						
Client ID	Batch ID	TestNo	SW3546	Analysis Date	SeqNo						
LCSS	6395	SW8270D	SW3546	9/17/2015	203444						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	1300	500	2000	0	62.9	10	120				
4-Bromophenyl phenyl ether	1900	250	2000	0	93.7	21	134				
4-Chloro-3-methylphenol	1700	250	2000	0	83.2	16	132				
4-Chloroaniline	1400	250	2000	0	68.4	10	101				
4-Chlorophenyl phenyl ether	1800	250	2000	0	92.0	20	127				
4-Nitroaniline	1600	250	2000	0	81.3	20	133				
4-Nitrophenol	1300	500	2000	0	62.6	5	125				*
Acenaphthene	1900	250	2000	0	93.7	14	132				
Acenaphthylene	1900	250	2000	0	93.0	17	130				
Acetophenone	ND	250		0	0	34	129				U
Aniline	ND	250		0	0	5	105				U
Anthracene	1900	250	2000	0	95.8	20	132				
Azobenzene	ND	250		0	0	26	144				U
Benzo(a)anthracene	2000	250	2000	0	98.6	20	138				
Benzo(a)pyrene	2200	150	2000	0	108	14	130				
Benzo(b)fluoranthene	2100	250	2000	0	107	20	130				
Benzo(g,h,i)perylene	2200	250	2000	0	109	10	142				
Benzo(k)fluoranthene	2400	250	2000	0	118	20	137				
Benzoic acid	ND	500		0	0	1	114				U*
Benzyl alcohol	1600	250	2000	0	77.8	20	130				
Bis(2-chloroethoxy)methane	1800	250	2000	0	89.6	19	128				
Bis(2-chloroethyl)ether	1900	250	2000	0	93.8	20	139				
Bis(2-chloroisopropyl)ether	1800	250	2000	0	91.5	11	134				
Bis(2-ethylhexyl)phthalate	2000	250	2000	0	99.2	18	143				
Butyl benzyl phthalate	2000	250	2000	0	101	20	148				
Carbazole	1900	250	2000	0	94.0	21	135				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	LCS-6395	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/17/2015	RunNo: 11014					
Client ID: LCSS	Batch ID: 6395	TestNo: SW8270D	SW3546	Analysis Date: 9/17/2015	SeqNo: 203444						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	1900	250	2000	0	96.0	20	136				
Di-n-butyl phthalate	2000	250	2000	0	97.8	20	141				
Di-n-octyl phthalate	2300	500	2000	0	113	16	142				
Dibenzo(a,h)anthracene	2200	150	2000	0	112	11	140				
Dibenzofuran	ND	250		0	0	21	131				U
Diethyl phthalate	1900	250	2000	0	93.1	20	138				
Dimethyl phthalate	1800	250	2000	0	92.3	20	130				
Fluoranthene	1900	250	2000	0	96.4	16	130				
Fluorene	1900	250	2000	0	93.4	20	131				
Hexachlorobenzene	1900	250	2000	0	96.2	20	132				
Hexachlorobutadiene	1800	250	2000	0	90.9	20	126				
Hexachlorocyclopentadiene	960	250	2000	0	48.0	14	128				*
Hexachloroethane	1600	250	2000	0	82.2	20	132				
Indeno(1,2,3-c,d)pyrene	2000	250	2000	0	102	20	137				m
Isophorone	1700	250	2000	0	86.0	20	134				
N-Nitrosodi-n-propylamine	1600	150	2000	0	81.0	20	142				
N-Nitrosodimethylamine	1500	250	2000	0	74.0	15	138				
N-Nitrosodiphenylamine	1800	250	2000	0	91.3	5	100				
Naphthalene	1800	250	2000	0	90.2	20	131				
Nitrobenzene	1700	250	2000	0	85.9	21	131				
Parathion	ND	500		0	0	21	130				U
Pentachlorophenol	1000	500	2000	0	51.4	10	128				*
Phenanthrene	1900	250	2000	0	96.6	11	133				
Phenol	1600	250	2000	0	82.4	22	132				
Pyrene	2000	250	2000	0	99.6	11	137				
Pyridine	ND	250		0	0	1	101				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	LCS-6395	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11014			
Client ID:	LCSS	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/17/2015	SeqNo:	203444			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol		1700			2000			86.0	13	137				
Surr: 2-Fluorobiphenyl		880			1000			87.7	15	128				
Surr: 2-Fluorophenol		1600			2000			77.5	18	120				
Surr: 4-Terphenyl-d14		900			1000			90.3	10	138				
Surr: Nitrobenzene-d5		780			1000			77.9	10	128				
Surr: Phenol-d6		1600			2000			77.6	10	122				

Sample ID	1509097-001BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11014			
Client ID:	SB-1 (0-5)	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	203998			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl		ND		260		0		0	20	147				U
1,2,4-Trichlorobenzene		1600		260	2100	0		74.4	23	136				
1,2-Dichlorobenzene		1500		260	2100	0		71.3	17	137				
1,3-Dichlorobenzene		1500		260	2100	0		69.5	19	137				
1,4-Dichlorobenzene		1500		260	2100	0		72.6	17	139				
2,4,5-Trichlorophenol		ND		260		0		0	26	138				U
2,4,6-Trichlorophenol		1700		260	2100	0		81.6	21	143				
2,4-Dichlorophenol		1600		260	2100	0		76.8	20	144				
2,4-Dimethylphenol		1500		260	2100	0		70.0	24	139				
2,4-Dinitrophenol		310		520	2100	0		14.9	5	129				J*
2,4-Dinitrotoluene		1500		260	2100	0		73.0	10	144				
2,6-Dinitrotoluene		1500		260	2100	0		71.4	12	125				
2-Chloronaphthalene		1700		260	2100	0		81.0	25	143				
2-Chlorophenol		1600		260	2100	0		74.3	19	144				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	1509097-001BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	SB-1 (0-5')	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	203998
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	50	260		0	0	20	130				Jm
2-Methylphenol	ND	260		0	0	29	136				U
2-Nitroaniline	1600	260	2100	0	78.0	25	137				
2-Nitrophenol	1500	260	2100	0	73.2	13	139				
3+4-Methylphenol	ND	260		0	0	10	137				U
3-Nitroaniline	1200	260	2100	0	57.4	20	120				
4,6-Dinitro-2-methylphenol	800	520	2100	0	38.0	10	125				*
4-Bromophenyl phenyl ether	1700	260	2100	0	81.1	29	139				
4-Chloro-3-methylphenol	1600	260	2100	0	77.9	25	139				
4-Chloroaniline	680	260	2100	0	32.2	18	120				
4-Chlorophenyl phenyl ether	1700	260	2100	0	79.7	27	136				
4-Nitroaniline	1400	260	2100	0	64.9	23	130				
4-Nitrophenol	1500	520	2100	0	69.1	22	147				*
Acenaphthene	1700	260	2100	0	80.5	28	133				
Acenaphthylene	1700	260	2100	39.98	79.3	22	147				
Acetophenone	ND	260		0	0	20	135				U
Aniline	ND	260		0	0	10	110				U
Anthracene	1700	260	2100	61.38	79.1	24	140				
Azobenzene	ND	260		0	0	20	151				U
Benzo(a)anthracene	2000	260	2100	226.4	82.1	20	144				
Benzo(a)pyrene	2000	160	2100	226.1	84.4	21	143				
Benzo(b)fluoranthene	2200	260	2100	244.4	90.9	20	145				m
Benzo(g,h,i)perylene	1900	260	2100	168.7	82.7	20	143				
Benzo(k)fluoranthene	2000	260	2100	235.9	84.0	20	143				
Benzoic acid	ND	520		0	0	10	120				U*
Benzyl alcohol	1500	260	2100	0	69.3	25	125				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	1509097-001BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	SB-1 (0-5')	Batch ID:	6395	TestNo:	SW8270D		SW3546	Analysis Date:	9/18/2015	SeqNo:	203998
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	1600	260	2100	0	76.7	22	137				
Bis(2-chloroethyl)ether	1700	260	2100	0	79.2	20	143				
Bis(2-chloroisopropyl)ether	1700	260	2100	0	79.4	20	149				
Bis(2-ethylhexyl)phthalate	1900	260	2100	0	92.6	27	146				
Butyl benzyl phthalate	1900	260	2100	0	90.7	20	147				
Carbazole	1700	260	2100	0	79.0	27	120				
Chrysene	1900	260	2100	260.6	78.1	22	142				
Di-n-butyl phthalate	1800	260	2100	27.55	86.0	27	145				
Di-n-octyl phthalate	2200	520	2100	0	104	28	145				
Dibenzo(a,h)anthracene	1900	160	2100	47.71	86.3	23	142				
Dibenzofuran	ND	260		0	0	21	133				U
Diethyl phthalate	1700	260	2100	0	80.0	19	136				
Dimethyl phthalate	1600	260	2100	0	78.5	20	137				
Fluoranthene	2100	260	2100	435.7	80.3	20	147				
Fluorene	1700	260	2100	0	81.6	20	138				
Hexachlorobenzene	1700	260	2100	0	79.8	20	140				
Hexachlorobutadiene	1700	260	2100	0	78.7	20	136				
Hexachlorocyclopentadiene	ND	260	2100	0	0	4	139				SUm*
Hexachloroethane	1400	260	2100	0	64.5	13	139				
Indeno(1,2,3-c,d)pyrene	2000	260	2100	172.5	84.7	26	144				m
Isophorone	1600	260	2100	0	75.9	24	145				
N-Nitrosodi-n-propylamine	1500	160	2100	0	71.6	22	146				
N-Nitrosodimethylamine	1300	260	2100	0	62.3	17	134				
N-Nitrosodiphenylamine	1600	260	2100	0	75.4	16	143				
Naphthalene	1700	260	2100	29.57	78.1	13	143				
Nitrobenzene	1500	260	2100	0	73.7	20	138				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	1509097-001BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	SB-1 (0-5')	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	203998
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Parathion	ND	520		0	0	21	142				U
Pentachlorophenol	2500	520	2100	0	121	18	144				*
Phenanthrene	1900	260	2100	203.1	81.2	21	140				
Phenol	1500	260	2100	0	71.3	13	143				
Pyrene	2200	260	2100	416.8	84.9	19	144				
Pyridine	ND	260		0	0	17	120				U
Surr: 2,4,6-Tribromophenol	1600		2100		77.1	13	137				
Surr: 2-Fluorobiphenyl	750		1050		71.9	15	128				
Surr: 2-Fluorophenol	1400		2100		65.5	18	120				
Surr: 4-Terphenyl-d14	800		1050		75.8	10	138				
Surr: Nitrobenzene-d5	700		1050		67.0	10	128				
Surr: Phenol-d6	1300		2100		64.0	10	122				

Sample ID	1509097-001BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	SB-1 (0-5')	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	203998
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	260		0	0	20	147	0	0	20	U
1,2,4-Trichlorobenzene	1500	260	2101	0	71.6	23	136	1562	3.86	20	
1,2-Dichlorobenzene	1500	260	2101	0	69.3	17	137	1497	2.76	20	
1,3-Dichlorobenzene	1400	260	2101	0	67.3	19	137	1459	3.24	20	
1,4-Dichlorobenzene	1500	260	2101	0	70.6	17	139	1524	2.71	20	
2,4,5-Trichlorophenol	ND	260		0	0	26	138	0	0	20	U
2,4,6-Trichlorophenol	1600	260	2101	0	75.0	21	143	1712	8.37	20	
2,4-Dichlorophenol	1500	260	2101	0	70.7	20	144	1612	8.16	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	1509097-001BMSD	SampType: MSD	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 9/17/2015	RunNo: 11014					
Client ID: SB-1 (0-5')	Batch ID: 6395	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 203999						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	1300	260	2101	0	60.6	24	139	1469	14.3	20	
2,4-Dinitrophenol	100	530	2101	0	4.96	5	129	313.1	100	20	JRS*
2,4-Dinitrotoluene	1400	260	2101	0	66.1	10	144	1533	9.92	20	
2,6-Dinitrotoluene	1400	260	2101	0	67.2	12	125	1500	6.12	20	
2-Chloronaphthalene	1600	260	2101	0	75.8	25	143	1701	6.61	20	
2-Chlorophenol	1500	260	2101	0	71.0	19	144	1560	4.55	20	
2-Methylnaphthalene	44	260		0	0	20	130	49.99	12.4	20	J
2-Methylphenol	ND	260		0	0	29	136	0	0	20	U
2-Nitroaniline	1500	260	2101	0	71.1	25	137	1639	9.20	20	
2-Nitrophenol	1500	260	2101	0	69.1	13	139	1537	5.72	20	
3+4-Methylphenol	ND	260		0	0	10	137	0	0	20	U
3-Nitroaniline	1200	260	2101	0	56.5	20	120	1205	1.44	20	
4,6-Dinitro-2-methylphenol	460	530	2101	0	22.1	10	125	797.1	52.7	20	JR*
4-Bromophenyl phenyl ether	1600	260	2101	0	74.2	29	139	1702	8.80	20	
4-Chloro-3-methylphenol	1500	260	2101	0	70.8	25	139	1636	9.49	20	
4-Chloroaniline	690	260	2101	0	32.6	18	120	676.8	1.21	20	
4-Chlorophenyl phenyl ether	1600	260	2101	0	75.8	27	136	1674	4.98	20	
4-Nitroaniline	1300	260	2101	0	60.2	23	130	1362	7.40	20	
4-Nitrophenol	1300	530	2101	0	62.5	22	147	1452	10.1	20	*
Acenaphthene	1600	260	2101	0	75.4	28	133	1689	6.44	20	
Acenaphthylene	1600	260	2101	39.98	72.7	22	147	1706	8.45	20	
Acetophenone	ND	260		0	0	20	135	0	0	20	U
Aniline	ND	260		0	0	10	110	0	0	20	U
Anthracene	1600	260	2101	61.38	71.3	24	140	1721	9.86	20	
Azobenzene	ND	260		0	0	20	151	0	0	20	U
Benzo(a)anthracene	1700	260	2101	226.4	69.1	20	144	1950	15.0	20	

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S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	1509097-001BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	SB-1 (0-5')	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	203999
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1700	160	2101	226.1	67.8	21	143	1997	19.0	20	
Benzo(b)fluoranthene	1800	260	2101	244.4	75.3	20	145	2153	16.4	20	m
Benzo(g,h,i)perylene	1500	260	2101	168.7	63.8	20	143	1905	23.2	20	R
Benzo(k)fluoranthene	1700	260	2101	235.9	69.8	20	143	1999	16.0	20	
Benzoic acid	ND	530		0	0	10	120	0	0	20	U*
Benzyl alcohol	1400	260	2101	0	66.2	25	125	1455	4.58	20	
Bis(2-chloroethoxy)methane	1600	260	2101	0	74.7	22	137	1611	2.69	20	
Bis(2-chloroethyl)ether	1600	260	2101	0	77.1	20	143	1663	2.66	20	
Bis(2-chloroisopropyl)ether	1600	260	2101	0	76.6	20	149	1666	3.48	20	
Bis(2-ethylhexyl)phthalate	1700	260	2101	0	82.7	27	146	1945	11.3	20	
Butyl benzyl phthalate	1700	260	2101	0	82.8	20	147	1905	9.09	20	
Carbazole	1500	260	2101	0	71.1	27	120	1659	10.5	20	
Chrysene	1600	260	2101	260.6	66.0	22	142	1901	14.3	20	
Di-n-butyl phthalate	1700	260	2101	27.55	79.9	27	145	1834	7.16	20	
Di-n-octyl phthalate	2000	530	2101	0	93.2	28	145	2192	11.3	20	
Dibenzo(a,h)anthracene	1500	160	2101	47.71	70.1	23	142	1860	20.2	20	R
Dibenzofuran	ND	260		0	0	21	133	0	0	20	U
Diethyl phthalate	1600	260	2101	0	76.8	19	136	1679	4.02	20	
Dimethyl phthalate	1600	260	2101	0	76.2	20	137	1648	2.90	20	
Fluoranthene	1900	260	2101	435.7	71.2	20	147	2122	9.38	20	
Fluorene	1600	260	2101	0	74.5	20	138	1712	9.04	20	
Hexachlorobenzene	1500	260	2101	0	71.9	20	140	1676	10.5	20	
Hexachlorobutadiene	1600	260	2101	0	76.9	20	136	1653	2.26	20	
Hexachlorocyclopentadiene	ND	260	2101	0	0	4	139	0	0	20	SU*
Hexachloroethane	1200	260	2101	0	58.0	13	139	1353	10.5	20	
Indeno(1,2,3-c,d)pyrene	1600	260	2101	172.5	68.9	26	144	1951	18.5	20	m

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	1509097-001BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11014
Client ID:	SB-1 (0-5')	Batch ID:	6395	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	203999
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isophorone	1500	260	2101	0	73.5	24	145	1594	3.14	20	
N-Nitrosodi-n-propylamine	1500	160	2101	0	70.7	22	146	1504	1.32	20	
N-Nitrosodimethylamine	1200	260	2101	0	56.3	17	134	1307	9.95	20	
N-Nitrosodiphenylamine	1400	260	2101	0	67.4	16	143	1584	11.1	20	
Naphthalene	1600	260	2101	29.57	75.7	13	143	1669	3.04	20	
Nitrobenzene	1500	260	2101	0	71.6	20	138	1547	2.79	20	
Parathion	ND	530		0	0	21	142	0	0	20	U
Pentachlorophenol	2200	530	2101	0	103	18	144	2543	16.3	20	*
Phenanthrene	1700	260	2101	203.1	73.5	21	140	1908	8.79	20	
Phenol	1400	260	2101	0	67.6	13	143	1498	5.40	20	
Pyrene	2000	260	2101	416.8	74.9	19	144	2199	10.0	20	
Pyridine	ND	260		0	0	17	120	0	0	20	U
Surr: 2,4,6-Tribromophenol	1500		2101		71.1	13	137		0	20	
Surr: 2-Fluorobiphenyl	730		1050		69.1	15	128		0	20	
Surr: 2-Fluorophenol	1300		2101		63.5	18	120		0	20	
Surr: 4-Terphenyl-d14	710		1050		67.5	10	138		0	20	
Surr: Nitrobenzene-d5	680		1050		64.5	10	128		0	20	
Surr: Phenol-d6	1300		2101		62.4	10	122		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID MB-6395	SampType: MBLK	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/17/2015	RunNo: 11017						
Client ID: PBS	Batch ID: 6395	TestNo: SW8270D	SW3546	Analysis Date: 9/17/2015	SeqNo: 203466						
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-6395	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/17/2015	RunNo: 11017						
Client ID: LCSS	Batch ID: 6395	TestNo: SW8270D	SW3546	Analysis Date: 9/17/2015	SeqNo: 203467						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	1700	250	2000	0	85.2	10	106				
Atrazine	ND	250		0	0	20	130				U
Benzaldehyde	1400	500	2000	0	69.4	20	130				
Benzidine	710	500	2000	0	35.4	1	100				
Caprolactam	ND	250		0	0	20	130				U

Sample ID 1509097-001BMS	SampType: MS	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 9/17/2015	RunNo: 11017						
Client ID: SB-1 (0-5')	Batch ID: 6395	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 204018						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	760	260	2100	0	36.3	15	120				
Atrazine	ND	260		0	0	50	120				U
Benzaldehyde	1400	520	2100	0	66.4	20	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6395

Sample ID	1509097-001BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11017
Client ID:	SB-1 (0-5')	Batch ID:	6395	TestNo:	SW8270D		SW3546	Analysis Date:	9/18/2015	SeqNo:	204018
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine	ND	520	2100	0	0	1	137				SU
Caprolactam	ND	260		0	0	20	130				U

Sample ID	1509097-001BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/17/2015	RunNo:	11017
Client ID:	SB-1 (0-5')	Batch ID:	6395	TestNo:	SW8270D		SW3546	Analysis Date:	9/18/2015	SeqNo:	204019
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	720	260	2101	0	34.1	15	120	0	200	20	R
Atrazine	ND	260		0	0	50	120	0	0	20	U
Benzaldehyde	1400	530	2101	0	65.0	20	120	0	200	20	R
Benzidine	ND	530	2101	0	0	1	137	0	0	20	SU
Caprolactam	ND	260		0	0	20	130	0	0	20	U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6400

Sample ID	MB-6400	SampType:	MBLK	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11069
Client ID:	PBS	Batch ID:	6400	TestNo:	SW8082A	SW3546		Analysis Date:	9/21/2015	SeqNo:	204328
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
Surr: DCB	14		25.00		57.8	18	143				
Surr: TCX	17		25.00		69.4	18	146				

Sample ID	LCS-6400	SampType:	LCS	TestCode:	8082_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11069
Client ID:	LCSS	Batch ID:	6400	TestNo:	SW8082A	SW3546		Analysis Date:	9/21/2015	SeqNo:	205003
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	120	20	250.0	0	48.1	35	135				
Aroclor 1254	ND	20		0	0	34	145				U
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

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6400

Sample ID	LCS-6400	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 9/17/2015	RunNo: 11069					
Client ID:	LCSS	Batch ID: 6400	TestNo: SW8082A	SW3546	Analysis Date: 9/21/2015	SeqNo: 205003					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Surr: DCB	11		25.00		42.5	18	143				
Surr: TCX	16		25.00		64.5	18	146				

Sample ID	1509097-015BMS	SampType: MS	TestCode: 8082_S	Units: µg/Kg-dry	Prep Date: 9/17/2015	RunNo: 11069					
Client ID:	SB-9 (3-5')	Batch ID: 6400	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205022					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	ND	24		0	0	23	140				U
Aroclor 1221	ND	24		0	0	30	130				U
Aroclor 1232	ND	24		0	0	30	140				U
Aroclor 1242	ND	24		0	0	20	140				U
Aroclor 1248	160	24	299.1	0	54.7	35	135				
Aroclor 1254	ND	24		0	0	34	145				U
Aroclor 1260	ND	24		0	0	21	135				U
Aroclor 1262	ND	24		0	0	30	130				U
Aroclor 1268	ND	24		0	0	35	135				U
Surr: DCB	14		29.91		48.1	18	143				
Surr: TCX	21		29.91		69.2	18	146				

Sample ID	1509097-015BMSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg-dry	Prep Date: 9/17/2015	RunNo: 11069					
Client ID:	SB-9 (3-5')	Batch ID: 6400	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205023					
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6400

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Sample ID 1509097-015BMSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg-dry	Prep Date: 9/17/2015	RunNo: 11069						
Client ID: SB-9 (3-5')	Batch ID: 6400	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205023						
Aroclor 1016	ND	24		0	0	23	140	0	0	20	U
Aroclor 1221	ND	24		0	0	30	130	0	0	20	U
Aroclor 1232	ND	24		0	0	30	140	0	0	20	U
Aroclor 1242	ND	24		0	0	20	140	0	0	20	U
Aroclor 1248	140	24	301.0	0	47.0	35	135	163.7	14.6	20	
Aroclor 1254	ND	24		0	0	34	145	0	0	20	U
Aroclor 1260	ND	24		0	0	21	135	0	0	20	U
Aroclor 1262	ND	24		0	0	30	130	0	0	20	U
Aroclor 1268	ND	24		0	0	35	135	0	0	20	U
Surr: DCB	13		30.10		42.2	18	143		0	20	
Surr: TCX	16		30.10		54.3	18	146		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6400

Sample ID MB-6400	SampType: MBLK	TestCode: 8082_S	Units: %REC	Prep Date: 9/17/2015	RunNo: 11070						
Client ID: PBS	Batch ID: 6400	TestNo: SW8082A	SW3546	Analysis Date: 9/21/2015	SeqNo: 204335						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	16		25.00		65.5	18	143				
Surr: TCX	17		25.00		66.5	18	146				

Sample ID LCS-6400	SampType: LCS	TestCode: 8082_S	Units: %REC	Prep Date: 9/17/2015	RunNo: 11070						
Client ID: LCSS	Batch ID: 6400	TestNo: SW8082A	SW3546	Analysis Date: 9/21/2015	SeqNo: 205004						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	10		25.00		42.0	18	143				
Surr: TCX	15		25.00		59.5	18	146				

Sample ID 1509097-015BMS	SampType: MS	TestCode: 8082_S	Units: %REC	Prep Date: 9/17/2015	RunNo: 11070						
Client ID: SB-9 (3-5')	Batch ID: 6400	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205043						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	15		29.91		49.6	18	143				
Surr: TCX	18		29.91		61.3	18	146				

Sample ID 1509097-015BMSD	SampType: MSD	TestCode: 8082_S	Units: %REC	Prep Date: 9/17/2015	RunNo: 11070						
Client ID: SB-9 (3-5')	Batch ID: 6400	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205044						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	14		30.10		48.1	18	143		0	20	

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6400

Sample ID	1509097-015BMSD	SampType:	MSD	TestCode:	8082_S	Units:	%REC	Prep Date:	9/17/2015	RunNo:	11070		
Client ID:	SB-9 (3-5')	Batch ID:	6400	TestNo:	SW8082A	SW3546		Analysis Date:	9/22/2015	SeqNo:	205044		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr:	TCX		17		30.10		56.7	18	146		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6401

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6401	LCS	8081_S	µg/Kg	9/17/2015	11063						
Client ID	Batch ID	TestNo		Analysis Date	SeqNo						
LCSS	6401	SW8081B	SW3546	9/18/2015	204151						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.5		0	0	21	152				U
4,4'-DDE	ND	2.5		0	0	22	148				U
4,4'-DDT	ND	2.5		0	0	23	151				U
Aldrin	ND	2.5		0	0	29	150				U
alpha-BHC	ND	2.5		0	0	29	148				U
alpha-Chlordane	7.3	10		0	0	29	153				J
beta-BHC	ND	2.5		0	0	38	153				U
Chlorobenzilate	19	2.5	25.00	0	77.6	28	145				
DBCP	17	2.5	25.00	0	68.3	20	148				
delta-BHC	ND	2.5		0	0	31	152				U
Dieldrin	ND	2.5		0	0	32	146				U
Endosulfan I	ND	2.5		0	0	29	154				U
Endosulfan II	ND	2.5		0	0	20	147				U
Endosulfan sulfate	ND	2.5		0	0	21	153				U
Endrin	ND	2.5		0	0	22	152				U
Endrin aldehyde	ND	2.5		0	0	20	157				U
Endrin ketone	ND	2.5		0	0	28	155				U
gamma-BHC	ND	2.5		0	0	20	153				U
gamma-Chlordane	ND	10		0	0	20	157				PU
Heptachlor	2.5	3.0		0	0	33	153				J
Heptachlor epoxide	ND	2.5		0	0	29	153				U
Hexachlorobenzene	5.3	2.5	25.00	0	21.2	10	132				
Hexachlorocyclopentadiene	18	3.0	25.00	0	73.3	10	121				
Methoxychlor	ND	2.5		0	0	37	148				U
Toxaphene	ND	25		0	0	30	145				U
Surr: DCB	20		25.00		80.8	16	148				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6401

Sample ID	LCS-6401	SampType:	LCS	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11063			
Client ID:	LCSS	Batch ID:	6401	TestNo:	SW8081B	SW3546		Analysis Date:	9/18/2015	SeqNo:	204151			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr:	TCX	11			25.00			42.3	19	145				

Sample ID	MB-6401	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	9/17/2015	RunNo:	11063			
Client ID:	PBS	Batch ID:	6401	TestNo:	SW8081B	SW3546		Analysis Date:	9/18/2015	SeqNo:	204152			
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		10										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		10										PU

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6401

Sample ID MB-6401	SampType: MBLK	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/17/2015	RunNo: 11063						
Client ID: PBS	Batch ID: 6401	TestNo: SW8081B	SW3546	Analysis Date: 9/18/2015	SeqNo: 204152						
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	21		25.00		85.0	16	148				
Surr: TCX	12		25.00		48.9	19	145				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6401

Sample ID	LCS-6401	SampType:	LCS	TestCode:	8081_S	Units:	%REC	Prep Date:	9/17/2015	RunNo:	11064			
Client ID:	LCSS	Batch ID:	6401	TestNo:	SW8081B		SW3546	Analysis Date:	9/18/2015	SeqNo:	204179			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		22			25.00			88.0	16	148				
Surr: TCX		12			25.00			47.0	19	145				

Sample ID	MB-6401	SampType:	MBLK	TestCode:	8081_S	Units:	%REC	Prep Date:	9/17/2015	RunNo:	11064			
Client ID:	PBS	Batch ID:	6401	TestNo:	SW8081B		SW3546	Analysis Date:	9/18/2015	SeqNo:	204180			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB		24			25.00			94.6	16	148				
Surr: TCX		13			25.00			50.5	19	145				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID MB-6402	SampType: MBLK	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/18/2015	RunNo: 11067						
Client ID: PBS	Batch ID: 6402	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 204238						
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-6402	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/18/2015	RunNo: 11067						
Client ID: LCSS	Batch ID: 6402	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 204239						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	1400	250	2000	0	67.8	10	106				
Atrazine	1600	250	2000	0	81.4	20	130				
Benzaldehyde	1500	500	2000	0	76.6	20	130				
Benzidine	280	500	2000	0	14.2	1	100				J
Caprolactam	1500	250	2000	0	76.2	20	130				

Sample ID 1509097-016BMS	SampType: MS	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 9/18/2015	RunNo: 11067						
Client ID: SB-10 (0-2')	Batch ID: 6402	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 204241						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	770	270	2189	0	35.2	15	120				
Atrazine	1500	270	2189	0	67.5	50	120				
Benzaldehyde	1500	550	2189	0	66.4	20	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	1509097-016BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11067											
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D		SW3546	Analysis Date:	9/18/2015	SeqNo:	204241											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual
Benzidine		ND		550		2189		0		0		1		137								SU
Caprolactam		1100		270		2189		0		50.0		20		130								

Sample ID	1509097-016BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11067											
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D		SW3546	Analysis Date:	9/18/2015	SeqNo:	204242											
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC		LowLimit		HighLimit		RPD Ref Val		%RPD		RPDLimit		Qual
3,3'-Dichlorobenzidine		840		270		2196		0		38.5		15		120		0		200		20		R
Atrazine		1500		270		2196		0		67.9		50		120		0		200		20		R
Benzaldehyde		1500		550		2196		0		68.7		20		120		0		200		20		R
Benzidine		ND		550		2196		0		0		1		137		0		0		20		SU
Caprolactam		1100		270		2196		0		49.3		20		130		0		200		20		R

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	MB-6402	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	PBS	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204212
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	MB-6402	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	PBS	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204212
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

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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	MB-6402	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	PBS	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204212
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		73.2	13	137				
Surr: 2-Fluorobiphenyl	770		1000		76.9	15	128				
Surr: 2-Fluorophenol	1500		2000		76.0	18	120				
Surr: 4-Terphenyl-d14	910		1000		91.2	10	138				
Surr: Nitrobenzene-d5	710		1000		71.3	10	128				
Surr: Phenol-d6	1400		2000		71.6	10	122				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	MB-6402	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/18/2015	RunNo:	11066			
Client ID:	PBS	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204212			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	LCS-6402	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/18/2015	RunNo:	11066			
Client ID:	LCSS	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204213			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl		1600		250	2000	0		80.3	28	126				
1,2,4-Trichlorobenzene		1500		250	2000	0		77.1	20	126				
1,2-Dichlorobenzene		1500		250	2000	0		75.3	23	128				
1,3-Dichlorobenzene		1400		250	2000	0		72.3	22	121				
1,4-Dichlorobenzene		1500		250	2000	0		75.4	20	128				
2,4,5-Trichlorophenol		1600		250	2000	0		78.8	23	135				
2,4,6-Trichlorophenol		1500		250	2000	0		73.6	20	128				
2,4-Dichlorophenol		1600		250	2000	0		80.1	20	125				
2,4-Dimethylphenol		1600		250	2000	0		80.5	16	122				
2,4-Dinitrophenol		330		500	2000	0		16.6	1	112				J*
2,4-Dinitrotoluene		ND		250		0		0	20	127				U
2,6-Dinitrotoluene		ND		250		0		0	12	125				U
2-Chloronaphthalene		1700		250	2000	0		86.5	21	124				
2-Chlorophenol		1600		250	2000	0		80.1	23	133				
2-Methylnaphthalene		1500		250	2000	0		76.9	22	120				m
2-Methylphenol		1600		250	2000	0		78.5	24	130				
2-Nitroaniline		1500		250	2000	0		74.8	14	115				
2-Nitrophenol		1500		250	2000	0		75.0	15	129				
3+4-Methylphenol		3100		250	4000	0		78.3	18	140				
3-Nitroaniline		1300		250	2000	0		66.8	14	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	LCS-6402	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/18/2015	RunNo: 11066					
Client ID: LCSS	Batch ID: 6402	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 204213						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	1100	500	2000	0	54.6	10	120				
4-Bromophenyl phenyl ether	1700	250	2000	0	85.5	21	134				
4-Chloro-3-methylphenol	1600	250	2000	0	79.2	16	132				
4-Chloroaniline	940	250	2000	0	47.0	10	101				
4-Chlorophenyl phenyl ether	1600	250	2000	0	82.3	20	127				
4-Nitroaniline	1400	250	2000	0	67.7	20	133				
4-Nitrophenol	1100	500	2000	0	53.7	5	125				*
Acenaphthene	1600	250	2000	0	78.8	14	132				
Acenaphthylene	1600	250	2000	0	80.2	17	130				
Acetophenone	1600	250	2000	0	78.3	34	129				
Aniline	810	250	2000	0	40.4	5	105				
Anthracene	1600	250	2000	0	79.7	20	132				
Azobenzene	ND	250		0	0	26	144				U
Benzo(a)anthracene	1600	250	2000	0	79.2	20	138				
Benzo(a)pyrene	1800	150	2000	0	87.9	14	130				
Benzo(b)fluoranthene	1800	250	2000	0	88.3	20	130				
Benzo(g,h,i)perylene	1700	250	2000	0	86.5	10	142				
Benzo(k)fluoranthene	1900	250	2000	0	96.8	20	137				
Benzoic acid	350	500	2000	0	17.4	1	114				Jm*
Benzyl alcohol	ND	250		0	0	20	130				U
Bis(2-chloroethoxy)methane	1600	250	2000	0	80.4	19	128				
Bis(2-chloroethyl)ether	1600	250	2000	0	80.6	20	139				
Bis(2-chloroisopropyl)ether	1600	250	2000	0	79.1	11	134				
Bis(2-ethylhexyl)phthalate	ND	250		0	0	18	143				U
Butyl benzyl phthalate	ND	250		0	0	20	148				U
Carbazole	ND	250		0	0	21	135				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	LCS-6402	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/18/2015	RunNo: 11066					
Client ID: LCSS	Batch ID: 6402	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 204213						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	1600	250	2000	0	78.8	20	136				
Di-n-butyl phthalate	ND	250		0	0	20	141				U
Di-n-octyl phthalate	ND	500		0	0	16	142				U
Dibenzo(a,h)anthracene	1800	150	2000	0	88.7	11	140				
Dibenzofuran	ND	250		0	0	21	131				U
Diethyl phthalate	ND	250		0	0	20	138				U
Dimethyl phthalate	ND	250		0	0	20	130				U
Fluoranthene	1500	250	2000	0	75.0	16	130				
Fluorene	1600	250	2000	0	78.4	20	131				
Hexachlorobenzene	1700	250	2000	0	84.3	20	132				
Hexachlorobutadiene	1500	250	2000	0	77.3	20	126				
Hexachlorocyclopentadiene	910	250	2000	0	45.7	14	128				*
Hexachloroethane	1500	250	2000	0	77.1	20	132				
Indeno(1,2,3-c,d)pyrene	1800	250	2000	0	90.1	20	137				m
Isophorone	ND	250		0	0	20	134				U
N-Nitrosodi-n-propylamine	1500	150	2000	0	76.2	20	142				
N-Nitrosodimethylamine	1300	250	2000	0	66.5	15	138				
N-Nitrosodiphenylamine	1600	250	2000	0	82.1	5	100				
Naphthalene	1500	250	2000	0	77.4	20	131				
Nitrobenzene	ND	250		0	0	21	131				U
Parathion	ND	500		0	0	21	130				U
Pentachlorophenol	850	500	2000	0	42.6	10	128				*
Phenanthrene	1600	250	2000	0	79.3	11	133				
Phenol	1700	250	2000	0	86.4	22	132				
Pyrene	1700	250	2000	0	85.4	11	137				
Pyridine	1100	250	2000	0	53.5	1	101				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	LCS-6402	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/18/2015	RunNo: 11066					
Client ID:	LCSS	Batch ID: 6402	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 204213					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	1700		2000		85.5	13	137				
Surr: 2-Fluorobiphenyl	850		1000		85.4	15	128				
Surr: 2-Fluorophenol	1600		2000		82.4	18	120				
Surr: 4-Terphenyl-d14	910		1000		91.0	10	138				
Surr: Nitrobenzene-d5	790		1000		78.6	10	128				
Surr: Phenol-d6	1700		2000		82.7	10	122				

Sample ID	1509097-016BMS	SampType: MS	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 9/18/2015	RunNo: 11066					
Client ID:	SB-10 (0-2')	Batch ID: 6402	TestNo: SW8270D	SW3546	Analysis Date: 9/18/2015	SeqNo: 204215					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	1500	270	2189	0	68.6	20	147				
1,2,4-Trichlorobenzene	1500	270	2189	0	66.8	23	136				
1,2-Dichlorobenzene	1400	270	2189	0	64.8	17	137				
1,3-Dichlorobenzene	1400	270	2189	0	62.5	19	137				
1,4-Dichlorobenzene	1400	270	2189	0	65.7	17	139				
2,4,5-Trichlorophenol	1600	270	2189	0	70.9	26	138				
2,4,6-Trichlorophenol	1400	270	2189	0	65.6	21	143				
2,4-Dichlorophenol	1400	270	2189	0	65.0	20	144				
2,4-Dimethylphenol	1200	270	2189	0	54.4	24	139				
2,4-Dinitrophenol	97	550	2189	0	4.42	5	129				JS*
2,4-Dinitrotoluene	ND	270		0	0	10	144				U
2,6-Dinitrotoluene	ND	270		0	0	12	125				U
2-Chloronaphthalene	1600	270	2189	0	72.8	25	143				
2-Chlorophenol	1400	270	2189	0	64.9	19	144				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	1509097-016BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204215
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	1400	270	2189	31.29	63.6	20	130				m
2-Methylphenol	1300	270	2189	0	61.1	29	136				
2-Nitroaniline	1400	270	2189	0	64.1	25	137				
2-Nitrophenol	1400	270	2189	0	63.0	13	139				
3+4-Methylphenol	2600	270	4377	0	59.5	10	137				
3-Nitroaniline	1100	270	2189	0	51.5	20	120				
4,6-Dinitro-2-methylphenol	530	550	2189	0	24.1	10	125				J
4-Bromophenyl phenyl ether	1600	270	2189	0	71.9	29	139				
4-Chloro-3-methylphenol	1400	270	2189	0	61.9	25	139				
4-Chloroaniline	790	270	2189	0	36.3	18	120				
4-Chlorophenyl phenyl ether	1500	270	2189	0	68.2	27	136				
4-Nitroaniline	1100	270	2189	0	51.6	23	130				
4-Nitrophenol	1100	550	2189	0	49.1	22	147				*
Acenaphthene	1400	270	2189	0	66.0	28	133				
Acenaphthylene	1400	270	2189	0	65.6	22	147				
Acetophenone	1400	270	2189	0	65.6	20	135				
Aniline	600	270	2189	0	27.3	10	110				
Anthracene	1500	270	2189	0	66.4	24	140				
Azobenzene	ND	270		0	0	20	151				U
Benzo(a)anthracene	1500	270	2189	0	66.3	20	144				
Benzo(a)pyrene	1600	160	2189	0	73.0	21	143				
Benzo(b)fluoranthene	1600	270	2189	0	74.7	20	145				m
Benzo(g,h,i)perylene	1600	270	2189	35.07	71.6	20	143				
Benzo(k)fluoranthene	1700	270	2189	0	77.9	20	143				
Benzoic acid	460	550	2189	0	21.0	10	120				J*
Benzyl alcohol	ND	270		0	0	25	125				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	1509097-016BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204215
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	1500	270	2189	0	66.9	22	137				
Bis(2-chloroethyl)ether	1600	270	2189	0	70.9	20	143				
Bis(2-chloroisopropyl)ether	1500	270	2189	0	67.9	20	149				
Bis(2-ethylhexyl)phthalate	ND	270		0	0	27	146				U
Butyl benzyl phthalate	ND	270		0	0	20	147				U
Carbazole	ND	270		0	0	27	120				U
Chrysene	1500	270	2189	0	66.7	22	142				
Di-n-butyl phthalate	ND	270		0	0	27	145				U
Di-n-octyl phthalate	ND	550		0	0	28	145				U
Dibenzo(a,h)anthracene	1600	160	2189	0	73.4	23	142				
Dibenzofuran	ND	270		0	0	21	133				U
Diethyl phthalate	ND	270		0	0	19	136				U
Dimethyl phthalate	ND	270		0	0	20	137				U
Fluoranthene	1400	270	2189	0	64.7	20	147				
Fluorene	1400	270	2189	0	65.2	20	138				
Hexachlorobenzene	1600	270	2189	0	71.9	20	140				
Hexachlorobutadiene	1500	270	2189	0	69.7	20	136				
Hexachlorocyclopentadiene	530	270	2189	0	24.0	4	139				*
Hexachloroethane	1500	270	2189	0	67.7	13	139				
Indeno(1,2,3-c,d)pyrene	1600	270	2189	0	74.1	26	144				m
Isophorone	ND	270		0	0	24	145				U
N-Nitrosodi-n-propylamine	1400	160	2189	0	63.0	22	146				
N-Nitrosodimethylamine	1100	270	2189	0	51.2	17	134				
N-Nitrosodiphenylamine	1500	270	2189	0	66.5	16	143				
Naphthalene	1500	270	2189	0	66.4	13	143				
Nitrobenzene	ND	270		0	0	20	138				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	1509097-016BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204215
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Parathion	ND	550		0	0	21	142				U
Pentachlorophenol	1600	550	2189	0	74.2	18	144				*
Phenanthrene	1500	270	2189	0	67.0	21	140				
Phenol	1500	270	2189	0	67.6	13	143				
Pyrene	1500	270	2189	0	69.7	19	144				
Pyridine	930	270	2189	0	42.5	17	120				
Surr: 2,4,6-Tribromophenol	1600		2189		74.1	13	137				
Surr: 2-Fluorobiphenyl	800		1094		73.5	15	128				
Surr: 2-Fluorophenol	1500		2189		66.5	18	120				
Surr: 4-Terphenyl-d14	790		1094		72.4	10	138				
Surr: Nitrobenzene-d5	730		1094		66.6	10	128				
Surr: Phenol-d6	1400		2189		65.3	10	122				

Sample ID	1509097-016BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204216
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	1500	270	2196	0	66.5	20	147	1501	2.69	20	
1,2,4-Trichlorobenzene	1400	270	2196	0	65.5	23	136	1461	1.56	20	
1,2-Dichlorobenzene	1400	270	2196	0	62.8	17	137	1418	2.84	20	
1,3-Dichlorobenzene	1400	270	2196	0	61.7	19	137	1367	0.922	20	
1,4-Dichlorobenzene	1400	270	2196	0	63.9	17	139	1438	2.44	20	
2,4,5-Trichlorophenol	1500	270	2196	0	69.6	26	138	1553	1.61	20	
2,4,6-Trichlorophenol	1400	270	2196	0	63.8	21	143	1436	2.51	20	
2,4-Dichlorophenol	1400	270	2196	0	63.1	20	144	1422	2.50	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	1509097-016BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204216
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	1100	270	2196	0	49.2	24	139	1191	9.77	20	
2,4-Dinitrophenol	130	550	2196	0	5.92	5	129	96.63	29.4	20	JR*
2,4-Dinitrotoluene	ND	270		0	0	10	144	0	0	20	U
2,6-Dinitrotoluene	ND	270		0	0	12	125	0	0	20	U
2-Chloronaphthalene	1500	270	2196	0	70.1	25	143	1594	3.47	20	
2-Chlorophenol	1400	270	2196	0	61.9	19	144	1421	4.35	20	
2-Methylnaphthalene	1400	270	2196	31.29	60.9	20	130	1422	3.78	20	m
2-Methylphenol	1200	270	2196	0	55.7	29	136	1337	8.82	20	
2-Nitroaniline	1400	270	2196	0	63.9	25	137	1402	0.0535	20	
2-Nitrophenol	1400	270	2196	0	62.3	13	139	1380	0.821	20	
3+4-Methylphenol	2500	270	4393	0	57.0	10	137	2607	4.04	20	
3-Nitroaniline	1200	270	2196	0	54.3	20	120	1128	5.63	20	
4,6-Dinitro-2-methylphenol	530	550	2196	0	24.3	10	125	526.5	1.48	20	J
4-Bromophenyl phenyl ether	1500	270	2196	0	67.4	29	139	1574	6.20	20	
4-Chloro-3-methylphenol	1300	270	2196	0	60.8	25	139	1354	1.34	20	
4-Chloroaniline	890	270	2196	0	40.7	18	120	793.9	11.9	20	
4-Chlorophenyl phenyl ether	1500	270	2196	0	66.6	27	136	1493	2.14	20	
4-Nitroaniline	1200	270	2196	0	55.6	23	130	1130	7.83	20	
4-Nitrophenol	1100	550	2196	0	49.5	22	147	1074	1.21	20	*
Acenaphthene	1400	270	2196	0	64.6	28	133	1445	1.79	20	
Acenaphthylene	1400	270	2196	0	63.9	22	147	1435	2.24	20	
Acetophenone	1400	270	2196	0	62.8	20	135	1437	4.13	20	
Aniline	680	270	2196	0	31.1	10	110	596.6	13.4	20	
Anthracene	1400	270	2196	0	64.0	24	140	1454	3.40	20	
Azobenzene	ND	270		0	0	20	151	0	0	20	U
Benzo(a)anthracene	1400	270	2196	0	63.4	20	144	1451	4.06	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	1509097-016BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204216
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1500	160	2196	0	66.7	21	143	1597	8.61	20	
Benzo(b)fluoranthene	1500	270	2196	0	67.3	20	145	1634	9.97	20	m
Benzo(g,h,i)perylene	1400	270	2196	35.07	64.1	20	143	1601	10.4	20	
Benzo(k)fluoranthene	1600	270	2196	0	71.4	20	143	1705	8.32	20	
Benzoic acid	540	550	2196	0	24.4	10	120	460.2	15.1	20	J*
Benzyl alcohol	ND	270		0	0	25	125	0	0	20	U
Bis(2-chloroethoxy)methane	1400	270	2196	0	64.6	22	137	1465	3.14	20	
Bis(2-chloroethyl)ether	1500	270	2196	0	68.4	20	143	1553	3.24	20	
Bis(2-chloroisopropyl)ether	1400	270	2196	0	64.4	20	149	1487	4.96	20	
Bis(2-ethylhexyl)phthalate	ND	270		0	0	27	146	0	0	20	U
Butyl benzyl phthalate	ND	270		0	0	20	147	0	0	20	U
Carbazole	ND	270		0	0	27	120	0	0	20	U
Chrysene	1400	270	2196	0	62.8	22	142	1459	5.64	20	
Di-n-butyl phthalate	ND	270		0	0	27	145	0	0	20	U
Di-n-octyl phthalate	ND	550		0	0	28	145	0	0	20	U
Dibenzo(a,h)anthracene	1500	160	2196	0	66.9	23	142	1607	8.96	20	
Dibenzofuran	ND	270		0	0	21	133	0	0	20	U
Diethyl phthalate	ND	270		0	0	19	136	0	0	20	U
Dimethyl phthalate	ND	270		0	0	20	137	0	0	20	U
Fluoranthene	1400	270	2196	0	63.0	20	147	1417	2.43	20	
Fluorene	1400	270	2196	0	64.1	20	138	1427	1.30	20	
Hexachlorobenzene	1500	270	2196	0	66.8	20	140	1573	6.92	20	
Hexachlorobutadiene	1500	270	2196	0	67.8	20	136	1525	2.42	20	
Hexachlorocyclopentadiene	430	270	2196	0	19.4	4	139	525.5	21.0	20	R*
Hexachloroethane	1400	270	2196	0	65.6	13	139	1481	2.73	20	
Indeno(1,2,3-c,d)pyrene	1500	270	2196	0	67.7	26	144	1623	8.77	20	m

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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6402

Sample ID	1509097-016BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/18/2015	RunNo:	11066
Client ID:	SB-10 (0-2')	Batch ID:	6402	TestNo:	SW8270D	SW3546		Analysis Date:	9/18/2015	SeqNo:	204216
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isophorone	ND	270		0	0	24	145	0	0	20	U
N-Nitrosodi-n-propylamine	1400	160	2196	0	61.5	22	146	1380	2.06	20	
N-Nitrosodimethylamine	1000	270	2196	0	47.5	17	134	1120	7.06	20	
N-Nitrosodiphenylamine	1400	270	2196	0	61.5	16	143	1456	7.45	20	
Naphthalene	1400	270	2196	0	64.0	13	143	1453	3.25	20	
Nitrobenzene	ND	270		0	0	20	138	0	0	20	U
Parathion	ND	550		0	0	21	142	0	0	20	U
Pentachlorophenol	1600	550	2196	0	72.9	18	144	1623	1.41	20	*
Phenanthrene	1400	270	2196	0	64.1	21	140	1467	4.11	20	
Phenol	1400	270	2196	0	65.8	13	143	1480	2.41	20	
Pyrene	1400	270	2196	0	65.7	19	144	1526	5.65	20	
Pyridine	900	270	2196	0	40.8	17	120	931.1	3.74	20	
Surr: 2,4,6-Tribromophenol	1600		2196		73.1	13	137		0	20	
Surr: 2-Fluorobiphenyl	760		1098		69.0	15	128		0	20	
Surr: 2-Fluorophenol	1400		2196		63.7	18	120		0	20	
Surr: 4-Terphenyl-d14	730		1098		66.7	10	138		0	20	
Surr: Nitrobenzene-d5	720		1098		65.7	10	128		0	20	
Surr: Phenol-d6	1400		2196		62.4	10	122		0	20	

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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6434

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6434	LCS	8260_S	µg/Kg	9/21/2015	11219						
Client ID	Batch ID	TestNo		Analysis Date	SeqNo						
LCSS	6434	SW8260C	SW5035A	9/22/2015	207665						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	50	5.0	50.00	0	99.9	42	145				
1,1,2,2-Tetrachloroethane	45	5.0	50.00	0	89.0	44	138				
1,1,2-Trichloroethane	47	5.0	50.00	0	93.4	47	135				
1,1-Dichloroethane	54	5.0	50.00	0	107	41	134				
1,1-Dichloroethene	53	5.0	50.00	0	105	48	145				
1,2-Dichlorobenzene	46	5.0	50.00	0	91.2	39	124				
1,2-Dichloroethane	53	5.0	50.00	0	106	46	140				
1,2-Dichloropropane	49	5.0	50.00	0	97.7	50	124				
1,3-Dichlorobenzene	46	5.0	50.00	0	91.5	24	136				
1,3-dichloropropane	ND	5.0	50.00	0	0	40	120				SU
1,4-Dichlorobenzene	46	5.0	50.00	0	91.2	23	128				
2-Chloroethyl vinyl ether	51	5.0	50.00	0	103	21	130				
Benzene	53	5.0	50.00	0	105	47	133				
Bromodichloromethane	46	5.0	50.00	0	91.8	48	125				
Bromoform	45	5.0	50.00	0	89.2	27	140				
Bromomethane	39	5.0	50.00	0	78.4	20	153				
Carbon tetrachloride	49	5.0	50.00	0	97.3	49	141				
Chlorobenzene	46	5.0	50.00	0	92.3	45	120				
Chloroethane	45	5.0	50.00	0	90.4	37	150				
Chloroform	51	5.0	50.00	0	103	43	136				
Chloromethane	51	5.0	50.00	0	101	27	146				*
cis-1,3-Dichloropropene	42	5.0	50.00	0	83.6	47	128				
Dibromochloromethane	45	5.0	50.00	0	89.5	42	137				
Ethylbenzene	47	5.0	50.00	0	94.3	46	131				
Methylene chloride	40	10	50.00	0	79.4	20	120				B*
Tetrachloroethene	32	5.0	50.00	0	63.6	33	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6434

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6434	LCS	8260_S	µg/Kg	9/21/2015	11219						
Client ID: LCSS	Batch ID: 6434	TestNo: SW8260C	SW5035A	Analysis Date: 9/22/2015	SeqNo: 207665						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	47	5.0	50.00	0	94.5	50	130				
trans-1,2-Dichloroethene	50	5.0	50.00	0	101	45	141				
trans-1,3-Dichloropropene	44	5.0	50.00	0	87.2	46	135				
Trichloroethene	46	5.0	50.00	0	91.5	46	129				
Trichlorofluoromethane	45	5.0	50.00	0	89.0	46	151				
Vinyl chloride	52	5.0	50.00	0	104	43	153				
Surr: 4-Bromofluorobenzene	46		50.00		92.7	48	136				
Surr: Dibromofluoromethane	56		50.00		111	44	154				
Surr: Toluene-d8	52		50.00		103	58	141				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6434	MBLK	8260_S	µg/Kg	9/21/2015	11219						
Client ID: PBS	Batch ID: 6434	TestNo: SW8260C	SW5035A	Analysis Date: 9/22/2015	SeqNo: 207665						
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

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6434

Sample ID	MB-6434	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/21/2015	RunNo:	11219
Client ID:	PBS	Batch ID:	6434	TestNo:	SW8260C	SW5035A		Analysis Date:	9/22/2015	SeqNo:	207666
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.0									U
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

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6434

Sample ID	MB-6434	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/21/2015	RunNo	11219
Client ID	PBS	Batch ID	6434	TestNo	SW8260C	SW5035A		Analysis Date	9/22/2015	SeqNo	207666
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	ND	5.0									U
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	14	10									*
n-Butylbenzene	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6434

Sample ID	MB-6434	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/21/2015	RunNo:	11219
Client ID:	PBS	Batch ID:	6434	TestNo:	SW8260C	SW5035A		Analysis Date:	9/22/2015	SeqNo:	207666
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
n-Propylbenzene	ND	5.0									U
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	47		50.00		93.1	48	136				
Surr: Dibromofluoromethane	56		50.00		112	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6439

Sample ID	LCS-6439	SampType: LCS	TestCode: 8082_S	Units: µg/Kg	Prep Date: 9/22/2015	RunNo: 11101					
Client ID: LCSS	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205109						
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	160	20	250.0	0	62.8	35	135				
Aroclor 1254	ND	20		0	0	34	145				U
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	15		25.00		58.1	18	143				
Surr: TCX	16		25.00		65.1	18	146				

Sample ID	MB-6439	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 9/22/2015	RunNo: 11101					
Client ID: PBS	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205110						
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6439

Sample ID MB-6439	SampType: MBLK	TestCode: 8082_S	Units: µg/Kg	Prep Date: 9/22/2015	RunNo: 11101						
Client ID: PBS	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205110						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	11		25.00		45.9	18	143				
Surr: TCX	12		25.00		49.6	18	146				

Sample ID 1509115-001BMS	SampType: MS	TestCode: 8082_S	Units: %REC	Prep Date: 9/22/2015	RunNo: 11101						
Client ID: BatchQC	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/23/2015	SeqNo: 209043						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	17		25.48		66.8	18	143				
Surr: TCX	18		25.48		68.7	18	146				

Sample ID 1509115-001BMSD	SampType: MSD	TestCode: 8082_S	Units: %REC	Prep Date: 9/22/2015	RunNo: 11101						
Client ID: BatchQC	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/23/2015	SeqNo: 209044						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	18		25.02		70.7	18	143		0	20	
Surr: TCX	18		25.02		72.5	18	146		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6439

Sample ID	LCS-6439	SampType: LCS	TestCode: 8082_S	Units: %REC	Prep Date: 9/22/2015	RunNo: 11100					
Client ID:	LCSS	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205104					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	13		25.00		53.3	18	143				
Surr: TCX	15		25.00		58.1	18	146				

Sample ID	MB-6439	SampType: MBLK	TestCode: 8082_S	Units: %REC	Prep Date: 9/22/2015	RunNo: 11100					
Client ID:	PBS	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/22/2015	SeqNo: 205105					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	11		25.00		42.1	18	143				
Surr: TCX	11		25.00		45.4	18	146				

Sample ID	1509115-001BMS	SampType: MS	TestCode: 8082_S	Units: µg/Kg-dry	Prep Date: 9/22/2015	RunNo: 11100					
Client ID:	BatchQC	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/23/2015	SeqNo: 209020					
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	160	20	254.8	0	62.8	35	135				
Aroclor 1254	ND	20		0	0	34	145				U
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

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6439

Sample ID	1509115-001BMS	SampType: MS	TestCode: 8082_S	Units: µg/Kg-dry	Prep Date: 9/22/2015	RunNo: 11100					
Client ID:	BatchQC	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/23/2015	SeqNo: 209020					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	16		25.48		63.2	18	143				
Surr: TCX	17		25.48		65.2	18	146				

Sample ID	1509115-001BMSD	SampType: MSD	TestCode: 8082_S	Units: µg/Kg-dry	Prep Date: 9/22/2015	RunNo: 11100					
Client ID:	BatchQC	Batch ID: 6439	TestNo: SW8082A	SW3546	Analysis Date: 9/23/2015	SeqNo: 209021					
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	0	0	20	U
Aroclor 1221	ND	20		0	0	30	130	0	0	20	U
Aroclor 1232	ND	20		0	0	30	140	0	0	20	U
Aroclor 1242	ND	20		0	0	20	140	0	0	20	U
Aroclor 1248	180	20	250.2	0	71.0	35	135	160.1	10.4	20	
Aroclor 1254	ND	20		0	0	34	145	0	0	20	U
Aroclor 1260	ND	20		0	0	21	135	0	0	20	U
Aroclor 1262	ND	20		0	0	30	130	0	0	20	U
Aroclor 1268	ND	20		0	0	35	135	0	0	20	U
Surr: DCB	17		25.02		66.7	18	143		0	20	
Surr: TCX	17		25.02		69.3	18	146		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6440

Sample ID	LCS-6440	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/22/2015	RunNo: 11258					
Client ID: LCSS	Batch ID: 6440	TestNo: SW8081B	SW3546	Analysis Date: 9/22/2015	SeqNo: 208885						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.5		0	0	21	152				U
4,4'-DDE	ND	2.5		0	0	22	148				U
4,4'-DDT	ND	2.5		0	0	23	151				U
Aldrin	ND	2.5		0	0	29	150				U
alpha-BHC	ND	2.5		0	0	29	148				U
alpha-Chlordane	8.2	10		0	0	29	153				J
beta-BHC	ND	2.5		0	0	38	153				U
Chlorobenzilate	22	2.5	25.00	0	87.3	28	145				
DBCP	20	2.5	25.00	0	78.2	20	148				
delta-BHC	ND	2.5		0	0	31	152				U
Dieldrin	ND	2.5		0	0	32	146				PU
Endosulfan I	ND	2.5		0	0	29	154				U
Endosulfan II	ND	2.5		0	0	20	147				U
Endosulfan sulfate	ND	2.5		0	0	21	153				U
Endrin	ND	2.5		0	0	22	152				U
Endrin aldehyde	ND	2.5		0	0	20	157				U
Endrin ketone	ND	2.5		0	0	28	155				U
gamma-BHC	ND	2.5		0	0	20	153				U
gamma-Chlordane	6.1	10		0	0	20	157				JP
Heptachlor	2.9	3.0		0	0	33	153				J
Heptachlor epoxide	2.2	2.5		0	0	29	153				J
Hexachlorobenzene	4.4	2.5	25.00	0	17.7	10	132				
Hexachlorocyclopentadiene	22	3.0	25.00	0	87.0	10	121				
Methoxychlor	ND	2.5		0	0	37	148				U
Toxaphene	ND	25		0	0	30	145				U
Surr: DCB	23		25.00		92.0	16	148				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6440

Sample ID	LCS-6440	SampType:	LCS	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	9/22/2015	RunNo:	11258			
Client ID:	LCSS	Batch ID:	6440	TestNo:	SW8081B	SW3546		Analysis Date:	9/22/2015	SeqNo:	208885			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX		12			25.00			48.2	19	145				

Sample ID	MB-6440	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	9/22/2015	RunNo:	11258			
Client ID:	PBS	Batch ID:	6440	TestNo:	SW8081B	SW3546		Analysis Date:	9/22/2015	SeqNo:	208886			
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		10										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		10										U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6440

Sample ID	MB-6440	SampType:	MBLK	TestCode:	8081_S	Units:	µg/Kg	Prep Date:	9/22/2015	RunNo:	11258
Client ID:	PBS	Batch ID:	6440	TestNo:	SW8081B	SW3546		Analysis Date:	9/22/2015	SeqNo:	208886
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	18		25.00		71.0	16	148				
Surr: TCX	10		25.00		40.1	19	145				

Sample ID	1509114-001BMS	SampType:	MS	TestCode:	8081_S	Units:	µg/Kg-dry	Prep Date:	9/22/2015	RunNo:	11258
Client ID:	BatchQC	Batch ID:	6440	TestNo:	SW8081B	SW3546		Analysis Date:	9/23/2015	SeqNo:	208898
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.8		5.240	0	14	156				U
4,4'-DDE	11	2.8		28.81	0	13	158				
4,4'-DDT	18	2.8		25.09	0	14	158				
Aldrin	ND	2.8		0	0	23	150				U
alpha-BHC	ND	2.8		0	0	10	153				U
alpha-Chlordane	41	11		0	0	16	155				P
beta-BHC	ND	2.8		0	0	32	158				U
Chlorobenzilate	24	2.8	28.37	0	84.0	16	148				
DBCP	15	2.8	28.37	0	53.7	13	145				
delta-BHC	ND	2.8		0	0	14	151				U
Dieldrin	6.3	2.8		7.441	0	30	148				P
Endosulfan I	ND	2.8		0	0	21	150				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6440

Sample ID	1509114-001BMS	SampType:	MS	TestCode:	8081_S	Units:	µg/Kg-dry	Prep Date:	9/22/2015	RunNo:	11258
Client ID:	BatchQC	Batch ID:	6440	TestNo:	SW8081B	SW3546		Analysis Date:	9/23/2015	SeqNo:	208898
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Endosulfan II	ND	2.8		0	0	10	151				U
Endosulfan sulfate	ND	2.8		0	0	19	156				U
Endrin	2.3	2.8		0	0	15	158				JP
Endrin aldehyde	ND	2.8		0	0	16	152				U
Endrin ketone	ND	2.8		0	0	13	156				U
gamma-BHC	ND	2.8		0	0	10	157				U
gamma-Chlordane	9.6	11		0	0	21	158				JP
Heptachlor	ND	3.4		0	0	20	159				U
Heptachlor epoxide	3.2	2.8		4.471	0	21	155				
Hexachlorobenzene	8.0	2.8	28.37	0	28.3	10	154				
Hexachlorocyclopentadiene	14	3.4	28.37	0	48.6	11	120				
Methoxychlor	ND	2.8		0	0	18	158				U
Toxaphene	ND	28		0	0	20	140				U
Surr: DCB	18		28.37		63.6	16	148				
Surr: TCX	15		28.37		53.6	19	145				

Sample ID	1509114-001BMSD	SampType:	MSD	TestCode:	8081_S	Units:	µg/Kg-dry	Prep Date:	9/22/2015	RunNo:	11258
Client ID:	BatchQC	Batch ID:	6440	TestNo:	SW8081B	SW3546		Analysis Date:	9/23/2015	SeqNo:	208899
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.9		5.240	0	14	156	0	0	20	U
4,4'-DDT	13	2.9		25.09	0	14	158	17.59	30.4	20	R
Aldrin	ND	2.9		0	0	23	150	0	0	20	U
alpha-BHC	ND	2.9		0	0	10	153	0	0	20	U
beta-BHC	ND	2.9		0	0	32	158	0	0	20	U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6440

Sample ID	1509114-001BMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg-dry	Prep Date: 9/22/2015	RunNo: 11258					
Client ID: BatchQC	Batch ID: 6440	TestNo: SW8081B	SW3546	Analysis Date: 9/23/2015	SeqNo: 208899						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chlorobenzilate	18	2.9	28.66	0	62.7	16	148	23.84	28.1	20	R
delta-BHC	ND	2.9		0	0	14	151	0	0	20	U
Dieldrin	ND	2.9		7.441	0	30	148	6.316	200	20	RU
Endosulfan I	ND	2.9		0	0	21	150	0	0	20	U
Endosulfan II	ND	2.9		0	0	10	151	0	0	20	U
Endosulfan sulfate	ND	2.9		0	0	19	156	0	0	20	U
Endrin	ND	2.9		0	0	15	158	2.339	200	20	RU
Endrin aldehyde	ND	2.9		0	0	16	152	0	0	20	U
Endrin ketone	ND	2.9		0	0	13	156	0	0	20	U
gamma-BHC	ND	2.9		0	0	10	157	0	0	20	U
gamma-Chlordane	16	11		0	0	21	158	9.614	52.3	20	PR
Heptachlor	ND	3.4		0	0	20	159	0	0	20	U
Heptachlor epoxide	5.8	2.9		4.471	0	21	155	3.242	57.2	20	R
Hexachlorobenzene	7.3	2.9	28.66	0	25.5	10	154	8.019	9.11	20	
Hexachlorocyclopentadiene	15	3.4	28.66	0	53.1	11	120	13.80	9.77	20	
Methoxychlor	ND	2.9		0	0	18	158	0	0	20	U
Toxaphene	ND	29		0	0	20	140	0	0	20	U
Surr: DCB	16		28.66		54.5	16	148		0	20	
Surr: TCX	13		28.66		43.7	19	145		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6440

Sample ID	LCS-6440	SampType: LCS	TestCode: 8081_S	Units: %REC	Prep Date: 9/22/2015	RunNo: 11259					
Client ID:	LCSS	Batch ID: 6440	TestNo: SW8081B	SW3546	Analysis Date: 9/22/2015	SeqNo: 208917					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	25		25.00		101	16	148				
Surr: TCX	13		25.00		53.8	19	145				

Sample ID	MB-6440	SampType: MBLK	TestCode: 8081_S	Units: %REC	Prep Date: 9/22/2015	RunNo: 11259					
Client ID:	PBS	Batch ID: 6440	TestNo: SW8081B	SW3546	Analysis Date: 9/22/2015	SeqNo: 208918					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	19		25.00		77.7	16	148				
Surr: TCX	9.9		25.00		39.7	19	145				

Sample ID	1509114-001BMS	SampType: MS	TestCode: 8081_S	Units: %REC	Prep Date: 9/22/2015	RunNo: 11259					
Client ID:	BatchQC	Batch ID: 6440	TestNo: SW8081B	SW3546	Analysis Date: 9/23/2015	SeqNo: 208930					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	18		28.37		64.6	16	148				
Surr: TCX	15		28.37		51.5	19	145				

Sample ID	1509114-001BMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg-dry	Prep Date: 9/22/2015	RunNo: 11259					
Client ID:	BatchQC	Batch ID: 6440	TestNo: SW8081B	SW3546	Analysis Date: 9/23/2015	SeqNo: 208931					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDE	6.8	2.9		31.03	0	13	158	8.426	21.1	20	R

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6440

Sample ID	1509114-001BMSD	SampType:	MSD	TestCode:	8081_S	Units:	µg/Kg-dry	Prep Date:	9/22/2015	RunNo:	11259
Client ID:	BatchQC	Batch ID:	6440	TestNo:	SW8081B	SW3546		Analysis Date:	9/23/2015	SeqNo:	208931
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
alpha-Chlordane	ND	11		0	0	16	155	9.186	200	20	RU
DBCP	13	2.9	28.66	0	44.3	1213	145	12.82	0.892	20	S
Surr: DCB	16		28.66		56.0	16	148		0	20	
Surr: TCX	13		28.66		44.7	19	145		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	MB-6442	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	PBS	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	204640
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	MB-6442	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	PBS	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	204640
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	MB-6442	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	PBS	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	204640
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	1300		2000		66.1	13	137				
Surr: 2-Fluorobiphenyl	820		1000		81.7	15	128				
Surr: 2-Fluorophenol	1500		2000		74.7	18	120				
Surr: 4-Terphenyl-d14	830		1000		83.5	10	138				
Surr: Nitrobenzene-d5	710		1000		71.0	10	128				
Surr: Phenol-d6	1400		2000		71.1	10	122				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	MB-6442	SampType:	MBLK	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/21/2015	RunNo:	11087			
Client ID:	PBS	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	204640			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	LCS-6442	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/21/2015	RunNo:	11087			
Client ID:	LCSS	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	204641			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl		1600		250	2000	0		82.1	28	126				
1,2,4-Trichlorobenzene		1600		250	2000	0		78.2	20	126				
1,2-Dichlorobenzene		1600		250	2000	0		77.7	23	128				
1,3-Dichlorobenzene		1600		250	2000	0		78.0	22	121				
1,4-Dichlorobenzene		1600		250	2000	0		78.5	20	128				
2,4,5-Trichlorophenol		1600		250	2000	0		80.4	23	135				
2,4,6-Trichlorophenol		1600		250	2000	0		80.5	20	128				
2,4-Dichlorophenol		1600		250	2000	0		79.1	20	125				
2,4-Dimethylphenol		1600		250	2000	0		80.4	16	122				
2,4-Dinitrophenol		420		500	2000	0		21.2	1	112				J*
2,4-Dinitrotoluene		ND		250		0		0	20	127				U
2,6-Dinitrotoluene		ND		250		0		0	12	125				U
2-Chloronaphthalene		1700		250	2000	0		86.6	21	124				
2-Chlorophenol		1600		250	2000	0		80.3	23	133				
2-Methylnaphthalene		1500		250	2000	0		74.2	22	120				
2-Methylphenol		1600		250	2000	0		78.4	24	130				
2-Nitroaniline		1500		250	2000	0		75.0	14	115				
2-Nitrophenol		1500		250	2000	0		73.3	15	129				
3+4-Methylphenol		3100		250	4000	0		78.5	18	140				
3-Nitroaniline		1500		250	2000	0		75.8	14	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6442	LCS	8270_S	µg/Kg	9/21/2015	11087						
Client ID	Batch ID	TestNo		Analysis Date	SeqNo						
LCSS	6442	SW8270D	SW3546	9/22/2015	204641						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	970	500	2000	0	48.7	10	120				
4-Bromophenyl phenyl ether	1700	250	2000	0	84.7	21	134				
4-Chloro-3-methylphenol	1500	250	2000	0	76.6	16	132				
4-Chloroaniline	1400	250	2000	0	69.2	10	101				
4-Chlorophenyl phenyl ether	1600	250	2000	0	80.6	20	127				
4-Nitroaniline	1400	250	2000	0	67.8	20	133				
4-Nitrophenol	1300	500	2000	0	63.7	5	125				
Acenaphthene	1600	250	2000	0	79.8	14	132				
Acenaphthylene	1600	250	2000	0	81.6	17	130				
Acetophenone	1500	250	2000	0	76.6	34	129				
Aniline	1300	250	2000	0	63.8	5	105				
Anthracene	1600	250	2000	0	82.2	20	132				
Azobenzene	ND	250		0	0	26	144				U
Benzo(a)anthracene	1600	250	2000	0	81.2	20	138				
Benzo(a)pyrene	1600	150	2000	0	78.8	14	130				
Benzo(b)fluoranthene	1500	250	2000	0	76.6	20	130				
Benzo(g,h,i)perylene	1800	250	2000	0	88.5	10	142				
Benzo(k)fluoranthene	1800	250	2000	0	88.5	20	137				
Benzoic acid	160	500	2000	0	7.99	1	114				Jm
Benzyl alcohol	ND	250		0	0	20	130				U
Bis(2-chloroethoxy)methane	1600	250	2000	0	79.0	19	128				
Bis(2-chloroethyl)ether	1500	250	2000	0	77.2	20	139				
Bis(2-chloroisopropyl)ether	1500	250	2000	0	73.9	11	134				
Bis(2-ethylhexyl)phthalate	ND	250		0	0	18	143				U
Butyl benzyl phthalate	ND	250		0	0	20	148				U
Carbazole	ND	250		0	0	21	135				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	LCS-6442	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/21/2015	RunNo: 11087					
Client ID: LCSS	Batch ID: 6442	TestNo: SW8270D	SW3546	Analysis Date: 9/22/2015	SeqNo: 204641						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	1600	250	2000	0	80.9	20	136				
Di-n-butyl phthalate	ND	250		0	0	20	141				U
Di-n-octyl phthalate	ND	500		0	0	16	142				U
Dibenzo(a,h)anthracene	1700	150	2000	0	87.1	11	140				
Dibenzofuran	ND	250		0	0	21	131				U
Diethyl phthalate	ND	250		0	0	20	138				U
Dimethyl phthalate	ND	250		0	0	20	130				U
Fluoranthene	1500	250	2000	0	76.7	16	130				
Fluorene	1600	250	2000	0	78.9	20	131				
Hexachlorobenzene	1700	250	2000	0	84.4	20	132				
Hexachlorobutadiene	1600	250	2000	0	80.8	20	126				
Hexachlorocyclopentadiene	1700	250	2000	0	86.7	14	128				
Hexachloroethane	1600	250	2000	0	78.1	20	132				
Indeno(1,2,3-c,d)pyrene	1800	250	2000	0	87.8	20	137				
Isophorone	ND	250		0	0	20	134				U
N-Nitrosodi-n-propylamine	1400	150	2000	0	72.4	20	142				
N-Nitrosodimethylamine	1400	250	2000	0	71.8	15	138				
N-Nitrosodiphenylamine	1600	250	2000	0	81.6	5	100				
Naphthalene	1600	250	2000	0	78.5	20	131				
Nitrobenzene	ND	250		0	0	21	131				U
Parathion	ND	500		0	0	21	130				U
Pentachlorophenol	1200	500	2000	0	58.0	10	128				
Phenanthrene	1600	250	2000	0	82.3	11	133				
Phenol	1600	250	2000	0	79.0	22	132				
Pyrene	1600	250	2000	0	82.1	11	137				
Pyridine	1200	250	2000	0	59.7	1	101				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	LCS-6442	SampType:	LCS	TestCode:	8270_S	Units:	µg/Kg	Prep Date:	9/21/2015	RunNo:	11087			
Client ID:	LCSS	Batch ID:	6442	TestNo:	SW8270D		SW3546	Analysis Date:	9/22/2015	SeqNo:	204641			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol		1700			2000			87.3	13	137				
Surr: 2-Fluorobiphenyl		880			1000			87.9	15	128				
Surr: 2-Fluorophenol		1700			2000			85.8	18	120				
Surr: 4-Terphenyl-d14		870			1000			87.2	10	138				
Surr: Nitrobenzene-d5		820			1000			82.2	10	128				
Surr: Phenol-d6		1700			2000			83.8	10	122				

Sample ID	1509110-003BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/21/2015	RunNo:	11087			
Client ID:	BatchQC	Batch ID:	6442	TestNo:	SW8270D		SW3546	Analysis Date:	9/22/2015	SeqNo:	205410			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl		1600		260	2062	0		77.9	20	147				
1,2,4-Trichlorobenzene		1500		260	2062	0		73.2	23	136				
1,2-Dichlorobenzene		1400		260	2062	0		70.2	17	137				
1,3-Dichlorobenzene		1400		260	2062	0		70.1	19	137				
1,4-Dichlorobenzene		1400		260	2062	0		69.1	17	139				
2,4,5-Trichlorophenol		1600		260	2062	0		78.4	26	138				
2,4,6-Trichlorophenol		1600		260	2062	0		76.7	21	143				
2,4-Dichlorophenol		1500		260	2062	0		73.3	20	144				
2,4-Dimethylphenol		1500		260	2062	0		73.2	24	139				
2,4-Dinitrophenol		480		520	2062	0		23.4	5	129				J*
2,4-Dinitrotoluene		ND		260		0		0	10	144				U
2,6-Dinitrotoluene		ND		260		0		0	12	125				U
2-Chloronaphthalene		1600		260	2062	0		79.5	25	143				
2-Chlorophenol		1500		260	2062	0		72.6	19	144				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	1509110-003BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	BatchQC	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	205410
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	1400	260	2062	0	69.0	20	130				
2-Methylphenol	1400	260	2062	0	68.9	29	136				
2-Nitroaniline	1500	260	2062	0	74.1	25	137				
2-Nitrophenol	1600	260	2062	0	75.8	13	139				
3+4-Methylphenol	2800	260	4125	0	67.3	10	137				
3-Nitroaniline	1200	260	2062	0	60.1	20	120				
4,6-Dinitro-2-methylphenol	1000	520	2062	0	48.6	10	125				
4-Bromophenyl phenyl ether	1700	260	2062	0	81.2	29	139				
4-Chloro-3-methylphenol	1400	260	2062	0	67.5	25	139				
4-Chloroaniline	860	260	2062	0	41.7	18	120				
4-Chlorophenyl phenyl ether	1500	260	2062	0	73.4	27	136				
4-Nitroaniline	1300	260	2062	0	61.5	23	130				
4-Nitrophenol	1300	520	2062	0	63.4	22	147				
Acenaphthene	1600	260	2062	0	75.4	28	133				
Acenaphthylene	1600	260	2062	0	77.1	22	147				
Acetophenone	1400	260	2062	0	67.3	20	135				
Aniline	650	260	2062	0	31.6	10	110				
Anthracene	1600	260	2062	0	76.8	24	140				
Azobenzene	ND	260		0	0	20	151				U
Benzo(a)anthracene	1600	260	2062	0	76.5	20	144				
Benzo(a)pyrene	1500	150	2062	0	74.3	21	143				
Benzo(b)fluoranthene	1500	260	2062	0	73.2	20	145				
Benzo(g,h,i)perylene	1700	260	2062	0	81.8	20	143				
Benzo(k)fluoranthene	1500	260	2062	0	73.4	20	143				
Benzoic acid	500	520	2062	0	24.4	10	120				J*
Benzyl alcohol	ND	260		0	0	25	125				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	1509110-003BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	BatchQC	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	205410
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	1500	260	2062	0	73.8	22	137				
Bis(2-chloroethyl)ether	1500	260	2062	0	73.9	20	143				
Bis(2-chloroisopropyl)ether	1400	260	2062	0	67.4	20	149				
Bis(2-ethylhexyl)phthalate	ND	260		0	0	27	146				U
Butyl benzyl phthalate	ND	260		0	0	20	147				U
Carbazole	ND	260		0	0	27	120				U
Chrysene	1600	260	2062	0	75.3	22	142				
Di-n-butyl phthalate	ND	260		0	0	27	145				U
Di-n-octyl phthalate	ND	520		0	0	28	145				U
Dibenzo(a,h)anthracene	1700	150	2062	0	81.9	23	142				
Dibenzofuran	ND	260		0	0	21	133				U
Diethyl phthalate	ND	260		0	0	19	136				U
Dimethyl phthalate	ND	260		0	0	20	137				U
Fluoranthene	1500	260	2062	0	70.9	20	147				
Fluorene	1500	260	2062	0	73.4	20	138				
Hexachlorobenzene	1700	260	2062	0	80.2	20	140				
Hexachlorobutadiene	1500	260	2062	0	74.1	20	136				
Hexachlorocyclopentadiene	1500	260	2062	0	71.6	4	139				
Hexachloroethane	1500	260	2062	0	70.9	13	139				
Indeno(1,2,3-c,d)pyrene	1700	260	2062	0	82.7	26	144				m
Isophorone	ND	260		0	0	24	145				U
N-Nitrosodi-n-propylamine	1300	150	2062	0	65.3	22	146				
N-Nitrosodimethylamine	1300	260	2062	0	60.7	17	134				
N-Nitrosodiphenylamine	1600	260	2062	0	78.6	16	143				
Naphthalene	1500	260	2062	0	73.2	13	143				
Nitrobenzene	ND	260		0	0	20	138				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	1509110-003BMS	SampType:	MS	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	BatchQC	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	205410
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Parathion	ND	520		0	0	21	142				U
Pentachlorophenol	1500	520	2062	0	71.0	18	144				
Phenanthrene	1600	260	2062	0	75.8	21	140				
Phenol	1400	260	2062	0	68.5	13	143				
Pyrene	1600	260	2062	0	77.0	19	144				
Pyridine	1000	260	2062	0	50.6	17	120				
Surr: 2,4,6-Tribromophenol	1800		2062		86.8	13	137				
Surr: 2-Fluorobiphenyl	880		1031		85.5	15	128				
Surr: 2-Fluorophenol	1600		2062		79.2	18	120				
Surr: 4-Terphenyl-d14	850		1031		82.5	10	138				
Surr: Nitrobenzene-d5	800		1031		77.6	10	128				
Surr: Phenol-d6	1500		2062		74.5	10	122				

Sample ID	1509110-003BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	BatchQC	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	205411
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	1500	260	2055	0	73.2	20	147	1606	6.46	20	
1,2,4-Trichlorobenzene	1400	260	2055	0	67.4	23	136	1509	8.53	20	
1,2-Dichlorobenzene	1300	260	2055	0	65.4	17	137	1449	7.44	20	
1,3-Dichlorobenzene	1300	260	2055	0	65.1	19	137	1446	7.80	20	
1,4-Dichlorobenzene	1300	260	2055	0	65.1	17	139	1425	6.33	20	
2,4,5-Trichlorophenol	1500	260	2055	0	73.4	26	138	1617	6.90	20	
2,4,6-Trichlorophenol	1500	260	2055	0	71.7	21	143	1582	7.07	20	
2,4-Dichlorophenol	1400	260	2055	0	68.5	20	144	1511	7.11	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	1509110-003BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	BatchQC	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	205411
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dimethylphenol	1400	260	2055	0	69.6	24	139	1509	5.39	20	
2,4-Dinitrophenol	250	510	2055	0	12.2	5	129	483.6	63.3	20	JR*
2,4-Dinitrotoluene	ND	260		0	0	10	144	0	0	20	U
2,6-Dinitrotoluene	ND	260		0	0	12	125	0	0	20	U
2-Chloronaphthalene	1600	260	2055	0	75.4	25	143	1640	5.60	20	
2-Chlorophenol	1400	260	2055	0	67.6	19	144	1498	7.60	20	
2-Methylnaphthalene	1300	260	2055	0	65.0	20	130	1422	6.31	20	
2-Methylphenol	1400	260	2055	0	66.4	29	136	1422	4.04	20	
2-Nitroaniline	1400	260	2055	0	70.2	25	137	1527	5.73	20	
2-Nitrophenol	1400	260	2055	0	69.7	13	139	1564	8.74	20	
3+4-Methylphenol	2600	260	4110	0	64.3	10	137	2777	4.93	20	
3-Nitroaniline	1300	260	2055	0	61.9	20	120	1239	2.58	20	
4,6-Dinitro-2-methylphenol	770	510	2055	0	37.6	10	125	1003	25.8	20	R
4-Bromophenyl phenyl ether	1600	260	2055	0	75.8	29	139	1675	7.25	20	
4-Chloro-3-methylphenol	1300	260	2055	0	65.0	25	139	1392	4.07	20	
4-Chloroaniline	1100	260	2055	0	52.4	18	120	860.3	22.4	20	R
4-Chlorophenyl phenyl ether	1400	260	2055	0	69.6	27	136	1514	5.67	20	
4-Nitroaniline	1200	260	2055	0	57.5	23	130	1269	7.07	20	
4-Nitrophenol	1300	510	2055	0	61.3	22	147	1307	3.62	20	
Acenaphthene	1500	260	2055	0	70.9	28	133	1556	6.58	20	
Acenaphthylene	1500	260	2055	0	72.2	22	147	1589	6.87	20	
Acetophenone	1300	260	2055	0	63.7	20	135	1388	5.82	20	
Aniline	940	260	2055	0	45.9	10	110	651.6	36.5	20	R
Anthracene	1500	260	2055	0	72.8	24	140	1585	5.73	20	
Azobenzene	ND	260		0	0	20	151	0	0	20	U
Benzo(a)anthracene	1500	260	2055	0	71.4	20	144	1577	7.20	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	1509110-003BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	BatchQC	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	205411
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(a)pyrene	1400	150	2055	0	70.1	21	143	1532	6.11	20	
Benzo(b)fluoranthene	1400	260	2055	0	70.2	20	145	1510	4.61	20	
Benzo(g,h,i)perylene	1600	260	2055	0	77.1	20	143	1686	6.29	20	
Benzo(k)fluoranthene	1400	260	2055	0	69.8	20	143	1515	5.37	20	
Benzoic acid	150	510	2055	0	7.07	10	120	503.9	110	20	JRS*
Benzyl alcohol	ND	260		0	0	25	125	0	0	20	U
Bis(2-chloroethoxy)methane	1400	260	2055	0	68.0	22	137	1523	8.66	20	
Bis(2-chloroethyl)ether	1300	260	2055	0	64.3	20	143	1524	14.2	20	
Bis(2-chloroisopropyl)ether	1300	260	2055	0	62.6	20	149	1391	7.70	20	
Bis(2-ethylhexyl)phthalate	ND	260		0	0	27	146	0	0	20	U
Butyl benzyl phthalate	ND	260		0	0	20	147	0	0	20	U
Carbazole	ND	260		0	0	27	120	0	0	20	U
Chrysene	1400	260	2055	0	69.8	22	142	1553	7.93	20	
Di-n-butyl phthalate	ND	260		0	0	27	145	0	0	20	U
Di-n-octyl phthalate	ND	510		0	0	28	145	0	0	20	U
Dibenzo(a,h)anthracene	1600	150	2055	0	76.5	23	142	1688	7.16	20	
Dibenzofuran	ND	260		0	0	21	133	0	0	20	U
Diethyl phthalate	ND	260		0	0	19	136	0	0	20	U
Dimethyl phthalate	ND	260		0	0	20	137	0	0	20	U
Fluoranthene	1400	260	2055	0	67.2	20	147	1461	5.68	20	
Fluorene	1400	260	2055	0	67.5	20	138	1515	8.82	20	
Hexachlorobenzene	1500	260	2055	0	74.3	20	140	1653	7.98	20	
Hexachlorobutadiene	1400	260	2055	0	68.3	20	136	1528	8.46	20	
Hexachlorocyclopentadiene	1200	260	2055	0	59.8	4	139	1477	18.3	20	
Hexachloroethane	1400	260	2055	0	67.3	13	139	1463	5.66	20	
Indeno(1,2,3-c,d)pyrene	1600	260	2055	0	80.0	26	144	1706	3.63	20	

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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID	1509110-003BMSD	SampType:	MSD	TestCode:	8270_S	Units:	µg/Kg-dry	Prep Date:	9/21/2015	RunNo:	11087
Client ID:	BatchQC	Batch ID:	6442	TestNo:	SW8270D	SW3546		Analysis Date:	9/22/2015	SeqNo:	205411
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isophorone	ND	260		0	0	24	145	0	0	20	U
N-Nitrosodi-n-propylamine	1300	150	2055	0	61.9	22	146	1347	5.62	20	
N-Nitrosodimethylamine	1200	260	2055	0	57.0	17	134	1252	6.67	20	
N-Nitrosodiphenylamine	1500	260	2055	0	73.8	16	143	1621	6.66	20	
Naphthalene	1400	260	2055	0	67.7	13	143	1510	8.19	20	
Nitrobenzene	ND	260		0	0	20	138	0	0	20	U
Parathion	ND	510		0	0	21	142	0	0	20	U
Pentachlorophenol	1300	510	2055	0	62.6	18	144	1465	13.0	20	
Phenanthrene	1500	260	2055	0	72.1	21	140	1564	5.31	20	
Phenol	1400	260	2055	0	65.9	13	143	1414	4.26	20	
Pyrene	1500	260	2055	0	70.9	19	144	1588	8.66	20	
Pyridine	940	260	2055	0	45.8	17	120	1044	10.3	20	
Surr: 2,4,6-Tribromophenol	1700		2055		81.4	13	137		0	20	
Surr: 2-Fluorobiphenyl	790		1028		77.1	15	128		0	20	
Surr: 2-Fluorophenol	1500		2055		74.1	18	120		0	20	
Surr: 4-Terphenyl-d14	770		1028		74.8	10	138		0	20	
Surr: Nitrobenzene-d5	730		1028		70.7	10	128		0	20	
Surr: Phenol-d6	1400		2055		70.3	10	122		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID MB-6442	SampType: MBLK	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/21/2015	RunNo: 11088						
Client ID: PBS	Batch ID: 6442	TestNo: SW8270D	SW3546	Analysis Date: 9/22/2015	SeqNo: 204643						
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-6442	SampType: LCS	TestCode: 8270_S	Units: µg/Kg	Prep Date: 9/21/2015	RunNo: 11088						
Client ID: LCSS	Batch ID: 6442	TestNo: SW8270D	SW3546	Analysis Date: 9/22/2015	SeqNo: 204644						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	1600	250	2000	0	77.9	10	106				
Atrazine	1700	250	2000	0	83.6	20	130				
Benzaldehyde	1500	500	2000	0	75.9	20	130				
Benzidine	650	500	2000	0	32.6	1	100				
Caprolactam	1500	250	2000	0	73.9	20	130				

Sample ID 1509110-003BMS	SampType: MS	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 9/21/2015	RunNo: 11088						
Client ID: BatchQC	Batch ID: 6442	TestNo: SW8270D	SW3546	Analysis Date: 9/22/2015	SeqNo: 205432						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	1300	260	2062	0	65.1	15	120				
Atrazine	1600	260	2062	0	78.1	50	120				
Benzaldehyde	1400	520	2062	0	69.3	20	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6442

Sample ID 1509110-003BMS	SampType: MS	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 9/21/2015	RunNo: 11088						
Client ID: BatchQC	Batch ID: 6442	TestNo: SW8270D	SW3546	Analysis Date: 9/22/2015	SeqNo: 205432						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine	330	520	2062	0	16.0	1	137				J
Caprolactam	1300	260	2062	0	63.6	20	130				

Sample ID 1509110-003BMSD	SampType: MSD	TestCode: 8270_S	Units: µg/Kg-dry	Prep Date: 9/21/2015	RunNo: 11088						
Client ID: BatchQC	Batch ID: 6442	TestNo: SW8270D	SW3546	Analysis Date: 9/22/2015	SeqNo: 205433						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	1400	260	2055	0	70.5	15	120	0	200	20	R
Atrazine	1500	260	2055	0	74.4	50	120	0	200	20	R
Benzaldehyde	1300	510	2055	0	64.6	20	120	0	200	20	R
Benzidine	540	510	2055	0	26.3	1	137	0	200	20	R
Caprolactam	1300	260	2055	0	61.6	20	130	0	200	20	R

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	LCS-6475	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 9/23/2015	RunNo: 11221					
Client ID: LCSS	Batch ID: 6475	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 207754						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	37	5.0	50.00	0	74.9	42	145				
1,1,2,2-Tetrachloroethane	30	5.0	50.00	0	59.1	44	138				
1,1,2-Trichloroethane	35	5.0	50.00	0	70.4	47	135				
1,1-Dichloroethane	38	5.0	50.00	0	75.6	41	134				
1,1-Dichloroethene	38	5.0	50.00	0	75.9	48	145				
1,2-Dichlorobenzene	32	5.0	50.00	0	64.6	39	124				
1,2-Dichloroethane	37	5.0	50.00	0	74.9	46	140				
1,2-Dichloropropane	36	5.0	50.00	0	71.6	50	124				
1,3-Dichlorobenzene	32	5.0	50.00	0	63.7	24	136				
1,4-Dichlorobenzene	31	5.0	50.00	0	62.1	23	128				
2-Chloroethyl vinyl ether	30	5.0	50.00	0	59.4	21	130				
Benzene	37	5.0	50.00	0	74.4	47	133				
Bromodichloromethane	35	5.0	50.00	0	70.9	48	125				
Bromoform	34	5.0	50.00	0	68.0	27	140				
Bromomethane	45	5.0	50.00	0	90.9	20	153				
Carbon tetrachloride	37	5.0	50.00	0	74.3	49	141				
Chlorobenzene	34	5.0	50.00	0	68.2	45	120				
Chloroethane	54	5.0	50.00	0	108	37	150				
Chloroform	37	5.0	50.00	0	74.0	43	136				
Chloromethane	37	5.0	50.00	0	74.9	27	146				
cis-1,3-Dichloropropene	32	5.0	50.00	0	64.0	47	128				
Dibromochloromethane	35	5.0	50.00	0	69.2	42	137				
Ethylbenzene	36	5.0	50.00	0	72.2	46	131				
Methylene chloride	13	10	50.00	0	25.8	20	120				B
Tetrachloroethene	25	5.0	50.00	0	50.5	33	120				
Toluene	36	5.0	50.00	0	71.6	50	130				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6475	LCS	8260_S	µg/Kg	9/23/2015	11221						
Client ID: LCSS	Batch ID: 6475	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 207754						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	38	5.0	50.00	0	75.4	45	141				
trans-1,3-Dichloropropene	33	5.0	50.00	0	66.0	46	135				
Trichloroethene	37	5.0	50.00	0	73.8	46	129				
Trichlorofluoromethane	46	5.0	50.00	0	91.1	46	151				
Vinyl chloride	44	5.0	50.00	0	88.0	43	153				
Surr: 4-Bromofluorobenzene	48		50.00		95.9	48	136				
Surr: Dibromofluoromethane	52		50.00		104	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6475	MBLK	8260_S	µg/Kg	9/23/2015	11221						
Client ID: PBS	Batch ID: 6475	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 207840						
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	MB-6475	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/23/2015	RunNo:	11221
Client ID:	PBS	Batch ID:	6475	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	207840
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	MB-6475	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/23/2015	RunNo:	11221
Client ID:	PBS	Batch ID:	6475	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	207840
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	7.2	10									J
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



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	MB-6475	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/23/2015	RunNo	11221
Client ID	PBS	Batch ID	6475	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	207840
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	47		50.00		94.0	48	136				
Surr: Dibromofluoromethane	54		50.00		109	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.

Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	LCS-6475	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 9/23/2015	RunNo: 11228					
Client ID: LCSS	Batch ID: 6475	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 208037						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	37	5.0	50.00	0	74.9	42	145				
1,1,2,2-Tetrachloroethane	30	5.0	50.00	0	59.1	44	138				
1,1,2-Trichloroethane	35	5.0	50.00	0	70.4	47	135				
1,1-Dichloroethane	38	5.0	50.00	0	75.6	41	134				
1,1-Dichloroethene	38	5.0	50.00	0	75.9	48	145				
1,2-Dichlorobenzene	32	5.0	50.00	0	64.6	39	124				
1,2-Dichloroethane	37	5.0	50.00	0	74.9	46	140				
1,2-Dichloropropane	36	5.0	50.00	0	71.6	50	124				
1,3-Dichlorobenzene	32	5.0	50.00	0	63.7	24	136				
1,4-Dichlorobenzene	31	5.0	50.00	0	62.1	23	128				
2-Chloroethyl vinyl ether	30	5.0	50.00	0	59.4	21	130				
Benzene	37	5.0	50.00	0	74.4	47	133				
Bromodichloromethane	35	5.0	50.00	0	70.9	48	125				
Bromoform	34	5.0	50.00	0	68.0	27	140				
Bromomethane	45	5.0	50.00	0	90.9	20	153				*
Carbon tetrachloride	37	5.0	50.00	0	74.3	49	141				
Chlorobenzene	34	5.0	50.00	0	68.2	45	120				
Chloroethane	54	5.0	50.00	0	108	37	150				*
Chloroform	37	5.0	50.00	0	74.0	43	136				
Chloromethane	37	5.0	50.00	0	74.9	27	146				
cis-1,3-Dichloropropene	32	5.0	50.00	0	64.0	47	128				
Dibromochloromethane	35	5.0	50.00	0	69.2	42	137				
Ethylbenzene	36	5.0	50.00	0	72.2	46	131				
Methylene chloride	13	10	50.00	0	25.8	20	120				B*
Tetrachloroethene	25	5.0	50.00	0	50.5	33	120				
Toluene	36	5.0	50.00	0	71.6	50	130				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6475	LCS	8260_S	µg/Kg	9/23/2015	11228						
Client ID: LCSS	Batch ID: 6475	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 208037						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	38	5.0	50.00	0	75.4	45	141				
trans-1,3-Dichloropropene	33	5.0	50.00	0	66.0	46	135				
Trichloroethene	37	5.0	50.00	0	73.8	46	129				
Trichlorofluoromethane	46	5.0	50.00	0	91.1	46	151				
Vinyl chloride	44	5.0	50.00	0	88.0	43	153				
Surr: 4-Bromofluorobenzene	48		50.00		95.9	48	136				
Surr: Dibromofluoromethane	52		50.00		104	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6475	MBLK	8260_S	µg/Kg	9/23/2015	11228						
Client ID: PBS	Batch ID: 6475	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 208048						
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	MB-6475	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/23/2015	RunNo:	11228
Client ID:	PBS	Batch ID:	6475	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	208048
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	MB-6475	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/23/2015	RunNo	11228
Client ID	PBS	Batch ID	6475	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	208048
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	7.2	10									J*
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6475

Sample ID	MB-6475	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/23/2015	RunNo	11228
Client ID	PBS	Batch ID	6475	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	208048
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	47		50.00		94.0	48	136				
Surr: Dibromofluoromethane	54		50.00		109	44	154				
Surr: Toluene-d8	51		50.00		102	58	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	LCS-6501	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 9/24/2015	RunNo: 11239					
Client ID: LCSS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 208325						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48	5.0	50.00	0	95.0	42	145				
1,1,2,2-Tetrachloroethane	38	5.0	50.00	0	76.3	44	138				
1,1,2-Trichloroethane	43	5.0	50.00	0	86.7	47	135				
1,1-Dichloroethane	49	5.0	50.00	0	98.1	41	134				
1,1-Dichloroethene	47	5.0	50.00	0	94.3	48	145				
1,2-Dichlorobenzene	42	5.0	50.00	0	84.9	39	124				
1,2-Dichloroethane	47	5.0	50.00	0	94.3	46	140				
1,2-Dichloropropane	45	5.0	50.00	0	89.8	50	124				
1,3-Dichlorobenzene	43	5.0	50.00	0	86.9	24	136				
1,4-Dichlorobenzene	42	5.0	50.00	0	84.4	23	128				
2-Chloroethyl vinyl ether	30	5.0	50.00	0	60.8	21	130				
Benzene	47	5.0	50.00	0	94.3	47	133				
Bromodichloromethane	45	5.0	50.00	0	89.7	48	125				
Bromoform	40	5.0	50.00	0	80.3	27	140				
Bromomethane	41	5.0	50.00	0	82.5	20	153				
Carbon tetrachloride	47	5.0	50.00	0	94.4	49	141				
Chlorobenzene	43	5.0	50.00	0	85.9	45	120				
Chloroethane	50	5.0	50.00	0	100	37	150				
Chloroform	48	5.0	50.00	0	95.2	43	136				
Chloromethane	40	5.0	50.00	0	79.4	27	146				
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.0	47	128				
Dibromochloromethane	43	5.0	50.00	0	85.1	42	137				
Ethylbenzene	46	5.0	50.00	0	91.1	46	131				
Methylene chloride	15	10	50.00	0	29.2	20	120				B
Tetrachloroethene	33	5.0	50.00	0	66.4	33	120				
Toluene	46	5.0	50.00	0	91.0	50	130				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6501	LCS	8260_S	µg/Kg	9/24/2015	11239						
Client ID: LCSS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 208325						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	47	5.0	50.00	0	94.2	45	141				
trans-1,3-Dichloropropene	42	5.0	50.00	0	84.2	46	135				
Trichloroethene	44	5.0	50.00	0	88.6	46	129				
Trichlorofluoromethane	42	5.0	50.00	0	83.2	46	151				
Vinyl chloride	45	5.0	50.00	0	89.3	43	153				
Surr: 4-Bromofluorobenzene	47		50.00		93.0	48	136				
Surr: Dibromofluoromethane	54		50.00		107	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6501	MBLK	8260_S	µg/Kg	9/24/2015	11239						
Client ID: PBS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 208326						
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11239
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	208326
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11239
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	208326
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	6.2	10									J
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



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/24/2015	RunNo	11239
Client ID	PBS	Batch ID	6501	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	208326
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	48		50.00		95.4	48	136				
Surr: Dibromofluoromethane	57		50.00		113	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	LCS-6501	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 9/24/2015	RunNo: 11161					
Client ID: LCSS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 206220						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48	5.0	50.00	0	95.0	42	145				
1,1,2,2-Tetrachloroethane	38	5.0	50.00	0	76.3	44	138				
1,1,2-Trichloroethane	43	5.0	50.00	0	86.7	47	135				
1,1-Dichloroethane	49	5.0	50.00	0	98.1	41	134				
1,1-Dichloroethene	47	5.0	50.00	0	94.3	48	145				
1,2-Dichlorobenzene	42	5.0	50.00	0	84.9	39	124				
1,2-Dichloroethane	47	5.0	50.00	0	94.3	46	140				
1,2-Dichloropropane	45	5.0	50.00	0	89.8	50	124				
1,3-Dichlorobenzene	43	5.0	50.00	0	86.9	24	136				
1,4-Dichlorobenzene	42	5.0	50.00	0	84.4	23	128				
2-Chloroethyl vinyl ether	30	5.0	50.00	0	60.8	21	130				
Benzene	47	5.0	50.00	0	94.3	47	133				
Bromodichloromethane	45	5.0	50.00	0	89.7	48	125				
Bromoform	40	5.0	50.00	0	80.3	27	140				
Bromomethane	41	5.0	50.00	0	82.5	20	153				
Carbon tetrachloride	47	5.0	50.00	0	94.4	49	141				
Chlorobenzene	43	5.0	50.00	0	85.9	45	120				
Chloroethane	50	5.0	50.00	0	100	37	150				
Chloroform	48	5.0	50.00	0	95.2	43	136				
Chloromethane	40	5.0	50.00	0	79.4	27	146				
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.0	47	128				
Dibromochloromethane	43	5.0	50.00	0	85.1	42	137				
Ethylbenzene	46	5.0	50.00	0	91.1	46	131				
Methylene chloride	15	10	50.00	0	29.2	20	120				B*
Tetrachloroethene	33	5.0	50.00	0	66.4	33	120				
Toluene	46	5.0	50.00	0	91.0	50	130				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6501	LCS	8260_S	µg/Kg	9/24/2015	11161						
Client ID: LCSS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 206220						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	47	5.0	50.00	0	94.2	45	141				
trans-1,3-Dichloropropene	42	5.0	50.00	0	84.2	46	135				
Trichloroethene	44	5.0	50.00	0	88.6	46	129				
Trichlorofluoromethane	42	5.0	50.00	0	83.2	46	151				
Vinyl chloride	45	5.0	50.00	0	89.3	43	153				
Surr: 4-Bromofluorobenzene	47		50.00		93.0	48	136				
Surr: Dibromofluoromethane	54		50.00		107	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6501	MBLK	8260_S	µg/Kg	9/24/2015	11161						
Client ID: PBS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 206221						
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11161
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	206221
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/24/2015	RunNo	11161
Client ID	PBS	Batch ID	6501	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	206221
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	6.2	10									J*
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11161
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	206221
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	48		50.00		95.4	48	136				
Surr: Dibromofluoromethane	57		50.00		113	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	LCS-6501	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 9/24/2015	RunNo: 11193					
Client ID: LCSS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 206984						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48	5.0	50.00	0	95.0	42	145				
1,1,2,2-Tetrachloroethane	38	5.0	50.00	0	76.3	44	138				
1,1,2-Trichloroethane	43	5.0	50.00	0	86.7	47	135				
1,1-Dichloroethane	49	5.0	50.00	0	98.1	41	134				
1,1-Dichloroethene	47	5.0	50.00	0	94.3	48	145				
1,2-Dichlorobenzene	42	5.0	50.00	0	84.9	39	124				
1,2-Dichloroethane	47	5.0	50.00	0	94.3	46	140				
1,2-Dichloropropane	45	5.0	50.00	0	89.8	50	124				
1,3-Dichlorobenzene	43	5.0	50.00	0	86.9	24	136				
1,4-Dichlorobenzene	42	5.0	50.00	0	84.4	23	128				
2-Chloroethyl vinyl ether	30	5.0	50.00	0	60.8	21	130				
Benzene	47	5.0	50.00	0	94.3	47	133				
Bromodichloromethane	45	5.0	50.00	0	89.7	48	125				
Bromoform	40	5.0	50.00	0	80.3	27	140				
Bromomethane	41	5.0	50.00	0	82.5	20	153				
Carbon tetrachloride	47	5.0	50.00	0	94.4	49	141				
Chlorobenzene	43	5.0	50.00	0	85.9	45	120				
Chloroethane	50	5.0	50.00	0	100	37	150				
Chloroform	48	5.0	50.00	0	95.2	43	136				
Chloromethane	40	5.0	50.00	0	79.4	27	146				
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.0	47	128				
Dibromochloromethane	43	5.0	50.00	0	85.1	42	137				
Ethylbenzene	46	5.0	50.00	0	91.1	46	131				
Methylene chloride	15	10	50.00	0	29.2	20	120				B*
Tetrachloroethene	33	5.0	50.00	0	66.4	33	120				
Toluene	46	5.0	50.00	0	91.0	50	130				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6501	LCS	8260_S	µg/Kg	9/24/2015	11193						
Client ID: LCSS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 206984						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	47	5.0	50.00	0	94.2	45	141				
trans-1,3-Dichloropropene	42	5.0	50.00	0	84.2	46	135				
Trichloroethene	44	5.0	50.00	0	88.6	46	129				
Trichlorofluoromethane	42	5.0	50.00	0	83.2	46	151				
Vinyl chloride	45	5.0	50.00	0	89.3	43	153				
Surr: 4-Bromofluorobenzene	47		50.00		93.0	48	136				
Surr: Dibromofluoromethane	54		50.00		107	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6501	MBLK	8260_S	µg/Kg	9/24/2015	11193						
Client ID: PBS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 206985						
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11193
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	206985
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/24/2015	RunNo	11193
Client ID	PBS	Batch ID	6501	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	206985
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	6.2	10									J*
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/24/2015	RunNo	11193
Client ID	PBS	Batch ID	6501	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	206985
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	48		50.00		95.4	48	136				
Surr: Dibromofluoromethane	57		50.00		113	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6501	LCS	8260_S	µg/Kg	9/24/2015	11217						
Client ID	Batch ID	TestNo		Analysis Date	SeqNo						
LCSS	6501	SW8260C	SW5035A	9/24/2015	207575						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48	5.0	50.00	0	95.0	42	145				
1,1,2,2-Tetrachloroethane	38	5.0	50.00	0	76.3	44	138				
1,1,2-Trichloroethane	43	5.0	50.00	0	86.7	47	135				
1,1-Dichloroethane	49	5.0	50.00	0	98.1	41	134				
1,1-Dichloroethene	47	5.0	50.00	0	94.3	48	145				
1,2-Dichlorobenzene	42	5.0	50.00	0	84.9	39	124				
1,2-Dichloroethane	47	5.0	50.00	0	94.3	46	140				
1,2-Dichloropropane	45	5.0	50.00	0	89.8	50	124				
1,3-Dichlorobenzene	43	5.0	50.00	0	86.9	24	136				
1,4-Dichlorobenzene	42	5.0	50.00	0	84.4	23	128				
2-Chloroethyl vinyl ether	30	5.0	50.00	0	60.8	21	130				
Benzene	47	5.0	50.00	0	94.3	47	133				
Bromodichloromethane	45	5.0	50.00	0	89.7	48	125				
Bromoform	40	5.0	50.00	0	80.3	27	140				
Bromomethane	41	5.0	50.00	0	82.5	20	153				
Carbon tetrachloride	47	5.0	50.00	0	94.4	49	141				
Chlorobenzene	43	5.0	50.00	0	85.9	45	120				
Chloroethane	50	5.0	50.00	0	100	37	150				
Chloroform	48	5.0	50.00	0	95.2	43	136				
Chloromethane	40	5.0	50.00	0	79.4	27	146				
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.0	47	128				
Dibromochloromethane	43	5.0	50.00	0	85.1	42	137				
Ethylbenzene	46	5.0	50.00	0	91.1	46	131				
Methylene chloride	15	10	50.00	0	29.2	20	120				B
Tetrachloroethene	33	5.0	50.00	0	66.4	33	120				
Toluene	46	5.0	50.00	0	91.0	50	130				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6501	LCS	8260_S	µg/Kg	9/24/2015	11217						
Client ID: LCSS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 207575						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	47	5.0	50.00	0	94.2	45	141				
trans-1,3-Dichloropropene	42	5.0	50.00	0	84.2	46	135				
Trichloroethene	44	5.0	50.00	0	88.6	46	129				
Trichlorofluoromethane	42	5.0	50.00	0	83.2	46	151				
Vinyl chloride	45	5.0	50.00	0	89.3	43	153				
Surr: 4-Bromofluorobenzene	47		50.00		93.0	48	136				
Surr: Dibromofluoromethane	54		50.00		107	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6501	MBLK	8260_S	µg/Kg	9/24/2015	11217						
Client ID: PBS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 207576						
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11217
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	207576
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11217
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	207576
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	6.2	10									J
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/24/2015	RunNo	11217
Client ID	PBS	Batch ID	6501	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	207576
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	48		50.00		95.4	48	136				
Surr: Dibromofluoromethane	57		50.00		113	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	1509139-001AMS	SampType:	MS	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	9/24/2015	RunNo:	11217
Client ID:	BatchQC	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	207578
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	43	5.3	52.64	0	81.2	22	144				
1,1,2,2-Tetrachloroethane	28	5.3	52.64	0	53.9	21	133				
1,1,2-Trichloroethane	34	5.3	52.64	0	65.0	24	130				
1,1-Dichloroethane	44	5.3	52.64	0	84.5	29	138				
1,1-Dichloroethene	45	5.3	52.64	0	85.5	25	143				
1,2-Dichlorobenzene	27	5.3	52.64	0	52.2	14	130				
1,2-Dichloroethane	36	5.3	52.64	0	68.5	24	137				
1,2-Dichloropropane	40	5.3	52.64	0	75.1	30	132				
1,3-Dichlorobenzene	30	5.3	52.64	0	56.4	14	131				
1,4-Dichlorobenzene	29	5.3	52.64	0	55.2	19	128				
2-Chloroethyl vinyl ether	26	5.3	52.64	0	48.7	13	123				
Benzene	42	5.3	52.64	0	79.4	20	142				
Bromodichloromethane	38	5.3	52.64	0	71.4	24	126				
Bromoform	30	5.3	52.64	0	56.7	20	135				
Bromomethane	36	5.3	52.64	0	67.5	21	137				
Carbon tetrachloride	41	5.3	52.64	0	78.8	20	143				
Chlorobenzene	36	5.3	52.64	0	69.1	21	129				
Chloroethane	51	5.3	52.64	0	96.6	25	147				
Chloroform	42	5.3	52.64	0	80.2	34	133				
Chloromethane	35	5.3	52.64	0	67.2	30	148				
cis-1,3-Dichloropropene	30	5.3	52.64	0	56.2	20	130				
Dibromochloromethane	34	5.3	52.64	0	64.9	20	130				
Ethylbenzene	40	5.3	52.64	0	75.7	20	130				
Methylene chloride	14	11	52.64	5.800	16.5	20	130				BS
Tetrachloroethene	29	5.3	52.64	0	55.7	20	120				
Toluene	41	5.3	52.64	0	77.3	21	142				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	1509139-001AMS	SampType:	MS	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	9/24/2015	RunNo:	11217
Client ID:	BatchQC	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	207578
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	44	5.3	52.64	0	83.1	28	132				
trans-1,3-Dichloropropene	30	5.3	52.64	0	57.4	20	130				
Trichloroethene	40	5.3	52.64	0	75.0	22	147				
Trichlorofluoromethane	40	5.3	52.64	0	76.1	42	149				
Vinyl chloride	41	5.3	52.64	0	78.8	35	152				
Surr: 4-Bromofluorobenzene	48		52.64		90.4	48	136				
Surr: Dibromofluoromethane	51		52.64		96.9	44	154				
Surr: Toluene-d8	54		52.64		102	58	141				

Sample ID	1509139-001AMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	9/24/2015	RunNo:	11217
Client ID:	BatchQC	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	207579
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	42	5.1	50.60	0	83.6	22	144	42.76	1.12	20	
1,1,1,2-Tetrachloroethane	31	5.1	50.60	0	61.9	21	133	28.35	9.94	20	
1,1,2-Trichloroethane	32	5.1	50.60	0	63.8	24	130	34.23	5.79	20	
1,1-Dichloroethane	45	5.1	50.60	0	88.1	29	138	44.46	0.281	20	
1,1-Dichloroethene	42	5.1	50.60	0	83.7	25	143	45.02	6.11	20	
1,2-Dichlorobenzene	28	5.1	50.60	0	54.6	14	130	27.46	0.684	20	
1,2-Dichloroethane	37	5.1	50.60	0	73.7	24	137	36.06	3.36	20	
1,2-Dichloropropane	39	5.1	50.60	0	77.6	30	132	39.52	0.685	20	
1,3-Dichlorobenzene	30	5.1	50.60	0	59.6	14	131	29.71	1.45	20	
1,4-Dichlorobenzene	30	5.1	50.60	0	58.5	19	128	29.06	1.88	20	
2-Chloroethyl vinyl ether	24	5.1	50.60	0	47.9	13	123	25.63	5.49	20	
Benzene	42	5.1	50.60	0	82.6	20	142	41.80	0.00978	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509097

29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	1509139-001AMSD	SampType:	MSD	TestCode:	8260_S	Units:	µg/Kg-dry	Prep Date:	9/24/2015	RunNo:	11217
Client ID:	BatchQC	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	207579
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromodichloromethane	38	5.1	50.60	0	74.3	24	126	37.57	0.103	20	
Bromoform	32	5.1	50.60	0	64.2	20	135	29.83	8.47	20	
Bromomethane	33	5.1	50.60	0	64.9	21	137	35.53	7.92	20	
Carbon tetrachloride	41	5.1	50.60	0	81.0	20	143	41.49	1.21	20	
Chlorobenzene	36	5.1	50.60	0	71.2	21	129	36.35	0.909	20	
Chloroethane	47	5.1	50.60	0	92.6	25	147	50.83	8.19	20	
Chloroform	43	5.1	50.60	0	84.1	34	133	42.23	0.762	20	
Chloromethane	33	5.1	50.60	0	64.2	30	148	35.37	8.43	20	
cis-1,3-Dichloropropene	26	5.1	50.60	0	52.3	20	130	29.56	11.0	20	
Dibromochloromethane	32	5.1	50.60	0	62.7	20	130	34.15	7.41	20	
Ethylbenzene	40	5.1	50.60	0	78.5	20	130	39.87	0.356	20	
Methylene chloride	15	10	50.60	5.800	18.6	20	130	14.47	4.95	20	BS
Tetrachloroethene	27	5.1	50.60	0	53.8	20	120	29.30	7.32	20	
Toluene	39	5.1	50.60	0	76.2	21	142	40.69	5.45	20	
trans-1,2-Dichloroethene	44	5.1	50.60	0	86.3	28	132	43.76	0.230	20	
trans-1,3-Dichloropropene	27	5.1	50.60	0	54.3	20	130	30.24	9.61	20	
Trichloroethene	38	5.1	50.60	0	75.9	22	147	39.50	2.87	20	
Trichlorofluoromethane	36	5.1	50.60	0	70.9	42	149	40.08	11.1	20	
Vinyl chloride	37	5.1	50.60	0	74.0	35	152	41.48	10.3	20	
Surr: 4-Bromofluorobenzene	45		50.60		89.5	48	136		0	20	
Surr: Dibromofluoromethane	52		50.60		102	44	154		0	20	
Surr: Toluene-d8	50		50.60		99.6	58	141		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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

QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	LCS-6501	SampType: LCS	TestCode: 8260_S	Units: µg/Kg	Prep Date: 9/24/2015	RunNo: 11231					
Client ID: LCSS	Batch ID: 6501	TestNo: SW8260C	SW5035A	Analysis Date: 9/24/2015	SeqNo: 208066						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	48	5.0	50.00	0	95.0	42	145				
1,1,2,2-Tetrachloroethane	38	5.0	50.00	0	76.3	44	138				
1,1,2-Trichloroethane	43	5.0	50.00	0	86.7	47	135				
1,1-Dichloroethane	49	5.0	50.00	0	98.1	41	134				
1,1-Dichloroethene	47	5.0	50.00	0	94.3	48	145				
1,2-Dichlorobenzene	42	5.0	50.00	0	84.9	39	124				
1,2-Dichloroethane	47	5.0	50.00	0	94.3	46	140				
1,2-Dichloropropane	45	5.0	50.00	0	89.8	50	124				
1,3-Dichlorobenzene	43	5.0	50.00	0	86.9	24	136				
1,4-Dichlorobenzene	42	5.0	50.00	0	84.4	23	128				
2-Chloroethyl vinyl ether	30	5.0	50.00	0	60.8	21	130				
Benzene	47	5.0	50.00	0	94.3	47	133				
Bromodichloromethane	45	5.0	50.00	0	89.7	48	125				
Bromoform	40	5.0	50.00	0	80.3	27	140				
Bromomethane	41	5.0	50.00	0	82.5	20	153				
Carbon tetrachloride	47	5.0	50.00	0	94.4	49	141				
Chlorobenzene	43	5.0	50.00	0	85.9	45	120				
Chloroethane	50	5.0	50.00	0	100	37	150				
Chloroform	48	5.0	50.00	0	95.2	43	136				
Chloromethane	40	5.0	50.00	0	79.4	27	146				
cis-1,3-Dichloropropene	41	5.0	50.00	0	82.0	47	128				
Dibromochloromethane	43	5.0	50.00	0	85.1	42	137				
Ethylbenzene	46	5.0	50.00	0	91.1	46	131				
Methylene chloride	15	10	50.00	0	29.2	20	120				B*
Tetrachloroethene	33	5.0	50.00	0	66.4	33	120				
Toluene	46	5.0	50.00	0	91.0	50	130				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509097**
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	LCS-6501	SampType:	LCS	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11231					
Client ID:	LCSS	Batch ID:	6501	TestNo:	SW8260C		SW5035A	Analysis Date:	9/24/2015	SeqNo:	208066					
Analyte		Result		PQL		SPK value		SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene		47		5.0		50.00		0		94.2	45	141				
trans-1,3-Dichloropropene		42		5.0		50.00		0		84.2	46	135				
Trichloroethene		44		5.0		50.00		0		88.6	46	129				
Trichlorofluoromethane		42		5.0		50.00		0		83.2	46	151				
Vinyl chloride		45		5.0		50.00		0		89.3	43	153				
Surr: 4-Bromofluorobenzene		47				50.00				93.0	48	136				
Surr: Dibromofluoromethane		54				50.00				107	44	154				
Surr: Toluene-d8		51				50.00				101	58	141				

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11231					
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C		SW5035A	Analysis Date:	9/24/2015	SeqNo:	208067					
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/24/2015	RunNo	11231
Client ID	PBS	Batch ID	6501	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	208067
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType:	MBLK	TestCode:	8260_S	Units:	µg/Kg	Prep Date:	9/24/2015	RunNo:	11231
Client ID:	PBS	Batch ID:	6501	TestNo:	SW8260C	SW5035A		Analysis Date:	9/24/2015	SeqNo:	208067
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	6.2	10									J*
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



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QC SUMMARY REPORT

WO#: 1509097
 29-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6501

Sample ID	MB-6501	SampType	MBLK	TestCode	8260_S	Units	µg/Kg	Prep Date	9/24/2015	RunNo	11231
Client ID	PBS	Batch ID	6501	TestNo	SW8260C	SW5035A		Analysis Date	9/24/2015	SeqNo	208067
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	48		50.00		95.4	48	136				
Surr: Dibromofluoromethane	57		50.00		113	44	154				
Surr: Toluene-d8	51		50.00		101	58	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

APPENDIX E

Laboratory Data Deliverables Groundwater Analytical Data



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September 25, 2015

William Fitchett
CA Rich Consultants Inc.
17 Dupont Street
Plainview, NY 11803
TEL: (516) 576-8844
FAX (516) 576-0093

RE: 1815 West Farms Road, Bronx, NY

Order No.: 1509098

Dear William Fitchett:

American Analytical Laboratories, LLC. received 5 sample(s) on 9/14/2015 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
Lab Director
American Analytical Laboratories, LLC.



American Analytical Laboratories, LLC.
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Workorder Sample Summary

WO#: 1509098

28-Sep-15

CLIENT: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

Lab SampleID	Client Sample ID	Tag No	Date Collected	Date Received	Matrix
1509098-001A	MW-1		9/14/2015 11:45:00 AM	9/14/2015 4:45:00 PM	Liquid
1509098-001B	MW-1		9/14/2015 11:45:00 AM	9/14/2015 4:45:00 PM	Liquid
1509098-001C	MW-1		9/14/2015 11:45:00 AM	9/14/2015 4:45:00 PM	Liquid
1509098-001D	MW-1		9/14/2015 11:45:00 AM	9/14/2015 4:45:00 PM	Liquid
1509098-002A	MW-2		9/14/2015 12:15:00 PM	9/14/2015 4:45:00 PM	Liquid
1509098-002B	MW-2		9/14/2015 12:15:00 PM	9/14/2015 4:45:00 PM	Liquid
1509098-002C	MW-2		9/14/2015 12:15:00 PM	9/14/2015 4:45:00 PM	Liquid
1509098-002D	MW-2		9/14/2015 12:15:00 PM	9/14/2015 4:45:00 PM	Liquid
1509098-003A	MW-3		9/14/2015 11:30:00 AM	9/14/2015 4:45:00 PM	Liquid
1509098-003B	MW-3		9/14/2015 11:30:00 AM	9/14/2015 4:45:00 PM	Liquid
1509098-003C	MW-3		9/14/2015 11:30:00 AM	9/14/2015 4:45:00 PM	Liquid
1509098-003D	MW-3		9/14/2015 11:30:00 AM	9/14/2015 4:45:00 PM	Liquid
1509098-004A	Field Blank		9/14/2015	9/14/2015 4:45:00 PM	Liquid
1509098-004B	Field Blank		9/14/2015	9/14/2015 4:45:00 PM	Liquid
1509098-004C	Field Blank		9/14/2015	9/14/2015 4:45:00 PM	Liquid
1509098-005A	Trip Blank		9/14/2015	9/14/2015 4:45:00 PM	Liquid



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Sample Log-In Check List

Client Name: **CA RICH**

Work Order Number: **1509098**

RcptNo: **1**

Logged by:	Lori Beyer	9/14/2015 5:09:40 PM	<i>Lori Beyer</i>
Completed By:	Lori Beyer	9/14/2015 5:10:27 PM	<i>Lori Beyer</i>
Reviewed By:	Karen Kelly	9/15/2015	<i>Karen Kelly</i>

Chain of Custody

1. Is Chain of Custody complete? Yes No Not Present
 2. How was the sample delivered? Client

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:	<input type="text"/>	Date	<input type="text"/>
By Whom:	<input type="text"/>	Via:	<input type="checkbox"/> eMail <input type="checkbox"/> Phone <input type="checkbox"/> Fax <input type="checkbox"/> In Person
Regarding:	<input type="text"/>		
Client Instructions:	<input type="text"/>		

18. Additional remarks:

Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
-----------	---------	-----------	-------------	---------	-----------	-----------



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Case Narrative

WO#: 1509098
Date: 9/25/2015

CLIENT: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, 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.

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 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 Chloride by ASTM C1152, Water Soluble Chloride by ASTM C1218, 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.



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Case Narrative

WO#: 1509098
Date: 9/25/2015

CLIENT: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

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.



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Definition Only

WO#: 1509098
Date: 9/25/2015

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 accuracy.

m - Analyte was manually integrated for GC/MS.

+ - Concentration exceeds regulatory level for TCLP

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-1
Lab Order:	1509098	Collection Date:	9/14/2015 11:45:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
1,1,1,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,1,2,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,1,2-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,1-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2,3-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2,3-Trichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 3:39:00 PM
1,2,4-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2-Dibromo-3-chloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2-Dibromoethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,3,5-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,3-dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
2,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
2-Butanone	ND	1	4.0	U*	µg/L	1	9/21/2015 3:39:00 PM
2-Chloroethyl vinyl ether	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
2-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
2-Hexanone	ND	1	4.0	U	µg/L	1	9/21/2015 3:39:00 PM
2-Propanol	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
4-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
4-Isopropyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
4-Methyl-2-pentanone	ND	1	4.0	U	µg/L	1	9/21/2015 3:39:00 PM
Acetone	2.8	1	4.0	BJm*	µg/L	1	9/21/2015 3:39:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-1
Lab Order:	1509098	Collection Date:	9/14/2015 11:45:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-001A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
Benzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Bromobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Bromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Bromodichloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Bromoform	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Bromomethane	ND	1	4.0	U	µg/L	1	9/21/2015 3:39:00 PM
Carbon disulfide	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Chlorodifluoromethane	ND	0.3	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Chloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Chloroform	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Chloromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
cis-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Cyclohexane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
Dibromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Dibromomethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Dichlorodifluoromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
Diisopropyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	9/21/2015 3:39:00 PM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Freon-114	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
Hexachlorobutadiene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Isopropylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
m,p-Xylene	ND	1	4.0	U	µg/L	1	9/21/2015 3:39:00 PM
Methyl Acetate	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
Methyl tert-butyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
Methylene chloride	10	0.5	2.0	B*	µg/L	1	9/21/2015 3:39:00 PM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
n-Propylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Naphthalene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
o-Xylene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418**CLIENT:** CA Rich Consultants Inc.**Client Sample ID:** MW-1**Lab Order:** 1509098**Collection Date:** 9/14/2015 11:45:00 AM**Project:** 1815 West Farms Road, Bronx, NY**Matrix:** LIQUID**Lab ID:** 1509098-001A**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5030C			Analyst: KSS
p-Diethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
p-Ethyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Styrene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
t-Butyl alcohol	ND	2.5	10	U*	µg/L	1	9/21/2015 3:39:00 PM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Tetrachloroethene	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:39:00 PM
Toluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
trans-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Trichlorofluoromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Vinyl acetate	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:39:00 PM
Surr: 4-Bromofluorobenzene	88.4	0	76-123		%REC	1	9/21/2015 3:39:00 PM
Surr: Dibromofluoromethane	104	0	71-132		%REC	1	9/21/2015 3:39:00 PM
Surr: Toluene-d8	101	0	80-120		%REC	1	9/21/2015 3:39:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509098
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509098-001B

Client Sample ID: MW-1
Collection Date: 9/14/2015 11:45:00 AM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			SW8082A		SW3510C		Analyst: SB
Aroclor 1016	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Aroclor 1221	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Aroclor 1232	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Aroclor 1242	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Aroclor 1248	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Aroclor 1254	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Aroclor 1260	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Aroclor 1262	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Aroclor 1268	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:09:00 AM
Surr: DCB	95.2	0	20-148		%REC	1	9/18/2015 2:09:00 AM
Surr: DCB	94.8	0	20-148		%REC	1	9/18/2015 2:09:00 AM
Surr: TCX	102	0	18-144		%REC	1	9/18/2015 2:09:00 AM
Surr: TCX	92.7	0	18-144		%REC	1	9/18/2015 2:09:00 AM
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3510C		Analyst: SB
4,4'-DDD	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
4,4'-DDE	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
4,4'-DDT	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Aldrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
alpha-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
alpha-Chlordane	ND	0.05	0.25	U	µg/L	1	9/17/2015 7:19:00 PM
beta-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Chlorobenzilate	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
DBCP	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
delta-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Dieldrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Endosulfan I	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Endosulfan II	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Endosulfan sulfate	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Endrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Endrin aldehyde	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Endrin ketone	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
gamma-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: MW-1
Lab Order: 1509098	Collection Date: 9/14/2015 11:45:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: LIQUID
Lab ID: 1509098-001B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3510C		Analyst: SB
gamma-Chlordane	ND	0.05	0.25	U	µg/L	1	9/17/2015 7:19:00 PM
Heptachlor	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Heptachlor epoxide	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Hexachlorobenzene	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Hexachlorocyclopentadiene	ND	0.03	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Methoxychlor	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:19:00 PM
Toxaphene	ND	0.06	0.50	U	µg/L	1	9/17/2015 7:19:00 PM
Surr: DCB	97.0	0	28-144		%REC	1	9/17/2015 7:19:00 PM
Surr: DCB	97.0	0	28-144		%REC	1	9/17/2015 7:19:00 PM
Surr: TCX	100	0	22-142		%REC	1	9/17/2015 7:19:00 PM
Surr: TCX	94.7	0	22-142		%REC	1	9/17/2015 7:19:00 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Biphenyl	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
1,2,4-Trichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
1,2-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
1,3-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
1,4-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2,4,5-Trichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2,4,6-Trichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2,4-Dichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2,4-Dimethylphenol	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
2,4-Dinitrophenol	ND	1	10	U*	µg/L	1	9/21/2015 10:00:00 PM
2,4-Dinitrotoluene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2,6-Dinitrotoluene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2-Chloronaphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2-Chlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2-Methylnaphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2-Methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2-Nitroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
2-Nitrophenol	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
3+4-Methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
3,3'-Dichlorobenzidine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: MW-1
Lab Order: 1509098	Collection Date: 9/14/2015 11:45:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: LIQUID
Lab ID: 1509098-001B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
3-Nitroaniline	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
4,6-Dinitro-2-methylphenol	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
4-Bromophenyl phenyl ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
4-Chloro-3-methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
4-Chloroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
4-Chlorophenyl phenyl ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
4-Nitroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
4-Nitrophenol	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
Acenaphthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Acenaphthylene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Acetophenone	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Aniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Atrazine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Azobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Benzaldehyde	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
Benzidine	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
Benzo(a)anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Benzo(a)pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Benzo(b)fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Benzo(g,h,i)perylene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Benzo(k)fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Benzoic acid	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
Benzyl alcohol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Bis(2-chloroethoxy)methane	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Bis(2-chloroethyl)ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Bis(2-chloroisopropyl)ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Bis(2-ethylhexyl)phthalate	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
Butyl benzyl phthalate	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
Caprolactam	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Carbazole	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Chrysene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Di-n-butyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: MW-1
Lab Order: 1509098	Collection Date: 9/14/2015 11:45:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: LIQUID
Lab ID: 1509098-001B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Di-n-octyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Dibenzo(a,h)anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Dibenzofuran	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Diethyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Dimethyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Fluorene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Hexachlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Hexachlorobutadiene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Hexachlorocyclopentadiene	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
Hexachloroethane	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Indeno(1,2,3-c,d)pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Isophorone	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
N-Nitrosodi-n-propylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
N-Nitrosodimethylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
N-Nitrosodiphenylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Naphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Nitrobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Parathion	ND	1	10	U	µg/L	1	9/21/2015 10:00:00 PM
Pentachlorophenol	ND	1	10	U*	µg/L	1	9/21/2015 10:00:00 PM
Phenanthrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Phenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Pyridine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:00:00 PM
Surr: 2,4,6-Tribromophenol	76.5	0	25-138		%REC	1	9/21/2015 10:00:00 PM
Surr: 2-Fluorobiphenyl	84.2	0	17-140		%REC	1	9/21/2015 10:00:00 PM
Surr: 2-Fluorophenol	43.2	0	13-130		%REC	1	9/21/2015 10:00:00 PM
Surr: 4-Terphenyl-d14	81.0	0	10-147		%REC	1	9/21/2015 10:00:00 PM
Surr: Nitrobenzene-d5	73.3	0	10-140		%REC	1	9/21/2015 10:00:00 PM
Surr: Phenol-d6	24.7	0	10-141		%REC	1	9/21/2015 10:00:00 PM



American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-1
Lab Order:	1509098	Collection Date:	9/14/2015 11:45:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-001C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			E245.1 REV3.0	E245.1 REV3.0			Analyst: JP
Mercury	ND	0.0002	0.000300	U	mg/L	1	9/17/2015 11:25:35 AM
TOTAL METALS			E200.7 REV4.4	E200.7 REV4.4			Analyst: JP
Aluminum	111	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Antimony	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:36:03 PM
Arsenic	0.0135	0.01	0.0250	J	mg/L	1	9/21/2015 12:36:03 PM
Barium	1.32	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Beryllium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:36:03 PM
Cadmium	ND	0.005	0.0100	U	mg/L	1	9/21/2015 12:36:03 PM
Calcium	84.4	0.005	0.0250		mg/L	1	9/21/2015 12:36:03 PM
Chromium	0.211	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Cobalt	0.0155	0.005	0.0200	J	mg/L	1	9/21/2015 12:36:03 PM
Copper	0.619	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Iron	139	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Lead	0.830	0.005	0.0150		mg/L	1	9/21/2015 12:36:03 PM
Magnesium	48.6	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Manganese	3.63	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Nickel	0.329	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Potassium	42.5	0.05	0.200		mg/L	1	9/21/2015 12:36:03 PM
Selenium	ND	0.01	0.0250	U	mg/L	1	9/21/2015 12:36:03 PM
Silver	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:36:03 PM
Sodium	28.3	0.01	0.0300		mg/L	1	9/21/2015 12:36:03 PM
Thallium	ND	0.01	0.0150	U	mg/L	1	9/21/2015 12:36:03 PM
Vanadium	0.242	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM
Zinc	0.639	0.005	0.0200		mg/L	1	9/21/2015 12:36:03 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-1
Lab Order:	1509098	Collection Date:	9/14/2015 11:45:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-001D		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY-DISSOLVED			E245.1 REV3.0	E245.1 REV3.0			Analyst: JP
Mercury	ND	0.0002	0.000250	U	mg/L	1	9/17/2015 11:32:13 AM
DISSOLVED METALS			E200.7 REV4.4	E200.7 REV4.4			Analyst: JP
Aluminum	0.0577	0.005	0.0200		mg/L	1	9/21/2015 10:59:26 AM
Antimony	ND	0.005	0.0200	U	mg/L	1	9/21/2015 10:59:26 AM
Arsenic	ND	0.01	0.0250	U	mg/L	1	9/21/2015 10:59:26 AM
Barium	0.221	0.005	0.0200		mg/L	1	9/21/2015 10:59:26 AM
Beryllium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 10:59:26 AM
Cadmium	ND	0.005	0.0100	U	mg/L	1	9/21/2015 10:59:26 AM
Calcium	77.7	0.005	0.0250		mg/L	1	9/21/2015 10:59:26 AM
Chromium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 10:59:26 AM
Cobalt	ND	0.005	0.0200	U	mg/L	1	9/21/2015 10:59:26 AM
Copper	0.00811	0.005	0.0200	J	mg/L	1	9/21/2015 10:59:26 AM
Iron	0.0599	0.005	0.0200		mg/L	1	9/21/2015 10:59:26 AM
Lead	0.306	0.005	0.0150		mg/L	1	9/21/2015 10:59:26 AM
Magnesium	12.2	0.005	0.0200		mg/L	1	9/21/2015 10:59:26 AM
Manganese	0.357	0.005	0.0200		mg/L	1	9/21/2015 10:59:26 AM
Nickel	ND	0.005	0.0200	U	mg/L	1	9/21/2015 10:59:26 AM
Potassium	10.6	0.05	0.100		mg/L	1	9/21/2015 10:59:26 AM
Selenium	ND	0.01	0.0250	U	mg/L	1	9/21/2015 10:59:26 AM
Silver	ND	0.005	0.0200	U	mg/L	1	9/21/2015 10:59:26 AM
Sodium	27.4	0.01	0.0300		mg/L	1	9/21/2015 10:59:26 AM
Thallium	ND	0.01	0.0150	U	mg/L	1	9/21/2015 10:59:26 AM
Vanadium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 10:59:26 AM
Zinc	0.0181	0.005	0.0200	J	mg/L	1	9/21/2015 10:59:26 AM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: MW-2

Lab Order: 1509098

Collection Date: 9/14/2015 12:15:00 PM

Project: 1815 West Farms Road, Bronx, NY

Matrix: LIQUID

Lab ID: 1509098-002A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
1,1,1,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,1,2,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,1,2-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,1-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2,3-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2,3-Trichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 4:07:00 PM
1,2,4-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2-Dibromo-3-chloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2-Dibromoethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,3,5-Trimethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 4:07:00 PM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,3-dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
2,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
2-Butanone	ND	1	4.0	U*	µg/L	1	9/21/2015 4:07:00 PM
2-Chloroethyl vinyl ether	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
2-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
2-Hexanone	ND	1	4.0	U	µg/L	1	9/21/2015 4:07:00 PM
2-Propanol	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:07:00 PM
4-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
4-Isopropyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
4-Methyl-2-pentanone	ND	1	4.0	U	µg/L	1	9/21/2015 4:07:00 PM
Acetone	2.3	1	4.0	BJ*	µg/L	1	9/21/2015 4:07:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: MW-2

Lab Order: 1509098

Collection Date: 9/14/2015 12:15:00 PM

Project: 1815 West Farms Road, Bronx, NY

Matrix: LIQUID

Lab ID: 1509098-002A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
Benzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Bromobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Bromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Bromodichloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Bromoform	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Bromomethane	ND	1	4.0	U	µg/L	1	9/21/2015 4:07:00 PM
Carbon disulfide	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Chlorodifluoromethane	ND	0.3	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Chloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Chloroform	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Chloromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:07:00 PM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
cis-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Cyclohexane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:07:00 PM
Dibromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Dibromomethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Dichlorodifluoromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:07:00 PM
Diisopropyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:07:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	9/21/2015 4:07:00 PM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Freon-114	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:07:00 PM
Hexachlorobutadiene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Isopropylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
m,p-Xylene	ND	1	4.0	U	µg/L	1	9/21/2015 4:07:00 PM
Methyl Acetate	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:07:00 PM
Methyl tert-butyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:07:00 PM
Methylene chloride	9.0	0.5	2.0	B*	µg/L	1	9/21/2015 4:07:00 PM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
n-Propylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Naphthalene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
o-Xylene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 4:07:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: MW-2

Lab Order: 1509098

Collection Date: 9/14/2015 12:15:00 PM

Project: 1815 West Farms Road, Bronx, NY

Matrix: LIQUID

Lab ID: 1509098-002A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C	SW5030C			Analyst: KSS
p-Diethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
p-Ethyltoluene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 4:07:00 PM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Styrene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
t-Butyl alcohol	ND	2.5	10	U*	µg/L	1	9/21/2015 4:07:00 PM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Tetrachloroethene	0.98	0.5	2.0	J*	µg/L	1	9/21/2015 4:07:00 PM
Toluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
trans-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Trichlorofluoromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Vinyl acetate	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:07:00 PM
Surr: 4-Bromofluorobenzene	87.8	0	76-123		%REC	1	9/21/2015 4:07:00 PM
Surr: Dibromofluoromethane	101	0	71-132		%REC	1	9/21/2015 4:07:00 PM
Surr: Toluene-d8	101	0	80-120		%REC	1	9/21/2015 4:07:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509098
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509098-002B

Client Sample ID: MW-2
Collection Date: 9/14/2015 12:15:00 PM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			SW8082A		SW3510C		Analyst: SB
Aroclor 1016	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Aroclor 1221	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Aroclor 1232	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Aroclor 1242	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Aroclor 1248	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Aroclor 1254	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Aroclor 1260	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Aroclor 1262	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Aroclor 1268	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:33:00 AM
Surr: DCB	90.8	0	20-148		%REC	1	9/18/2015 2:33:00 AM
Surr: DCB	87.6	0	20-148		%REC	1	9/18/2015 2:33:00 AM
Surr: TCX	107	0	18-144		%REC	1	9/18/2015 2:33:00 AM
Surr: TCX	96.6	0	18-144		%REC	1	9/18/2015 2:33:00 AM
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3510C		Analyst: SB
4,4'-DDD	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
4,4'-DDE	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
4,4'-DDT	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Aldrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
alpha-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
alpha-Chlordane	ND	0.05	0.25	U	µg/L	1	9/17/2015 7:34:00 PM
beta-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Chlorobenzilate	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
DBCP	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
delta-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Dieldrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Endosulfan I	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Endosulfan II	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Endosulfan sulfate	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Endrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Endrin aldehyde	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Endrin ketone	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
gamma-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509098
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509098-002B

Client Sample ID: MW-2
Collection Date: 9/14/2015 12:15:00 PM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3510C		Analyst: SB
gamma-Chlordane	ND	0.05	0.25	U	µg/L	1	9/17/2015 7:34:00 PM
Heptachlor	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Heptachlor epoxide	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Hexachlorobenzene	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Hexachlorocyclopentadiene	ND	0.03	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Methoxychlor	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:34:00 PM
Toxaphene	ND	0.06	0.50	U	µg/L	1	9/17/2015 7:34:00 PM
Surr: DCB	90.5	0	28-144		%REC	1	9/17/2015 7:34:00 PM
Surr: DCB	92.1	0	28-144		%REC	1	9/17/2015 7:34:00 PM
Surr: TCX	106	0	22-142		%REC	1	9/17/2015 7:34:00 PM
Surr: TCX	96.1	0	22-142		%REC	1	9/17/2015 7:34:00 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Biphenyl	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
1,2,4-Trichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
1,2-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
1,3-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
1,4-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2,4,5-Trichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2,4,6-Trichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2,4-Dichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2,4-Dimethylphenol	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
2,4-Dinitrophenol	ND	1	10	U*	µg/L	1	9/21/2015 10:26:00 PM
2,4-Dinitrotoluene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2,6-Dinitrotoluene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2-Chloronaphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2-Chlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2-Methylnaphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2-Methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2-Nitroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
2-Nitrophenol	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
3+4-Methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
3,3'-Dichlorobenzidine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: MW-2
Lab Order: 1509098	Collection Date: 9/14/2015 12:15:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: LIQUID
Lab ID: 1509098-002B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
3-Nitroaniline	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
4,6-Dinitro-2-methylphenol	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
4-Bromophenyl phenyl ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
4-Chloro-3-methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
4-Chloroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
4-Chlorophenyl phenyl ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
4-Nitroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
4-Nitrophenol	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
Acenaphthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Acenaphthylene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Acetophenone	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Aniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Atrazine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Azobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Benzaldehyde	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
Benzidine	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
Benzo(a)anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Benzo(a)pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Benzo(b)fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Benzo(g,h,i)perylene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Benzo(k)fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Benzoic acid	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
Benzyl alcohol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Bis(2-chloroethoxy)methane	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Bis(2-chloroethyl)ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Bis(2-chloroisopropyl)ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Bis(2-ethylhexyl)phthalate	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
Butyl benzyl phthalate	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
Caprolactam	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Carbazole	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Chrysene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Di-n-butyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: MW-2
Lab Order: 1509098	Collection Date: 9/14/2015 12:15:00 PM
Project: 1815 West Farms Road, Bronx, NY	Matrix: LIQUID
Lab ID: 1509098-002B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Di-n-octyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Dibenzo(a,h)anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Dibenzofuran	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Diethyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Dimethyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Fluorene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Hexachlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Hexachlorobutadiene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Hexachlorocyclopentadiene	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
Hexachloroethane	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Indeno(1,2,3-c,d)pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Isophorone	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
N-Nitrosodi-n-propylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
N-Nitrosodimethylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
N-Nitrosodiphenylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Naphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Nitrobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Parathion	ND	1	10	U	µg/L	1	9/21/2015 10:26:00 PM
Pentachlorophenol	ND	1	10	U*	µg/L	1	9/21/2015 10:26:00 PM
Phenanthrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Phenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Pyridine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:26:00 PM
Surr: 2,4,6-Tribromophenol	74.8	0	25-138		%REC	1	9/21/2015 10:26:00 PM
Surr: 2-Fluorobiphenyl	82.7	0	17-140		%REC	1	9/21/2015 10:26:00 PM
Surr: 2-Fluorophenol	42.1	0	13-130		%REC	1	9/21/2015 10:26:00 PM
Surr: 4-Terphenyl-d14	80.3	0	10-147		%REC	1	9/21/2015 10:26:00 PM
Surr: Nitrobenzene-d5	74.9	0	10-140		%REC	1	9/21/2015 10:26:00 PM
Surr: Phenol-d6	24.4	0	10-141		%REC	1	9/21/2015 10:26:00 PM



American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-2
Lab Order:	1509098	Collection Date:	9/14/2015 12:15:00 PM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-002C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			E245.1 REV3.0	E245.1 REV3.0			Analyst: JP
Mercury	ND	0.0002	0.000300	U	mg/L	1	9/17/2015 11:27:45 AM
TOTAL METALS			E200.7 REV4.4	E200.7 REV4.4			Analyst: JP
Aluminum	48.8	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Antimony	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:38:03 PM
Arsenic	0.0113	0.01	0.0250	J	mg/L	1	9/21/2015 12:38:03 PM
Barium	0.727	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Beryllium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:38:03 PM
Cadmium	ND	0.005	0.0100	U	mg/L	1	9/21/2015 12:38:03 PM
Calcium	74.1	0.005	0.0250		mg/L	1	9/21/2015 12:38:03 PM
Chromium	0.112	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Cobalt	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:38:03 PM
Copper	0.297	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Iron	81.1	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Lead	0.344	0.005	0.0150		mg/L	1	9/21/2015 12:38:03 PM
Magnesium	25.6	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Manganese	2.19	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Nickel	0.152	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Potassium	18.9	0.05	0.200		mg/L	1	9/21/2015 12:38:03 PM
Selenium	ND	0.01	0.0250	U	mg/L	1	9/21/2015 12:38:03 PM
Silver	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:38:03 PM
Sodium	22.7	0.01	0.0300		mg/L	1	9/21/2015 12:38:03 PM
Thallium	ND	0.01	0.0150	U	mg/L	1	9/21/2015 12:38:03 PM
Vanadium	0.128	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM
Zinc	0.270	0.005	0.0200		mg/L	1	9/21/2015 12:38:03 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509098
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509098-002D

Client Sample ID: MW-2
Collection Date: 9/14/2015 12:15:00 PM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY-DISSOLVED			E245.1 REV3.0	E245.1 REV3.0			Analyst: JP
Mercury	ND	0.0002	0.000250	U	mg/L	1	9/17/2015 11:34:25 AM
DISSOLVED METALS			E200.7 REV4.4	E200.7 REV4.4			Analyst: JP
Aluminum	0.0627	0.005	0.0200		mg/L	1	9/21/2015 12:32:00 PM
Antimony	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:32:00 PM
Arsenic	ND	0.01	0.0250	U	mg/L	1	9/21/2015 12:32:00 PM
Barium	0.204	0.005	0.0200		mg/L	1	9/21/2015 12:32:00 PM
Beryllium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:32:00 PM
Cadmium	ND	0.005	0.0100	U	mg/L	1	9/21/2015 12:32:00 PM
Calcium	74.0	0.005	0.0250		mg/L	1	9/21/2015 12:32:00 PM
Chromium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:32:00 PM
Cobalt	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:32:00 PM
Copper	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:32:00 PM
Iron	0.0539	0.005	0.0200		mg/L	1	9/21/2015 12:32:00 PM
Lead	0.100	0.005	0.0150		mg/L	1	9/21/2015 12:32:00 PM
Magnesium	12.2	0.005	0.0200		mg/L	1	9/21/2015 12:32:00 PM
Manganese	0.337	0.005	0.0200		mg/L	1	9/21/2015 12:32:00 PM
Nickel	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:32:00 PM
Potassium	10.4	0.05	0.100		mg/L	1	9/21/2015 12:32:00 PM
Selenium	ND	0.01	0.0250	U	mg/L	1	9/21/2015 12:32:00 PM
Silver	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:32:00 PM
Sodium	24.3	0.01	0.0300		mg/L	1	9/21/2015 12:32:00 PM
Thallium	ND	0.01	0.0150	U	mg/L	1	9/21/2015 12:32:00 PM
Vanadium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:32:00 PM
Zinc	0.0145	0.005	0.0200	J	mg/L	1	9/21/2015 12:32:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.

Client Sample ID: MW-3

Lab Order: 1509098

Collection Date: 9/14/2015 11:30:00 AM

Project: 1815 West Farms Road, Bronx, NY

Matrix: LIQUID

Lab ID: 1509098-003A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
1,1,1,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,1,2,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,1,2-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,1-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2,3-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2,3-Trichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 4:34:00 PM
1,2,4-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2-Dibromo-3-chloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2-Dibromoethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,3,5-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,3-dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
2,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
2-Butanone	ND	1	4.0	U*	µg/L	1	9/21/2015 4:34:00 PM
2-Chloroethyl vinyl ether	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
2-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
2-Hexanone	ND	1	4.0	U	µg/L	1	9/21/2015 4:34:00 PM
2-Propanol	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:34:00 PM
4-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
4-Isopropyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
4-Methyl-2-pentanone	ND	1	4.0	U	µg/L	1	9/21/2015 4:34:00 PM
Acetone	3.2	1	4.0	BJm*	µg/L	1	9/21/2015 4:34:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509098
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509098-003A

Client Sample ID: MW-3
Collection Date: 9/14/2015 11:30:00 AM
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
Benzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Bromobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Bromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Bromodichloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Bromoform	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Bromomethane	ND	1	4.0	U	µg/L	1	9/21/2015 4:34:00 PM
Carbon disulfide	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Chlorodifluoromethane	ND	0.3	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Chloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Chloroform	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Chloromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:34:00 PM
cis-1,2-Dichloroethene	1.6	0.5	2.0	J	µg/L	1	9/21/2015 4:34:00 PM
cis-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Cyclohexane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:34:00 PM
Dibromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Dibromomethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Dichlorodifluoromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:34:00 PM
Diisopropyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:34:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	9/21/2015 4:34:00 PM
Ethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 4:34:00 PM
Freon-114	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:34:00 PM
Hexachlorobutadiene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Isopropylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
m,p-Xylene	ND	1	4.0	U	µg/L	1	9/21/2015 4:34:00 PM
Methyl Acetate	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:34:00 PM
Methyl tert-butyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 4:34:00 PM
Methylene chloride	9.8	0.5	2.0	B*	µg/L	1	9/21/2015 4:34:00 PM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
n-Propylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 4:34:00 PM
Naphthalene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 4:34:00 PM
o-Xylene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-3
Lab Order:	1509098	Collection Date:	9/14/2015 11:30:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-003A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
p-Diethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
p-Ethyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Styrene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
t-Butyl alcohol	ND	2.5	10	U*	µg/L	1	9/21/2015 4:34:00 PM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Tetrachloroethene	18	0.5	2.0	*	µg/L	1	9/21/2015 4:34:00 PM
Toluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
trans-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Trichloroethene	1.6	0.5	2.0	J	µg/L	1	9/21/2015 4:34:00 PM
Trichlorofluoromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Vinyl acetate	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 4:34:00 PM
Surr: 4-Bromofluorobenzene	88.2	0	76-123		%REC	1	9/21/2015 4:34:00 PM
Surr: Dibromofluoromethane	104	0	71-132		%REC	1	9/21/2015 4:34:00 PM
Surr: Toluene-d8	100	0	80-120		%REC	1	9/21/2015 4:34:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-3
Lab Order:	1509098	Collection Date:	9/14/2015 11:30:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-003B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			SW8082A		SW3510C		Analyst: SB
Aroclor 1016	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Aroclor 1221	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Aroclor 1232	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Aroclor 1242	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Aroclor 1248	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Aroclor 1254	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Aroclor 1260	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Aroclor 1262	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Aroclor 1268	ND	0.25	0.50	U	µg/L	1	9/18/2015 2:57:00 AM
Surr: DCB	79.4	0	20-148		%REC	1	9/18/2015 2:57:00 AM
Surr: DCB	74.0	0	20-148		%REC	1	9/18/2015 2:57:00 AM
Surr: TCX	70.5	0	18-144		%REC	1	9/18/2015 2:57:00 AM
Surr: TCX	66.8	0	18-144		%REC	1	9/18/2015 2:57:00 AM
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3510C		Analyst: SB
4,4'-DDD	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
4,4'-DDE	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
4,4'-DDT	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Aldrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
alpha-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
alpha-Chlordane	ND	0.05	0.25	U	µg/L	1	9/17/2015 7:48:00 PM
beta-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Chlorobenzilate	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
DBCP	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
delta-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Dieldrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Endosulfan I	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Endosulfan II	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Endosulfan sulfate	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Endrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Endrin aldehyde	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Endrin ketone	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
gamma-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: MW-3
Lab Order: 1509098	Collection Date: 9/14/2015 11:30:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: LIQUID
Lab ID: 1509098-003B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3510C		Analyst: SB
gamma-Chlordane	ND	0.05	0.25	U	µg/L	1	9/17/2015 7:48:00 PM
Heptachlor	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Heptachlor epoxide	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Hexachlorobenzene	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Hexachlorocyclopentadiene	ND	0.03	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Methoxychlor	ND	0.01	0.050	U	µg/L	1	9/17/2015 7:48:00 PM
Toxaphene	ND	0.06	0.50	U	µg/L	1	9/17/2015 7:48:00 PM
Surr: DCB	80.8	0	28-144		%REC	1	9/17/2015 7:48:00 PM
Surr: DCB	75.1	0	28-144		%REC	1	9/17/2015 7:48:00 PM
Surr: TCX	71.1	0	22-142		%REC	1	9/17/2015 7:48:00 PM
Surr: TCX	66.1	0	22-142		%REC	1	9/17/2015 7:48:00 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Biphenyl	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
1,2,4-Trichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
1,2-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
1,3-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
1,4-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2,4,5-Trichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2,4,6-Trichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2,4-Dichlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2,4-Dimethylphenol	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
2,4-Dinitrophenol	ND	1	10	U*	µg/L	1	9/21/2015 10:51:00 PM
2,4-Dinitrotoluene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2,6-Dinitrotoluene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2-Chloronaphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2-Chlorophenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2-Methylnaphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2-Methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2-Nitroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
2-Nitrophenol	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
3+4-Methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
3,3'-Dichlorobenzidine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: MW-3
Lab Order: 1509098	Collection Date: 9/14/2015 11:30:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: LIQUID
Lab ID: 1509098-003B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
3-Nitroaniline	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
4,6-Dinitro-2-methylphenol	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
4-Bromophenyl phenyl ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
4-Chloro-3-methylphenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
4-Chloroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
4-Chlorophenyl phenyl ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
4-Nitroaniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
4-Nitrophenol	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
Acenaphthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Acenaphthylene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Acetophenone	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Aniline	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Atrazine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Azobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Benzaldehyde	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
Benzidine	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
Benzo(a)anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Benzo(a)pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Benzo(b)fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Benzo(g,h,i)perylene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Benzo(k)fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Benzoic acid	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
Benzyl alcohol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Bis(2-chloroethoxy)methane	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Bis(2-chloroethyl)ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Bis(2-chloroisopropyl)ether	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Bis(2-ethylhexyl)phthalate	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
Butyl benzyl phthalate	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
Caprolactam	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Carbazole	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Chrysene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Di-n-butyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.	Client Sample ID: MW-3
Lab Order: 1509098	Collection Date: 9/14/2015 11:30:00 AM
Project: 1815 West Farms Road, Bronx, NY	Matrix: LIQUID
Lab ID: 1509098-003B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Di-n-octyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Dibenzo(a,h)anthracene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Dibenzofuran	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Diethyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Dimethyl phthalate	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Fluoranthene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Fluorene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Hexachlorobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Hexachlorobutadiene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Hexachlorocyclopentadiene	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
Hexachloroethane	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Indeno(1,2,3-c,d)pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Isophorone	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
N-Nitrosodi-n-propylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
N-Nitrosodimethylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
N-Nitrosodiphenylamine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Naphthalene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Nitrobenzene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Parathion	ND	1	10	U	µg/L	1	9/21/2015 10:51:00 PM
Pentachlorophenol	ND	1	10	U*	µg/L	1	9/21/2015 10:51:00 PM
Phenanthrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Phenol	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Pyrene	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Pyridine	ND	0.5	5.0	U	µg/L	1	9/21/2015 10:51:00 PM
Surr: 2,4,6-Tribromophenol	75.4	0	25-138		%REC	1	9/21/2015 10:51:00 PM
Surr: 2-Fluorobiphenyl	83.8	0	17-140		%REC	1	9/21/2015 10:51:00 PM
Surr: 2-Fluorophenol	42.7	0	13-130		%REC	1	9/21/2015 10:51:00 PM
Surr: 4-Terphenyl-d14	82.8	0	10-147		%REC	1	9/21/2015 10:51:00 PM
Surr: Nitrobenzene-d5	75.6	0	10-140		%REC	1	9/21/2015 10:51:00 PM
Surr: Phenol-d6	25.3	0	10-141		%REC	1	9/21/2015 10:51:00 PM



American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-3
Lab Order:	1509098	Collection Date:	9/14/2015 11:30:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-003C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			E245.1 REV3.0	E245.1 REV3.0			Analyst: JP
Mercury	ND	0.0002	0.000300	U	mg/L	1	9/17/2015 11:29:56 AM
TOTAL METALS			E200.7 REV4.4	E200.7 REV4.4			Analyst: JP
Aluminum	47.3	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Antimony	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:40:04 PM
Arsenic	0.0135	0.01	0.0250	J	mg/L	1	9/21/2015 12:40:04 PM
Barium	0.885	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Beryllium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:40:04 PM
Cadmium	ND	0.005	0.0100	U	mg/L	1	9/21/2015 12:40:04 PM
Calcium	96.9	0.005	0.0250		mg/L	1	9/21/2015 12:40:04 PM
Chromium	0.113	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Cobalt	0.0120	0.005	0.0200	J	mg/L	1	9/21/2015 12:40:04 PM
Copper	0.274	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Iron	77.1	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Lead	0.0905	0.005	0.0150		mg/L	1	9/21/2015 12:40:04 PM
Magnesium	32.1	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Manganese	2.76	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Nickel	0.131	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Potassium	24.9	0.05	0.200		mg/L	1	9/21/2015 12:40:04 PM
Selenium	ND	0.01	0.0250	U	mg/L	1	9/21/2015 12:40:04 PM
Silver	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:40:04 PM
Sodium	58.4	0.01	0.0300		mg/L	1	9/21/2015 12:40:04 PM
Thallium	ND	0.01	0.0150	U	mg/L	1	9/21/2015 12:40:04 PM
Vanadium	0.129	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM
Zinc	0.343	0.005	0.0200		mg/L	1	9/21/2015 12:40:04 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	MW-3
Lab Order:	1509098	Collection Date:	9/14/2015 11:30:00 AM
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-003D		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY-DISSOLVED			E245.1 REV3.0	E245.1 REV3.0			Analyst: JP
Mercury	ND	0.0002	0.000250	U	mg/L	1	9/17/2015 11:36:37 AM
DISSOLVED METALS			E200.7 REV4.4	E200.7 REV4.4			Analyst: JP
Aluminum	0.0620	0.005	0.0200		mg/L	1	9/21/2015 12:34:01 PM
Antimony	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:34:01 PM
Arsenic	ND	0.01	0.0250	U	mg/L	1	9/21/2015 12:34:01 PM
Barium	0.482	0.005	0.0200		mg/L	1	9/21/2015 12:34:01 PM
Beryllium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:34:01 PM
Cadmium	ND	0.005	0.0100	U	mg/L	1	9/21/2015 12:34:01 PM
Calcium	99.5	0.005	0.0250		mg/L	1	9/21/2015 12:34:01 PM
Chromium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:34:01 PM
Cobalt	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:34:01 PM
Copper	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:34:01 PM
Iron	0.0964	0.005	0.0200		mg/L	1	9/21/2015 12:34:01 PM
Lead	0.00933	0.005	0.0150	J	mg/L	1	9/21/2015 12:34:01 PM
Magnesium	17.9	0.005	0.0200		mg/L	1	9/21/2015 12:34:01 PM
Manganese	0.310	0.005	0.0200		mg/L	1	9/21/2015 12:34:01 PM
Nickel	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:34:01 PM
Potassium	15.4	0.05	0.100		mg/L	1	9/21/2015 12:34:01 PM
Selenium	ND	0.01	0.0250	U	mg/L	1	9/21/2015 12:34:01 PM
Silver	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:34:01 PM
Sodium	58.2	0.01	0.0300		mg/L	1	9/21/2015 12:34:01 PM
Thallium	ND	0.01	0.0150	U	mg/L	1	9/21/2015 12:34:01 PM
Vanadium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 12:34:01 PM
Zinc	0.0371	0.005	0.0200		mg/L	1	9/21/2015 12:34:01 PM



ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Field Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
1,1,1,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,1,2,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,1,2-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,1-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,2,3-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,2,3-Trichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 2:44:00 PM
1,2,4-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,2,4-Trimethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 2:44:00 PM
1,2-Dibromo-3-chloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,2-Dibromoethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,3,5-Trimethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 2:44:00 PM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,3-dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
2,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
2-Butanone	ND	1	4.0	U*	µg/L	1	9/21/2015 2:44:00 PM
2-Chloroethyl vinyl ether	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
2-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
2-Hexanone	ND	1	4.0	U	µg/L	1	9/21/2015 2:44:00 PM
2-Propanol	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
4-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
4-Isopropyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
4-Methyl-2-pentanone	ND	1	4.0	U	µg/L	1	9/21/2015 2:44:00 PM
Acetone	2.6	1	4.0	BJ*	µg/L	1	9/21/2015 2:44:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.
Lab Order: 1509098
Project: 1815 West Farms Road, Bronx, NY
Lab ID: 1509098-004A

Client Sample ID: Field Blank
Collection Date: 9/14/2015
Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
Benzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Bromobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Bromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Bromodichloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Bromoform	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Bromomethane	ND	1	4.0	U	µg/L	1	9/21/2015 2:44:00 PM
Carbon disulfide	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Chlorodifluoromethane	ND	0.3	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Chloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Chloroform	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Chloromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
cis-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Cyclohexane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
Dibromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Dibromomethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Dichlorodifluoromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
Diisopropyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	9/21/2015 2:44:00 PM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Freon-114	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
Hexachlorobutadiene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Isopropylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
m,p-Xylene	ND	1	4.0	U	µg/L	1	9/21/2015 2:44:00 PM
Methyl Acetate	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
Methyl tert-butyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
Methylene chloride	9.8	0.5	2.0	B*	µg/L	1	9/21/2015 2:44:00 PM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
n-Propylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Naphthalene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
o-Xylene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Field Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-004A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
p-Diethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
p-Ethyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Styrene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
t-Butyl alcohol	ND	2.5	10	U*	µg/L	1	9/21/2015 2:44:00 PM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Tetrachloroethene	ND	0.5	2.0	U*	µg/L	1	9/21/2015 2:44:00 PM
Toluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
trans-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Trichlorofluoromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Vinyl acetate	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 2:44:00 PM
Surr: 4-Bromofluorobenzene	85.8	0	76-123		%REC	1	9/21/2015 2:44:00 PM
Surr: Dibromofluoromethane	104	0	71-132		%REC	1	9/21/2015 2:44:00 PM
Surr: Toluene-d8	101	0	80-120		%REC	1	9/21/2015 2:44:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Field Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PCB'S AS AROCLORS SW-846 METHOD 8082			SW8082A		SW3510C		Analyst: SB
Aroclor 1016	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Aroclor 1221	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Aroclor 1232	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Aroclor 1242	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Aroclor 1248	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Aroclor 1254	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Aroclor 1260	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Aroclor 1262	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Aroclor 1268	ND	0.25	0.50	U	µg/L	1	9/18/2015 3:22:00 AM
Surr: DCB	68.9	0	20-148		%REC	1	9/18/2015 3:22:00 AM
Surr: DCB	64.9	0	20-148		%REC	1	9/18/2015 3:22:00 AM
Surr: TCX	100	0	18-144		%REC	1	9/18/2015 3:22:00 AM
Surr: TCX	90.5	0	18-144		%REC	1	9/18/2015 3:22:00 AM
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3510C		Analyst: SB
4,4'-DDD	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
4,4'-DDE	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
4,4'-DDT	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Aldrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
alpha-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
alpha-Chlordane	ND	0.05	0.25	U	µg/L	1	9/17/2015 8:02:00 PM
beta-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Chlorobenzilate	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
DBCP	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
delta-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Dieldrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Endosulfan I	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Endosulfan II	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Endosulfan sulfate	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Endrin	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Endrin aldehyde	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Endrin ketone	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
gamma-BHC	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Field Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
PESTICIDES SW-846 METHOD 8081			SW8081B		SW3510C		Analyst: SB
gamma-Chlordane	ND	0.05	0.25	U	µg/L	1	9/17/2015 8:02:00 PM
Heptachlor	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Heptachlor epoxide	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Hexachlorobenzene	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Hexachlorocyclopentadiene	ND	0.03	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Methoxychlor	ND	0.01	0.050	U	µg/L	1	9/17/2015 8:02:00 PM
Toxaphene	ND	0.06	0.50	U	µg/L	1	9/17/2015 8:02:00 PM
Surr: DCB	70.4	0	28-144		%REC	1	9/17/2015 8:02:00 PM
Surr: DCB	64.4	0	28-144		%REC	1	9/17/2015 8:02:00 PM
Surr: TCX	97.7	0	22-142		%REC	1	9/17/2015 8:02:00 PM
Surr: TCX	91.9	0	22-142		%REC	1	9/17/2015 8:02:00 PM
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Biphenyl	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
1,2,4-Trichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
1,2-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
1,3-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
1,4-Dichlorobenzene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2,4,5-Trichlorophenol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2,4,6-Trichlorophenol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2,4-Dichlorophenol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2,4-Dimethylphenol	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
2,4-Dinitrophenol	ND	1	10	U*	µg/L	1	9/18/2015 1:50:00 PM
2,4-Dinitrotoluene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2,6-Dinitrotoluene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2-Chloronaphthalene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2-Chlorophenol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2-Methylnaphthalene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2-Methylphenol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2-Nitroaniline	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
2-Nitrophenol	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
3+4-Methylphenol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
3,3'-Dichlorobenzidine	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Field Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
3-Nitroaniline	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
4,6-Dinitro-2-methylphenol	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
4-Bromophenyl phenyl ether	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
4-Chloro-3-methylphenol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
4-Chloroaniline	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
4-Chlorophenyl phenyl ether	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
4-Nitroaniline	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
4-Nitrophenol	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
Acenaphthene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Acenaphthylene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Acetophenone	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Aniline	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Anthracene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Atrazine	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Azobenzene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Benzaldehyde	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
Benzidine	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
Benzo(a)anthracene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Benzo(a)pyrene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Benzo(b)fluoranthene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Benzo(g,h,i)perylene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Benzo(k)fluoranthene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Benzoic acid	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
Benzyl alcohol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Bis(2-chloroethoxy)methane	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Bis(2-chloroethyl)ether	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Bis(2-chloroisopropyl)ether	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Bis(2-ethylhexyl)phthalate	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
Butyl benzyl phthalate	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
Caprolactam	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Carbazole	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Chrysene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Di-n-butyl phthalate	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Field Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-004B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
SEMIVOLATILE SW-846 METHOD 8270			SW8270D		SW3510C		Analyst: MH
Di-n-octyl phthalate	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Dibenzo(a,h)anthracene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Dibenzofuran	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Diethyl phthalate	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Dimethyl phthalate	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Fluoranthene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Fluorene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Hexachlorobenzene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Hexachlorobutadiene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Hexachlorocyclopentadiene	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
Hexachloroethane	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Indeno(1,2,3-c,d)pyrene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Isophorone	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
N-Nitrosodi-n-propylamine	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
N-Nitrosodimethylamine	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
N-Nitrosodiphenylamine	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Naphthalene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Nitrobenzene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Parathion	ND	1	10	U	µg/L	1	9/18/2015 1:50:00 PM
Pentachlorophenol	ND	1	10	U*	µg/L	1	9/18/2015 1:50:00 PM
Phenanthrene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Phenol	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Pyrene	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Pyridine	ND	0.5	5.0	U	µg/L	1	9/18/2015 1:50:00 PM
Surr: 2,4,6-Tribromophenol	87.8	0	25-138		%REC	1	9/18/2015 1:50:00 PM
Surr: 2-Fluorobiphenyl	92.0	0	17-140		%REC	1	9/18/2015 1:50:00 PM
Surr: 2-Fluorophenol	44.0	0	13-130		%REC	1	9/18/2015 1:50:00 PM
Surr: 4-Terphenyl-d14	92.2	0	10-147		%REC	1	9/18/2015 1:50:00 PM
Surr: Nitrobenzene-d5	85.7	0	10-140		%REC	1	9/18/2015 1:50:00 PM
Surr: Phenol-d6	25.9	0	10-141		%REC	1	9/18/2015 1:50:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Field Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-004C		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
MERCURY			E245.1 REV3.0	E245.1 REV3.0			Analyst: JP
Mercury	ND	0.0002	0.000300	U	mg/L	1	9/22/2015 9:46:53 AM
TOTAL METALS			E200.7 REV4.4	E200.7 REV4.4			Analyst: JP
Aluminum	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Antimony	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Arsenic	ND	0.01	0.0250	U	mg/L	1	9/21/2015 1:58:05 PM
Barium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Beryllium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Cadmium	ND	0.005	0.0100	U	mg/L	1	9/21/2015 1:58:05 PM
Calcium	ND	0.005	0.0250	U	mg/L	1	9/21/2015 1:58:05 PM
Chromium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Cobalt	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Copper	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Iron	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Lead	ND	0.005	0.0150	U	mg/L	1	9/21/2015 1:58:05 PM
Magnesium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Manganese	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Nickel	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Potassium	ND	0.05	0.200	U	mg/L	1	9/21/2015 1:58:05 PM
Selenium	ND	0.01	0.0250	U	mg/L	1	9/21/2015 1:58:05 PM
Silver	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Sodium	ND	0.01	0.0300	U	mg/L	1	9/21/2015 1:58:05 PM
Thallium	ND	0.01	0.0150	U	mg/L	1	9/21/2015 1:58:05 PM
Vanadium	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM
Zinc	ND	0.005	0.0200	U	mg/L	1	9/21/2015 1:58:05 PM

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ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Trip Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
1,1,1,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,1,1-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,1,2,2-Tetrachloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,1,2-Trichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,1-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,1-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,1-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2,3-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2,3-Trichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2,4,5-Tetramethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 3:11:00 PM
1,2,4-Trichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2,4-Trimethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2-Dibromo-3-chloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2-Dibromoethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2-Dichloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,3,5-Trimethylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 3:11:00 PM
1,3-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,3-dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,4-Dichlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
1,4-Dioxane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
2,2-Dichloropropane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
2-Butanone	ND	1	4.0	U*	µg/L	1	9/21/2015 3:11:00 PM
2-Chloroethyl vinyl ether	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
2-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
2-Hexanone	ND	1	4.0	U	µg/L	1	9/21/2015 3:11:00 PM
2-Propanol	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
4-Chlorotoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
4-Isopropyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
4-Methyl-2-pentanone	ND	1	4.0	U	µg/L	1	9/21/2015 3:11:00 PM
Acetone	2.7	1	4.0	BJ*	µg/L	1	9/21/2015 3:11:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Trip Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
Benzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Bromobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Bromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Bromodichloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Bromoform	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Bromomethane	ND	1	4.0	U	µg/L	1	9/21/2015 3:11:00 PM
Carbon disulfide	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Carbon tetrachloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Chlorobenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Chlorodifluoromethane	ND	0.3	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Chloroethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Chloroform	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Chloromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
cis-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
cis-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Cyclohexane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
Dibromochloromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Dibromomethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Dichlorodifluoromethane	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
Diisopropyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
Ethanol	ND	2.5	10	U	µg/L	1	9/21/2015 3:11:00 PM
Ethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Freon-114	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
Hexachlorobutadiene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Isopropylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
m,p-Xylene	ND	1	4.0	U	µg/L	1	9/21/2015 3:11:00 PM
Methyl Acetate	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
Methyl tert-butyl ether	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
Methylene chloride	11	0.5	2.0	B*	µg/L	1	9/21/2015 3:11:00 PM
n-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
n-Propylbenzene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 3:11:00 PM
Naphthalene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
o-Xylene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM

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American Analytical Laboratories, LLC.

Date: 28-Sep-15

ELAP ID : 11418

CLIENT:	CA Rich Consultants Inc.	Client Sample ID:	Trip Blank
Lab Order:	1509098	Collection Date:	9/14/2015
Project:	1815 West Farms Road, Bronx, NY	Matrix:	LIQUID
Lab ID:	1509098-005A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		SW5030C		Analyst: KSS
p-Diethylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
p-Ethyltoluene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
sec-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Styrene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
t-Butyl alcohol	ND	2.5	10	U*	µg/L	1	9/21/2015 3:11:00 PM
tert-Butylbenzene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Tetrachloroethene	ND	0.5	2.0	U*	µg/L	1	9/21/2015 3:11:00 PM
Toluene	ND	0.5	2.0	Um	µg/L	1	9/21/2015 3:11:00 PM
trans-1,2-Dichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
trans-1,3-Dichloropropene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Trichloroethene	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Trichlorofluoromethane	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Vinyl acetate	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Vinyl chloride	ND	0.5	2.0	U	µg/L	1	9/21/2015 3:11:00 PM
Surr: 4-Bromofluorobenzene	91.2	0	76-123		%REC	1	9/21/2015 3:11:00 PM
Surr: Dibromofluoromethane	106	0	71-132		%REC	1	9/21/2015 3:11:00 PM
Surr: Toluene-d8	101	0	80-120		%REC	1	9/21/2015 3:11:00 PM

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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6372

Sample ID MB-6372	SampType: MBLK	TestCode: 8081_W	Units: %REC	Prep Date: 9/16/2015	RunNo: 11039						
Client ID: PBW	Batch ID: 6372	TestNo: SW8081B	SW3510C	Analysis Date: 9/17/2015	SeqNo: 203822						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	0.46		0.5000		93.0	28	144				
Surr: TCX	0.30		0.5000		59.7	22	142				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6372

Sample ID	MB-6372	SampType:	MBLK	TestCode:	8081_W	Units:	µg/L	Prep Date:	9/16/2015	RunNo:	11038
Client ID:	PBW	Batch ID:	6372	TestNo:	SW8081B	SW3510C		Analysis Date:	9/17/2015	SeqNo:	203807
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	0.050									U
4,4'-DDE	ND	0.050									U
4,4'-DDT	ND	0.050									U
Aldrin	ND	0.050									U
alpha-BHC	ND	0.050									U
alpha-Chlordane	ND	0.25									U
beta-BHC	ND	0.050									U
Chlorobenzilate	ND	0.050									U
DBCP	ND	0.050									U
delta-BHC	ND	0.050									U
Dieldrin	ND	0.050									U
Endosulfan I	ND	0.050									U
Endosulfan II	ND	0.050									U
Endosulfan sulfate	ND	0.050									U
Endrin	ND	0.050									U
Endrin aldehyde	ND	0.050									U
Endrin ketone	ND	0.050									U
gamma-BHC	ND	0.050									U
gamma-Chlordane	ND	0.25									U
Heptachlor	ND	0.050									U
Heptachlor epoxide	ND	0.050									U
Hexachlorobenzene	ND	0.050									U
Hexachlorocyclopentadiene	ND	0.050									U
Methoxychlor	ND	0.050									U
Toxaphene	ND	0.50									U
Surr: DCB	0.42		0.5000		85.0	28	144				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6372

Sample ID MB-6372	SampType: MBLK	TestCode: 8081_W	Units: µg/L	Prep Date: 9/16/2015	RunNo: 11038						
Client ID: PBW	Batch ID: 6372	TestNo: SW8081B	SW3510C	Analysis Date: 9/17/2015	SeqNo: 203807						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: TCX	0.29		0.5000		58.2	22	142				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6373

Sample ID	LCS-6373	SampType:	LCS	TestCode:	8082_W	Units:	µg/L	Prep Date:	9/16/2015	RunNo:	11043
Client ID:	LCSW	Batch ID:	6373	TestNo:	SW8082A	SW3510C		Analysis Date:	9/18/2015	SeqNo:	203860
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50		0	0	25	135				U
Aroclor 1221	ND	0.50		0	0	30	130				U
Aroclor 1232	ND	0.50		0	0	30	130				U
Aroclor 1242	ND	0.50	5.000	0	0	30	130				SU
Aroclor 1248	4.3	0.50		0	0	30	140				
Aroclor 1254	ND	0.50		0	0	40	130				U
Aroclor 1260	ND	0.50		0	0	25	130				U
Aroclor 1262	ND	0.50		0	0	30	130				U
Aroclor 1268	ND	0.50		0	0	20	130				U
Surr: DCB	0.50		0.5000		99.1	20	148				
Surr: TCX	0.37		0.5000		74.1	18	144				

Sample ID	MB-6373	SampType:	MBLK	TestCode:	8082_W	Units:	µg/L	Prep Date:	9/16/2015	RunNo:	11043
Client ID:	PBW	Batch ID:	6373	TestNo:	SW8082A	SW3510C		Analysis Date:	9/18/2015	SeqNo:	203861
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.50									U
Aroclor 1221	ND	0.50									U
Aroclor 1232	ND	0.50									U
Aroclor 1242	ND	0.50									U
Aroclor 1248	ND	0.50									U
Aroclor 1254	ND	0.50									U
Aroclor 1260	ND	0.50									U
Aroclor 1262	ND	0.50									U
Aroclor 1268	ND	0.50									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6373

Sample ID MB-6373	SampType: MBLK	TestCode: 8082_W	Units: µg/L	Prep Date: 9/16/2015	RunNo: 11043						
Client ID: PBW	Batch ID: 6373	TestNo: SW8082A	SW3510C	Analysis Date: 9/18/2015	SeqNo: 203861						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: DCB	0.46		0.5000		92.0	20	148				
Surr: TCX	0.30		0.5000		59.7	18	144				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6373

Sample ID	LCS-6373	SampType:	LCS	TestCode:	8082_W	Units:	%REC	Prep Date:	9/16/2015	RunNo:	11044			
Client ID:	LCSW	Batch ID:	6373	TestNo:	SW8082A	SW3510C		Analysis Date:	9/18/2015	SeqNo:	203871			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr:	DCB	0.50			0.5000			99.0	20	148				
Surr:	TCX	0.41			0.5000			82.1	18	144				

Sample ID	MB-6373	SampType:	MBLK	TestCode:	8082_W	Units:	%REC	Prep Date:	9/16/2015	RunNo:	11044			
Client ID:	PBW	Batch ID:	6373	TestNo:	SW8082A	SW3510C		Analysis Date:	9/18/2015	SeqNo:	203872			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr:	DCB	0.48			0.5000			95.6	20	148				
Surr:	TCX	0.32			0.5000			63.2	18	144				

Qualifiers: R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID MB-6403	SampType: MBLK	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11083						
Client ID: PBW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204600						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	ND	5.0									U
Atrazine	ND	5.0									U
Benzaldehyde	ND	10									U
Benzidine	ND	10									U
Caprolactam	ND	5.0									U

Sample ID LCS-6403	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11083						
Client ID: LCSW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204601						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	28	5.0	40.00	0	70.8	10	121				
Atrazine	31	5.0	40.00	0	77.5	30	120				
Benzaldehyde	27	10	40.00	0	67.3	30	120				
Benzidine	9.0	10	40.00	0	22.5	1	100				J
Caprolactam	6.3	5.0	40.00	0	15.7	10	115				

Sample ID LCSD-6403	SampType: LCSD	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11083						
Client ID: LCSS02	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204602						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	29	5.0	40.00	0	71.6	10	121	0	200	20	R
Atrazine	32	5.0	40.00	0	80.5	30	120	0	200	20	R
Benzaldehyde	28	10	40.00	0	70.3	30	120	0	200	20	R

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCSD-6403	SampType:	LCSD	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11083			
Client ID:	LCSS02	Batch ID:	6403	TestNo:	SW8270D		SW3510C	Analysis Date:	9/21/2015	SeqNo:	204602			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzidine		1.9		10	40.00	0		4.68	1	100	0	200	20	JR
Caprolactam		6.7		5.0	40.00	0		16.7	10	115	0	200	20	R

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	MB-6403	SampType:	MBLK	TestCode:	625_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11086
Client ID:	PBW	Batch ID:	6403	TestNo:	SW8270D	SW3510C		Analysis Date:	9/21/2015	SeqNo:	204633
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.0									U
2,4,6-Trichlorophenol	ND	5.0									U
2,4-Dichlorophenol	ND	5.0									U
2,4-Dimethylphenol	ND	5.0									U
2,4-Dinitrophenol	ND	10									U*
2,4-Dinitrotoluene	ND	5.0									U
2,6-Dinitrotoluene	ND	5.0									U
2-Chloronaphthalene	ND	5.0									U
2-Chlorophenol	ND	5.0									U
2-Nitrophenol	ND	10									U
4,6-Dinitro-2-methylphenol	ND	10									U
4-Bromophenyl phenyl ether	ND	5.0									U
4-Chloro-3-methylphenol	ND	5.0									U
4-Chlorophenyl phenyl ether	ND	5.0									U
4-Nitrophenol	ND	10									U
Acenaphthene	ND	5.0									U
Acenaphthylene	ND	5.0									U
Anthracene	ND	5.0									U
Benzo(a)anthracene	ND	5.0									U
Benzo(a)pyrene	ND	5.0									U
Benzo(b)fluoranthene	ND	5.0									U
Benzo(g,h,i)perylene	ND	5.0									U
Benzo(k)fluoranthene	ND	5.0									U
Bis(2-chloroethoxy)methane	ND	5.0									U
Bis(2-chloroethyl)ether	ND	5.0									U
Bis(2-chloroisopropyl)ether	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	MB-6403	SampType	MBLK	TestCode	625_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11086
Client ID	PBW	Batch ID	6403	TestNo	SW8270D	SW3510C		Analysis Date	9/21/2015	SeqNo	204633
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-ethylhexyl)phthalate	ND	5.0									U
Butyl benzyl phthalate	1.1	5.0									J
Chrysene	ND	5.0									U
Di-n-butyl phthalate	ND	5.0									U
Di-n-octyl phthalate	ND	5.0									U
Dibenzo(a,h)anthracene	ND	5.0									U
Diethyl phthalate	ND	5.0									U
Dimethyl phthalate	ND	5.0									U
Fluoranthene	ND	5.0									U
Fluorene	ND	5.0									U
Hexachlorobenzene	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Hexachlorocyclopentadiene	ND	10									U
Hexachloroethane	ND	5.0									U
Indeno(1,2,3-c,d)pyrene	ND	5.0									U
Isophorone	ND	5.0									U
N-Nitrosodi-n-propylamine	ND	5.0									U
N-Nitrosodimethylamine	ND	5.0									U
N-Nitrosodiphenylamine	ND	5.0									U
Naphthalene	ND	5.0									U
Nitrobenzene	ND	5.0									U
Pentachlorophenol	ND	10									U*
Phenanthrene	ND	5.0									U
Phenol	ND	5.0									U
Pyrene	ND	5.0									U
Surr: 2,4,6-Tribromophenol	27		40.00		67.3	17	145				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID MB-6403	SampType: MBLK	TestCode: 625_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11086						
Client ID: PBW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204633						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2-Fluorobiphenyl	17		20.00		82.7	18	131				
Surr: 2-Fluorophenol	17		40.00		41.3	10	147				
Surr: 4-Terphenyl-d14	16		20.00		81.3	14	140				
Surr: Nitrobenzene-d5	14		20.00		70.9	13	133				
Surr: Phenol-d6	9.7		40.00		24.3	10	146				

Sample ID LCS-6403	SampType: LCS	TestCode: 625_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11086						
Client ID: LCSW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204634						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	27	5.0	40.00	0	67.6	20	124				
2,4,6-Trichlorophenol	29	5.0	40.00	0	71.3	31	131				
2,4-Dichlorophenol	26	5.0	40.00	0	65.9	20	120				
2,4-Dimethylphenol	26	5.0	40.00	0	64.1	13	123				
2,4-Dinitrophenol	3.7	10	40.00	0	9.32	11	126				JS*
2,4-Dinitrotoluene	ND	5.0		0	0	22	137				U
2,6-Dinitrotoluene	ND	5.0		0	0	20	130				U
2-Chloronaphthalene	29	5.0	40.00	0	72.9	24	123				
2-Chlorophenol	24	5.0	40.00	0	59.8	20	120				
2-Nitrophenol	26	10	40.00	0	64.4	22	120				
4,6-Dinitro-2-methylphenol	16	10	40.00	0	39.7	10	132				
4-Bromophenyl phenyl ether	31	5.0	40.00	0	77.7	21	133				
4-Chloro-3-methylphenol	26	5.0	40.00	0	64.9	29	122				
4-Chlorophenyl phenyl ether	29	5.0	40.00	0	72.2	32	128				
4-Nitrophenol	10	10	40.00	0	25.2	10	100				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCS-6403	SampType: LCS	TestCode: 625_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11086					
Client ID: LCSW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204634						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Acenaphthene	28	5.0	40.00	0	70.3	24	125				
Acenaphthylene	29	5.0	40.00	0	71.3	23	125				
Anthracene	30	5.0	40.00	0	75.3	32	130				
Benzo(a)anthracene	29	5.0	40.00	0	73.5	27	130				
Benzo(a)pyrene	32	5.0	40.00	0	81.1	32	125				
Benzo(b)fluoranthene	32	5.0	40.00	0	80.6	30	125				
Benzo(g,h,i)perylene	36	5.0	40.00	0	90.2	27	141				
Benzo(k)fluoranthene	35	5.0	40.00	0	87.1	34	134				
Bis(2-chloroethoxy)methane	27	5.0	40.00	0	67.4	23	122				
Bis(2-chloroethyl)ether	27	5.0	40.00	0	66.4	32	126				
Bis(2-chloroisopropyl)ether	25	5.0	40.00	0	62.1	27	127				
Bis(2-ethylhexyl)phthalate	ND	5.0		0	0	30	136				U
Butyl benzyl phthalate	1.3	5.0		0	0	28	141				BJ
Chrysene	29	5.0	40.00	0	72.6	27	130				
Di-n-butyl phthalate	ND	5.0		0	0	27	146				U
Di-n-octyl phthalate	ND	5.0		0	0	26	136				U
Dibenzo(a,h)anthracene	36	5.0	40.00	0	89.9	24	140				
Diethyl phthalate	ND	5.0		0	0	21	142				U
Dimethyl phthalate	0.78	5.0		0	0	24	123				J
Fluoranthene	29	5.0	40.00	0	72.7	30	139				
Fluorene	28	5.0	40.00	0	70.2	22	133				
Hexachlorobenzene	30	5.0	40.00	0	75.6	24	142				
Hexachlorobutadiene	26	5.0	40.00	0	65.4	22	130				
Hexachlorocyclopentadiene	28	10	40.00	0	69.8	16	101				
Hexachloroethane	27	5.0	40.00	0	67.9	20	133				
Indeno(1,2,3-c,d)pyrene	35	5.0	40.00	0	87.5	24	133				m

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
LCS-6403	LCS	625_W	µg/L	9/21/2015	11086						
Client ID:	Batch ID:	TestNo:		Analysis Date:	SeqNo:						
LCSW	6403	SW8270D	SW3510C	9/21/2015	204634						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Isophorone	ND	5.0		0	0	22	131				U
N-Nitrosodi-n-propylamine	25	5.0	40.00	0	63.2	29	134				
N-Nitrosodimethylamine	14	5.0	40.00	0	35.4	12	100				
N-Nitrosodiphenylamine	30	5.0	40.00	0	74.2	11	140				
Naphthalene	26	5.0	40.00	0	66.1	25	123				
Nitrobenzene	ND	5.0		0	0	22	138				U
Pentachlorophenol	11	10	40.00	0	28.2	18	140				*
Phenanthrene	30	5.0	40.00	0	75.4	25	132				
Phenol	9.5	5.0	40.00	0	23.8	10	100				
Pyrene	30	5.0	40.00	0	74.6	24	136				
Surr: 2,4,6-Tribromophenol	32		40.00		78.8	17	145				
Surr: 2-Fluorobiphenyl	15		20.00		77.2	18	131				
Surr: 2-Fluorophenol	16		40.00		39.3	10	147				
Surr: 4-Terphenyl-d14	16		20.00		79.0	14	140				
Surr: Nitrobenzene-d5	14		20.00		68.5	13	133				
Surr: Phenol-d6	9.5		40.00		23.8	10	146				

Sample ID	SampType:	TestCode:	Units:	Prep Date:	RunNo:						
LCSD-6403	LCSD	625_W	µg/L	9/21/2015	11086						
Client ID:	Batch ID:	TestNo:		Analysis Date:	SeqNo:						
LCSS02	6403	SW8270D	SW3510C	9/21/2015	204635						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	29	5.0	40.00	0	72.1	20	124	27.03	6.48	20	
2,4,6-Trichlorophenol	30	5.0	40.00	0	74.4	31	131	28.52	4.31	20	
2,4-Dichlorophenol	29	5.0	40.00	0	71.7	20	120	26.38	8.38	20	
2,4-Dimethylphenol	28	5.0	40.00	0	69.1	13	123	25.65	7.46	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: 1509098

28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCSD-6403	SampType:	LCSD	TestCode:	625_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11086
Client ID:	LCSS02	Batch ID:	6403	TestNo:	SW8270D	SW3510C		Analysis Date:	9/21/2015	SeqNo:	204635
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4-Dinitrophenol	15	10	40.00	0	36.8	11	126	3.729	119	20	R*
2,4-Dinitrotoluene	ND	5.0		0	0	22	137	0	0	20	U
2,6-Dinitrotoluene	ND	5.0		0	0	20	130	0	0	20	U
2-Chloronaphthalene	31	5.0	40.00	0	77.6	24	123	29.14	6.36	20	
2-Chlorophenol	26	5.0	40.00	0	65.4	20	120	23.92	8.93	20	
2-Nitrophenol	28	10	40.00	0	70.0	22	120	25.75	8.31	20	
4,6-Dinitro-2-methylphenol	22	10	40.00	0	55.7	10	132	15.88	33.5	20	R
4-Bromophenyl phenyl ether	31	5.0	40.00	0	77.9	21	133	31.08	0.312	20	
4-Chloro-3-methylphenol	27	5.0	40.00	0	68.2	29	122	25.96	4.89	20	
4-Chlorophenyl phenyl ether	30	5.0	40.00	0	76.1	32	128	28.90	5.19	20	
4-Nitrophenol	11	10	40.00	0	28.7	10	100	10.08	13.0	20	
Acenaphthene	30	5.0	40.00	0	74.1	24	125	28.11	5.30	20	
Acenaphthylene	30	5.0	40.00	0	74.9	23	125	28.51	4.94	20	
Anthracene	30	5.0	40.00	0	76.2	32	130	30.13	1.15	20	
Benzo(a)anthracene	30	5.0	40.00	0	75.4	27	130	29.39	2.63	20	
Benzo(a)pyrene	33	5.0	40.00	0	81.4	32	125	32.42	0.407	20	
Benzo(b)fluoranthene	33	5.0	40.00	0	82.2	30	125	32.23	1.98	20	
Benzo(g,h,i)perylene	36	5.0	40.00	0	90.1	27	141	36.08	0.125	20	
Benzo(k)fluoranthene	34	5.0	40.00	0	86.0	34	134	34.83	1.27	20	
Bis(2-chloroethoxy)methane	29	5.0	40.00	0	73.2	23	122	26.96	8.23	20	
Bis(2-chloroethyl)ether	27	5.0	40.00	0	68.0	32	126	26.54	2.40	20	
Bis(2-chloroisopropyl)ether	26	5.0	40.00	0	65.4	27	127	24.84	5.14	20	
Bis(2-ethylhexyl)phthalate	ND	5.0		0	0	30	136	0	0	20	U
Butyl benzyl phthalate	0.44	5.0		0	0	28	141	1.345	101	20	BJR
Chrysene	30	5.0	40.00	0	74.4	27	130	29.03	2.47	20	
Di-n-butyl phthalate	ND	5.0		0	0	27	146	0	0	20	U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098

28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCSD-6403	SampType:	LCSD	TestCode:	625_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11086
Client ID:	LCSS02	Batch ID:	6403	TestNo:	SW8270D	SW3510C		Analysis Date:	9/21/2015	SeqNo:	204635
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Di-n-octyl phthalate	ND	5.0		0	0	26	136	0	0	20	U
Dibenzo(a,h)anthracene	36	5.0	40.00	0	89.8	24	140	35.96	0.149	20	
Diethyl phthalate	ND	5.0		0	0	21	142	0	0	20	U
Dimethyl phthalate	0.69	5.0		0	0	24	123	0.7823	12.9	20	J
Fluoranthene	30	5.0	40.00	0	74.6	30	139	29.08	2.57	20	
Fluorene	30	5.0	40.00	0	74.1	22	133	28.09	5.35	20	
Hexachlorobenzene	31	5.0	40.00	0	77.8	24	142	30.25	2.84	20	
Hexachlorobutadiene	29	5.0	40.00	0	73.5	22	130	26.16	11.6	20	
Hexachlorocyclopentadiene	32	10	40.00	0	78.9	16	101	27.91	12.2	20	
Hexachloroethane	28	5.0	40.00	0	70.6	20	133	27.14	3.90	20	
Indeno(1,2,3-c,d)pyrene	36	5.0	40.00	0	91.1	24	133	34.99	4.08	20	
Isophorone	ND	5.0		0	0	22	131	0	0	20	U
N-Nitrosodi-n-propylamine	26	5.0	40.00	0	66.2	29	134	25.29	4.54	20	
N-Nitrosodimethylamine	14	5.0	40.00	0	35.4	12	100	14.16	0.136	20	
N-Nitrosodiphenylamine	31	5.0	40.00	0	77.0	11	140	29.66	3.76	20	
Naphthalene	29	5.0	40.00	0	72.0	25	123	26.44	8.59	20	
Nitrobenzene	ND	5.0		0	0	22	138	0	0	20	U
Pentachlorophenol	20	10	40.00	0	50.9	18	140	11.26	57.5	20	R*
Phenanthrene	31	5.0	40.00	0	76.3	25	132	30.18	1.15	20	
Phenol	10	5.0	40.00	0	25.3	10	100	9.514	6.32	20	
Pyrene	30	5.0	40.00	0	76.2	24	136	29.83	2.19	20	
Surr: 2,4,6-Tribromophenol	32		40.00		80.8	17	145		0	20	
Surr: 2-Fluorobiphenyl	16		20.00		79.7	18	131		0	20	
Surr: 2-Fluorophenol	17		40.00		41.7	10	147		0	20	
Surr: 4-Terphenyl-d14	16		20.00		79.9	14	140		0	20	
Surr: Nitrobenzene-d5	15		20.00		73.1	13	133		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCSD-6403	SampType:	LCSD	TestCode:	625_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11086			
Client ID:	LCSS02	Batch ID:	6403	TestNo:	SW8270D		SW3510C	Analysis Date:	9/21/2015	SeqNo:	204635			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d6		10			40.00			25.7	10	146		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	MB-6403	SampType	MBLK	TestCode	8270_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11082
Client ID	PBW	Batch ID	6403	TestNo	SW8270D	SW3510C		Analysis Date	9/21/2015	SeqNo	204577
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
2,4,5-Trichlorophenol	ND	5.0									U
2,4,6-Trichlorophenol	ND	5.0									U
2,4-Dichlorophenol	ND	5.0									U
2,4-Dimethylphenol	ND	10									U
2,4-Dinitrophenol	ND	10									U*
2,4-Dinitrotoluene	ND	5.0									U
2,6-Dinitrotoluene	ND	5.0									U
2-Chloronaphthalene	ND	5.0									U
2-Chlorophenol	ND	5.0									U
2-Methylnaphthalene	ND	5.0									U
2-Methylphenol	ND	5.0									U
2-Nitroaniline	ND	5.0									U
2-Nitrophenol	ND	10									U
3+4-Methylphenol	ND	5.0									U
3-Nitroaniline	ND	10									U
4,6-Dinitro-2-methylphenol	ND	10									U
4-Bromophenyl phenyl ether	ND	5.0									U
4-Chloro-3-methylphenol	ND	5.0									U
4-Chloroaniline	ND	5.0									U
4-Chlorophenyl phenyl ether	ND	5.0									U
4-Nitroaniline	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	MB-6403	SampType:	MBLK	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11082
Client ID:	PBW	Batch ID:	6403	TestNo:	SW8270D	SW3510C		Analysis Date:	9/21/2015	SeqNo:	204577
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	10									U
Acenaphthene	ND	5.0									U
Acenaphthylene	ND	5.0									U
Acetophenone	ND	5.0									U
Aniline	ND	5.0									U
Anthracene	ND	5.0									U
Azobenzene	ND	5.0									U
Benzo(a)anthracene	ND	5.0									U
Benzo(a)pyrene	ND	5.0									U
Benzo(b)fluoranthene	ND	5.0									U
Benzo(g,h,i)perylene	ND	5.0									U
Benzo(k)fluoranthene	ND	5.0									U
Benzoic acid	ND	10									U
Benzyl alcohol	ND	5.0									U
Bis(2-chloroethoxy)methane	ND	5.0									U
Bis(2-chloroethyl)ether	ND	5.0									U
Bis(2-chloroisopropyl)ether	ND	5.0									U
Bis(2-ethylhexyl)phthalate	ND	10									U
Butyl benzyl phthalate	1.1	10									J
Carbazole	ND	5.0									U
Chrysene	ND	5.0									U
Di-n-butyl phthalate	ND	5.0									U
Di-n-octyl phthalate	ND	5.0									U
Dibenzo(a,h)anthracene	ND	5.0									U
Dibenzofuran	ND	5.0									U
Diethyl phthalate	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	MB-6403	SampType:	MBLK	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11082
Client ID:	PBW	Batch ID:	6403	TestNo:	SW8270D	SW3510C		Analysis Date:	9/21/2015	SeqNo:	204577
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dimethyl phthalate	ND	5.0									U
Fluoranthene	ND	5.0									U
Fluorene	ND	5.0									U
Hexachlorobenzene	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Hexachlorocyclopentadiene	ND	10									U
Hexachloroethane	ND	5.0									U
Indeno(1,2,3-c,d)pyrene	ND	5.0									U
Isophorone	ND	5.0									U
N-Nitrosodi-n-propylamine	ND	5.0									U
N-Nitrosodimethylamine	ND	5.0									U
N-Nitrosodiphenylamine	ND	5.0									U
Naphthalene	ND	5.0									U
Nitrobenzene	ND	5.0									U
Parathion	ND	10									U
Pentachlorophenol	ND	10									U*
Phenanthrene	ND	5.0									U
Phenol	ND	5.0									U
Pyrene	ND	5.0									U
Pyridine	ND	5.0									U
Surr: 2,4,6-Tribromophenol	27		40.00		67.3	25	138				
Surr: 2-Fluorobiphenyl	17		20.00		82.7	17	140				
Surr: 2-Fluorophenol	17		40.00		41.3	13	130				
Surr: 4-Terphenyl-d14	16		20.00		81.3	10	147				
Surr: Nitrobenzene-d5	14		20.00		70.9	10	140				
Surr: Phenol-d6	9.7		40.00		24.3	10	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509098**
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID MB-6403	SampType: MBLK	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11082						
Client ID: PBW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204577						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID LCS-6403	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11082						
Client ID: LCSW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204578						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	29	5.0	40.00	0	72.6	30	120				
1,2,4-Trichlorobenzene	27	5.0	40.00	0	67.6	20	124				
1,2-Dichlorobenzene	27	5.0	40.00	0	66.3	31	120				
1,3-Dichlorobenzene	26	5.0	40.00	0	65.3	31	120				
1,4-Dichlorobenzene	27	5.0	40.00	0	66.8	32	123				
2,4,5-Trichlorophenol	29	5.0	40.00	0	72.8	24	138				
2,4,6-Trichlorophenol	29	5.0	40.00	0	71.3	31	131				
2,4-Dichlorophenol	26	5.0	40.00	0	65.9	20	120				
2,4-Dimethylphenol	26	10	40.00	0	64.1	13	123				
2,4-Dinitrophenol	3.7	10	40.00	0	9.32	11	126				JS*
2,4-Dinitrotoluene	ND	5.0		0	0	22	137				U
2,6-Dinitrotoluene	ND	5.0		0	0	20	130				U
2-Chloronaphthalene	29	5.0	40.00	0	72.9	24	123				
2-Chlorophenol	24	5.0	40.00	0	59.8	20	120				
2-Methylnaphthalene	26	5.0	40.00	0	65.5	20	120				
2-Methylphenol	21	5.0	40.00	0	51.7	20	125				
2-Nitroaniline	27	5.0	40.00	0	66.3	32	124				
2-Nitrophenol	26	10	40.00	0	64.4	22	120				
3+4-Methylphenol	37	5.0	80.00	0	46.7	10	100				
3-Nitroaniline	25	10	40.00	0	62.4	30	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCS-6403	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11082					
Client ID: LCSW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204578						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	16	10	40.00	0	39.7	10	132				
4-Bromophenyl phenyl ether	31	5.0	40.00	0	77.7	21	133				
4-Chloro-3-methylphenol	26	5.0	40.00	0	64.9	29	122				
4-Chloroaniline	22	5.0	40.00	0	55.5	10	100				
4-Chlorophenyl phenyl ether	29	5.0	40.00	0	72.2	32	128				
4-Nitroaniline	24	5.0	40.00	0	60.3	30	127				
4-Nitrophenol	10	10	40.00	0	25.2	10	100				
Acenaphthene	28	5.0	40.00	0	70.3	24	125				
Acenaphthylene	29	5.0	40.00	0	71.3	23	125				
Acetophenone	26	5.0	40.00	0	65.3	25	120				
Aniline	17	5.0	40.00	0	43.4	20	120				
Anthracene	30	5.0	40.00	0	75.3	32	130				
Azobenzene	ND	5.0		0	0	40	130				U
Benzo(a)anthracene	29	5.0	40.00	0	73.5	27	130				
Benzo(a)pyrene	32	5.0	40.00	0	81.1	32	125				
Benzo(b)fluoranthene	32	5.0	40.00	0	80.6	30	125				
Benzo(g,h,i)perylene	36	5.0	40.00	0	90.2	27	141				
Benzo(k)fluoranthene	35	5.0	40.00	0	87.1	34	134				
Benzoic acid	1.3	10	40.00	0	3.20	10	110				JSm
Benzyl alcohol	ND	5.0		0	0	30	120				U
Bis(2-chloroethoxy)methane	27	5.0	40.00	0	67.4	23	122				
Bis(2-chloroethyl)ether	27	5.0	40.00	0	66.4	32	126				
Bis(2-chloroisopropyl)ether	25	5.0	40.00	0	62.1	27	127				
Bis(2-ethylhexyl)phthalate	ND	10		0	0	30	136				U
Butyl benzyl phthalate	1.3	10		0	0	28	141				BJ
Carbazole	ND	5.0		0	0	34	127				U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCS-6403	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11082					
Client ID: LCSW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204578						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	29	5.0	40.00	0	72.6	27	130				
Di-n-butyl phthalate	ND	5.0		0	0	27	146				U
Di-n-octyl phthalate	ND	5.0		0	0	26	136				U
Dibenzo(a,h)anthracene	36	5.0	40.00	0	89.9	24	140				
Dibenzofuran	ND	5.0		0	0	30	121				U
Diethyl phthalate	ND	5.0		0	0	21	142				U
Dimethyl phthalate	0.78	5.0		0	0	24	123				J
Fluoranthene	29	5.0	40.00	0	72.7	30	139				
Fluorene	28	5.0	40.00	0	70.2	22	133				
Hexachlorobenzene	30	5.0	40.00	0	75.6	24	142				
Hexachlorobutadiene	26	5.0	40.00	0	65.4	22	130				
Hexachlorocyclopentadiene	28	10	40.00	0	69.8	16	101				
Hexachloroethane	27	5.0	40.00	0	67.9	20	133				
Indeno(1,2,3-c,d)pyrene	35	5.0	40.00	0	87.5	24	133				m
Isophorone	ND	5.0		0	0	22	131				U
N-Nitrosodi-n-propylamine	25	5.0	40.00	0	63.2	29	134				
N-Nitrosodimethylamine	14	5.0	40.00	0	35.4	12	100				
N-Nitrosodiphenylamine	30	5.0	40.00	0	74.2	11	140				
Naphthalene	26	5.0	40.00	0	66.1	25	123				
Nitrobenzene	ND	5.0		0	0	22	138				U
Parathion	ND	10		0	0	30	130				U
Pentachlorophenol	11	10	40.00	0	28.2	18	140				*
Phenanthrene	30	5.0	40.00	0	75.4	25	132				
Phenol	9.5	5.0	40.00	0	23.8	10	100				
Pyrene	30	5.0	40.00	0	74.6	24	136				
Pyridine	12	5.0	40.00	0	29.0	10	100				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: **1509098**
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCS-6403	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11082					
Client ID:	LCSW	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204578					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	32		40.00		78.8	25	138				
Surr: 2-Fluorobiphenyl	15		20.00		77.2	17	140				
Surr: 2-Fluorophenol	16		40.00		39.3	13	130				
Surr: 4-Terphenyl-d14	16		20.00		79.0	10	147				
Surr: Nitrobenzene-d5	14		20.00		68.5	10	140				
Surr: Phenol-d6	9.5		40.00		23.8	10	141				

Sample ID	LCSD-6403	SampType: LCSD	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11082					
Client ID:	LCSS02	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204579					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	30	5.0	40.00	0	75.9	30	120	29.02	4.56	200	
1,2,4-Trichlorobenzene	29	5.0	40.00	0	72.1	20	124	27.03	6.48	20	
1,2-Dichlorobenzene	28	5.0	40.00	0	69.8	31	120	26.51	5.18	20	
1,3-Dichlorobenzene	28	5.0	40.00	0	70.5	31	120	26.11	7.68	20	
1,4-Dichlorobenzene	28	5.0	40.00	0	69.0	32	123	26.70	3.32	20	
2,4,5-Trichlorophenol	30	5.0	40.00	0	75.4	24	138	29.12	3.57	20	
2,4,6-Trichlorophenol	30	5.0	40.00	0	74.4	31	131	28.52	4.31	20	
2,4-Dichlorophenol	29	5.0	40.00	0	71.7	20	120	26.38	8.38	20	
2,4-Dimethylphenol	28	10	40.00	0	69.1	13	123	25.65	7.46	20	
2,4-Dinitrophenol	15	10	40.00	0	36.8	11	126	3.729	119	20	R*
2,4-Dinitrotoluene	ND	5.0		0	0	22	137	0	0	20	U
2,6-Dinitrotoluene	ND	5.0		0	0	20	130	0	0	20	U
2-Chloronaphthalene	31	5.0	40.00	0	77.6	24	123	29.14	6.36	20	
2-Chlorophenol	26	5.0	40.00	0	65.4	20	120	23.92	8.93	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098

28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCSD-6403	SampType:	LCSD	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11082
Client ID:	LCSS02	Batch ID:	6403	TestNo:	SW8270D	SW3510C		Analysis Date:	9/21/2015	SeqNo:	204579
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylnaphthalene	28	5.0	40.00	0	69.3	20	120	26.19	5.68	20	
2-Methylphenol	22	5.0	40.00	0	54.5	20	125	20.68	5.27	20	
2-Nitroaniline	29	5.0	40.00	0	72.1	32	124	26.52	8.37	20	
2-Nitrophenol	28	10	40.00	0	70.0	22	120	25.75	8.31	20	
3+4-Methylphenol	40	5.0	80.00	0	49.7	10	100	37.39	6.06	20	
3-Nitroaniline	25	10	40.00	0	63.6	30	120	24.96	1.89	20	
4,6-Dinitro-2-methylphenol	22	10	40.00	0	55.7	10	132	15.88	33.5	20	R
4-Bromophenyl phenyl ether	31	5.0	40.00	0	77.9	21	133	31.08	0.312	20	
4-Chloro-3-methylphenol	27	5.0	40.00	0	68.2	29	122	25.96	4.89	20	
4-Chloroaniline	21	5.0	40.00	0	52.2	10	100	22.21	6.17	20	
4-Chlorophenyl phenyl ether	30	5.0	40.00	0	76.1	32	128	28.90	5.19	20	
4-Nitroaniline	26	5.0	40.00	0	63.8	30	127	24.13	5.61	20	
4-Nitrophenol	11	10	40.00	0	28.7	10	100	10.08	13.0	20	
Acenaphthene	30	5.0	40.00	0	74.1	24	125	28.11	5.30	20	
Acenaphthylene	30	5.0	40.00	0	74.9	23	125	28.51	4.94	20	
Acetophenone	27	5.0	40.00	0	67.3	25	120	26.11	3.09	20	
Aniline	14	5.0	40.00	0	34.5	20	120	17.35	22.7	20	R
Anthracene	30	5.0	40.00	0	76.2	32	130	30.13	1.15	20	
Azobenzene	ND	5.0		0	0	40	130	0	0	20	U
Benzo(a)anthracene	30	5.0	40.00	0	75.4	27	130	29.39	2.63	20	
Benzo(a)pyrene	33	5.0	40.00	0	81.4	32	125	32.42	0.407	20	
Benzo(b)fluoranthene	33	5.0	40.00	0	82.2	30	125	32.23	1.98	20	
Benzo(g,h,i)perylene	36	5.0	40.00	0	90.1	27	141	36.08	0.125	20	
Benzo(k)fluoranthene	34	5.0	40.00	0	86.0	34	134	34.83	1.27	20	
Benzoic acid	9.7	10	40.00	0	24.2	10	110	1.281	153	20	JR
Benzyl alcohol	ND	5.0		0	0	30	120	0	0	20	U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCSD-6403	SampType: LCSD	TestCode: 8270_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11082					
Client ID: LCSS02	Batch ID: 6403	TestNo: SW8270D	SW3510C	Analysis Date: 9/21/2015	SeqNo: 204579						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethoxy)methane	29	5.0	40.00	0	73.2	23	122	26.96	8.23	20	
Bis(2-chloroethyl)ether	27	5.0	40.00	0	68.0	32	126	26.54	2.40	20	
Bis(2-chloroisopropyl)ether	26	5.0	40.00	0	65.4	27	127	24.84	5.14	20	
Bis(2-ethylhexyl)phthalate	ND	10		0	0	30	136	0	0	20	U
Butyl benzyl phthalate	ND	10		0	0	28	141	1.345	200	20	RU
Carbazole	ND	5.0		0	0	34	127	0	0	20	U
Chrysene	30	5.0	40.00	0	74.4	27	130	29.03	2.47	20	
Di-n-butyl phthalate	ND	5.0		0	0	27	146	0	0	20	U
Di-n-octyl phthalate	ND	5.0		0	0	26	136	0	0	20	U
Dibenzo(a,h)anthracene	36	5.0	40.00	0	89.8	24	140	35.96	0.149	20	
Dibenzofuran	ND	5.0		0	0	30	121	0	0	20	U
Diethyl phthalate	ND	5.0		0	0	21	142	0	0	20	U
Dimethyl phthalate	0.69	5.0		0	0	24	123	0.7823	12.9	20	J
Fluoranthene	30	5.0	40.00	0	74.6	30	139	29.08	2.57	20	
Fluorene	30	5.0	40.00	0	74.1	22	133	28.09	5.35	20	
Hexachlorobenzene	31	5.0	40.00	0	77.8	24	142	30.25	2.84	20	
Hexachlorobutadiene	29	5.0	40.00	0	73.5	22	130	26.16	11.6	20	
Hexachlorocyclopentadiene	32	10	40.00	0	78.9	16	101	27.91	12.2	20	
Hexachloroethane	28	5.0	40.00	0	70.6	20	133	27.14	3.90	20	
Indeno(1,2,3-c,d)pyrene	36	5.0	40.00	0	91.1	24	133	34.99	4.08	20	
Isophorone	ND	5.0		0	0	22	131	0	0	20	U
N-Nitrosodi-n-propylamine	26	5.0	40.00	0	66.2	29	134	25.29	4.54	20	
N-Nitrosodimethylamine	14	5.0	40.00	0	35.4	12	100	14.16	0.136	20	
N-Nitrosodiphenylamine	31	5.0	40.00	0	77.0	11	140	29.66	3.76	20	
Naphthalene	29	5.0	40.00	0	72.0	25	123	26.44	8.59	20	
Nitrobenzene	ND	5.0		0	0	22	138	0	0	20	U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509098**
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6403

Sample ID	LCSD-6403	SampType:	LCSD	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11082
Client ID:	LCSS02	Batch ID:	6403	TestNo:	SW8270D	SW3510C		Analysis Date:	9/21/2015	SeqNo:	204579
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Parathion	ND	10		0	0	30	130	0	0	20	U
Pentachlorophenol	20	10	40.00	0	50.9	18	140	11.26	57.5	20	R*
Phenanthrene	31	5.0	40.00	0	76.3	25	132	30.18	1.15	20	
Phenol	10	5.0	40.00	0	25.3	10	100	9.514	6.32	20	
Pyrene	30	5.0	40.00	0	76.2	24	136	29.83	2.19	20	
Pyridine	4.7	5.0	40.00	0	11.7	10	100	11.61	85.0	20	JR
Surr: 2,4,6-Tribromophenol	32		40.00		80.8	25	138		0	0	
Surr: 2-Fluorobiphenyl	16		20.00		79.7	17	140		0	0	
Surr: 2-Fluorophenol	17		40.00		41.7	13	130		0	0	
Surr: 4-Terphenyl-d14	16		20.00		79.9	10	147		0	0	
Surr: Nitrobenzene-d5	15		20.00		73.1	10	140		0	0	
Surr: Phenol-d6	10		40.00		25.7	10	141		0	0	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509098**
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6405

Sample ID MB-6405	SampType: MBLK	TestCode: 8270_W	Units: µg/L	Prep Date: 9/18/2015	RunNo: 11057						
Client ID: PBW	Batch ID: 6405	TestNo: SW8270D	SW3510C	Analysis Date: 9/18/2015	SeqNo: 204079						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	ND	5.0									U
Atrazine	ND	5.0									U
Benzaldehyde	ND	10									U
Benzidine	ND	10									U
Caprolactam	ND	5.0									U

Sample ID LCS-6405	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 9/18/2015	RunNo: 11057						
Client ID: LCSW	Batch ID: 6405	TestNo: SW8270D	SW3510C	Analysis Date: 9/18/2015	SeqNo: 204080						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
3,3'-Dichlorobenzidine	33	5.0	40.00	0	83.7	10	121				
Atrazine	36	5.0	40.00	0	88.9	30	120				
Benzaldehyde	33	10	40.00	0	82.1	30	120				
Benzidine	13	10	40.00	0	32.7	1	100				
Caprolactam	7.6	5.0	40.00	0	19.0	10	115				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6405

Sample ID	MB-6405	SampType	MBLK	TestCode	8270_W	Units	µg/L	Prep Date	9/18/2015	RunNo	11056
Client ID	PBW	Batch ID	6405	TestNo	SW8270D	SW3510C		Analysis Date	9/18/2015	SeqNo	204075
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl	ND	5.0									U
1,2,4-Trichlorobenzene	ND	5.0									U
1,2-Dichlorobenzene	ND	5.0									U
1,3-Dichlorobenzene	ND	5.0									U
1,4-Dichlorobenzene	ND	5.0									U
2,4,5-Trichlorophenol	ND	5.0									U
2,4,6-Trichlorophenol	ND	5.0									U
2,4-Dichlorophenol	ND	5.0									U
2,4-Dimethylphenol	ND	10									U
2,4-Dinitrophenol	ND	10									U*
2,4-Dinitrotoluene	ND	5.0									U
2,6-Dinitrotoluene	ND	5.0									U
2-Chloronaphthalene	ND	5.0									U
2-Chlorophenol	ND	5.0									U
2-Methylnaphthalene	ND	5.0									U
2-Methylphenol	ND	5.0									U
2-Nitroaniline	ND	5.0									U
2-Nitrophenol	ND	10									U
3+4-Methylphenol	ND	5.0									U
3-Nitroaniline	ND	10									U
4,6-Dinitro-2-methylphenol	ND	10									U
4-Bromophenyl phenyl ether	ND	5.0									U
4-Chloro-3-methylphenol	ND	5.0									U
4-Chloroaniline	ND	5.0									U
4-Chlorophenyl phenyl ether	ND	5.0									U
4-Nitroaniline	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6405

Sample ID	MB-6405	SampType:	MBLK	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/18/2015	RunNo:	11056
Client ID:	PBW	Batch ID:	6405	TestNo:	SW8270D	SW3510C		Analysis Date:	9/18/2015	SeqNo:	204075
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	ND	10									U
Acenaphthene	ND	5.0									U
Acenaphthylene	ND	5.0									U
Acetophenone	ND	5.0									U
Aniline	ND	5.0									U
Anthracene	ND	5.0									U
Azobenzene	ND	5.0									U
Benzo(a)anthracene	ND	5.0									U
Benzo(a)pyrene	ND	5.0									U
Benzo(b)fluoranthene	ND	5.0									U
Benzo(g,h,i)perylene	ND	5.0									U
Benzo(k)fluoranthene	ND	5.0									U
Benzoic acid	ND	10									U
Benzyl alcohol	ND	5.0									U
Bis(2-chloroethoxy)methane	ND	5.0									U
Bis(2-chloroethyl)ether	ND	5.0									U
Bis(2-chloroisopropyl)ether	ND	5.0									U
Bis(2-ethylhexyl)phthalate	ND	10									U
Butyl benzyl phthalate	ND	10									U
Carbazole	ND	5.0									U
Chrysene	ND	5.0									U
Di-n-butyl phthalate	ND	5.0									U
Di-n-octyl phthalate	ND	5.0									U
Dibenzo(a,h)anthracene	ND	5.0									U
Dibenzofuran	ND	5.0									U
Diethyl phthalate	ND	5.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6405

Sample ID	MB-6405	SampType:	MBLK	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/18/2015	RunNo:	11056
Client ID:	PBW	Batch ID:	6405	TestNo:	SW8270D	SW3510C		Analysis Date:	9/18/2015	SeqNo:	204075
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dimethyl phthalate	ND	5.0									U
Fluoranthene	ND	5.0									U
Fluorene	ND	5.0									U
Hexachlorobenzene	ND	5.0									U
Hexachlorobutadiene	ND	5.0									U
Hexachlorocyclopentadiene	ND	10									U
Hexachloroethane	ND	5.0									U
Indeno(1,2,3-c,d)pyrene	ND	5.0									U
Isophorone	ND	5.0									U
N-Nitrosodi-n-propylamine	ND	5.0									U
N-Nitrosodimethylamine	ND	5.0									U
N-Nitrosodiphenylamine	ND	5.0									U
Naphthalene	ND	5.0									U
Nitrobenzene	ND	5.0									U
Parathion	ND	10									U
Pentachlorophenol	ND	10									U*
Phenanthrene	ND	5.0									U
Phenol	ND	5.0									U
Pyrene	ND	5.0									U
Pyridine	ND	5.0									U
Surr: 2,4,6-Tribromophenol	31		40.00		78.6	25	138				
Surr: 2-Fluorobiphenyl	18		20.00		90.2	17	140				
Surr: 2-Fluorophenol	17		40.00		41.8	13	130				
Surr: 4-Terphenyl-d14	18		20.00		91.9	10	147				
Surr: Nitrobenzene-d5	16		20.00		81.1	10	140				
Surr: Phenol-d6	10		40.00		25.0	10	141				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6405

Sample ID	MB-6405	SampType:	MBLK	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/18/2015	RunNo:	11056			
Client ID:	PBW	Batch ID:	6405	TestNo:	SW8270D	SW3510C		Analysis Date:	9/18/2015	SeqNo:	204075			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Sample ID	LCS-6405	SampType:	LCS	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/18/2015	RunNo:	11056			
Client ID:	LCSW	Batch ID:	6405	TestNo:	SW8270D	SW3510C		Analysis Date:	9/18/2015	SeqNo:	204076			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Biphenyl		34		5.0	40.00	0		83.8	30	120				
1,2,4-Trichlorobenzene		32		5.0	40.00	0		80.5	20	124				
1,2-Dichlorobenzene		32		5.0	40.00	0		78.9	31	120				
1,3-Dichlorobenzene		31		5.0	40.00	0		78.2	31	120				
1,4-Dichlorobenzene		31		5.0	40.00	0		77.4	32	123				
2,4,5-Trichlorophenol		33		5.0	40.00	0		82.1	24	138				
2,4,6-Trichlorophenol		32		5.0	40.00	0		80.5	31	131				
2,4-Dichlorophenol		30		5.0	40.00	0		75.7	20	120				
2,4-Dimethylphenol		29		10	40.00	0		72.1	13	123				
2,4-Dinitrophenol		12		10	40.00	0		29.7	11	126				*
2,4-Dinitrotoluene		ND		5.0		0		0	22	137				U
2,6-Dinitrotoluene		ND		5.0		0		0	20	130				U
2-Chloronaphthalene		34		5.0	40.00	0		84.4	24	123				
2-Chlorophenol		26		5.0	40.00	0		65.7	20	120				
2-Methylnaphthalene		31		5.0	40.00	0		77.3	20	120				
2-Methylphenol		22		5.0	40.00	0		55.9	20	125				
2-Nitroaniline		32		5.0	40.00	0		79.5	32	124				
2-Nitrophenol		31		10	40.00	0		77.2	22	120				
3+4-Methylphenol		40		5.0	80.00	0		50.2	10	100				
3-Nitroaniline		28		10	40.00	0		71.0	30	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6405

Sample ID	LCS-6405	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 9/18/2015	RunNo: 11056					
Client ID: LCSW	Batch ID: 6405	TestNo: SW8270D	SW3510C	Analysis Date: 9/18/2015	SeqNo: 204076						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,6-Dinitro-2-methylphenol	23	10	40.00	0	56.8	10	132				
4-Bromophenyl phenyl ether	35	5.0	40.00	0	88.6	21	133				
4-Chloro-3-methylphenol	28	5.0	40.00	0	70.4	29	122				
4-Chloroaniline	25	5.0	40.00	0	63.7	10	100				
4-Chlorophenyl phenyl ether	32	5.0	40.00	0	80.5	32	128				
4-Nitroaniline	28	5.0	40.00	0	70.9	30	127				
4-Nitrophenol	12	10	40.00	0	29.4	10	100				
Acenaphthene	33	5.0	40.00	0	81.7	24	125				
Acenaphthylene	33	5.0	40.00	0	82.0	23	125				
Acetophenone	31	5.0	40.00	0	76.3	25	120				
Aniline	20	5.0	40.00	0	50.1	20	120				
Anthracene	35	5.0	40.00	0	86.5	32	130				
Azobenzene	ND	5.0		0	0	40	130				U
Benzo(a)anthracene	33	5.0	40.00	0	83.7	27	130				
Benzo(a)pyrene	37	5.0	40.00	0	91.3	32	125				
Benzo(b)fluoranthene	36	5.0	40.00	0	89.9	30	125				
Benzo(g,h,i)perylene	40	5.0	40.00	0	101	27	141				
Benzo(k)fluoranthene	40	5.0	40.00	0	100	34	134				
Benzoic acid	11	10	40.00	0	28.6	10	110				
Benzyl alcohol	ND	5.0		0	0	30	120				U
Bis(2-chloroethoxy)methane	32	5.0	40.00	0	79.7	23	122				
Bis(2-chloroethyl)ether	31	5.0	40.00	0	78.2	32	126				
Bis(2-chloroisopropyl)ether	29	5.0	40.00	0	73.0	27	127				
Bis(2-ethylhexyl)phthalate	ND	10		0	0	30	136				U
Butyl benzyl phthalate	ND	10		0	0	28	141				U
Carbazole	ND	5.0		0	0	34	127				U

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6405

Sample ID	LCS-6405	SampType: LCS	TestCode: 8270_W	Units: µg/L	Prep Date: 9/18/2015	RunNo: 11056					
Client ID: LCSW	Batch ID: 6405	TestNo: SW8270D	SW3510C	Analysis Date: 9/18/2015	SeqNo: 204076						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chrysene	32	5.0	40.00	0	81.1	27	130				
Di-n-butyl phthalate	ND	5.0		0	0	27	146				U
Di-n-octyl phthalate	ND	5.0		0	0	26	136				U
Dibenzo(a,h)anthracene	41	5.0	40.00	0	102	24	140				
Dibenzofuran	ND	5.0		0	0	30	121				U
Diethyl phthalate	ND	5.0		0	0	21	142				U
Dimethyl phthalate	ND	5.0		0	0	24	123				U
Fluoranthene	32	5.0	40.00	0	81.0	30	139				
Fluorene	32	5.0	40.00	0	79.5	22	133				
Hexachlorobenzene	35	5.0	40.00	0	86.3	24	142				
Hexachlorobutadiene	32	5.0	40.00	0	79.2	22	130				
Hexachlorocyclopentadiene	35	10	40.00	0	87.5	16	101				
Hexachloroethane	32	5.0	40.00	0	79.0	20	133				
Indeno(1,2,3-c,d)pyrene	39	5.0	40.00	0	98.2	24	133				m
Isophorone	ND	5.0		0	0	22	131				U
N-Nitrosodi-n-propylamine	29	5.0	40.00	0	73.4	29	134				
N-Nitrosodimethylamine	17	5.0	40.00	0	41.7	12	100				
N-Nitrosodiphenylamine	34	5.0	40.00	0	85.1	11	140				
Naphthalene	32	5.0	40.00	0	79.8	25	123				
Nitrobenzene	ND	5.0		0	0	22	138				U
Parathion	ND	10		0	0	30	130				U
Pentachlorophenol	20	10	40.00	0	50.8	18	140				*
Phenanthrene	34	5.0	40.00	0	85.1	25	132				
Phenol	11	5.0	40.00	0	26.8	10	100				
Pyrene	34	5.0	40.00	0	84.6	24	136				
Pyridine	14	5.0	40.00	0	35.3	10	100				

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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6405

Sample ID	LCS-6405	SampType:	LCS	TestCode:	8270_W	Units:	µg/L	Prep Date:	9/18/2015	RunNo:	11056			
Client ID:	LCSW	Batch ID:	6405	TestNo:	SW8270D		SW3510C	Analysis Date:	9/18/2015	SeqNo:	204076			
Analyte		Result		PQL	SPK value	SPK Ref Val		%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol		38			40.00			94.7	25	138				
Surr: 2-Fluorobiphenyl		18			20.00			89.3	17	140				
Surr: 2-Fluorophenol		18			40.00			44.3	13	130				
Surr: 4-Terphenyl-d14		18			20.00			90.4	10	147				
Surr: Nitrobenzene-d5		17			20.00			85.5	10	140				
Surr: Phenol-d6		11			40.00			28.1	10	141				

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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6411

Sample ID	MBW091615A	SampType:	MBLK	TestCode:	HG_W	Units:	mg/L	Prep Date:	9/16/2015	RunNo:	11080
Client ID:	PBW	Batch ID:	6411	TestNo:	E245.1 Rev3. E245.1 Rev3.	Analysis Date:	9/17/2015	SeqNo:	204505		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Mercury		ND		0.000300							U

Sample ID	LCSW091615A	SampType:	LCS	TestCode:	HG_W	Units:	mg/L	Prep Date:	9/16/2015	RunNo:	11080
Client ID:	LCSW	Batch ID:	6411	TestNo:	E245.1 Rev3. E245.1 Rev3.	Analysis Date:	9/17/2015	SeqNo:	204506		
Analyte		Result		PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual
Mercury		0.00411		0.000300	0.004000	0	103	85	115		

Qualifiers: R RPD outside accepted recovery limits

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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6421

Sample ID	MBW091815A	SampType:	MBLK	TestCode:	ICPSCAN_W	Units:	mg/L	Prep Date:	9/18/2015	RunNo:	11068
Client ID:	PBW	Batch ID:	6421	TestNo:	E200.7 Rev4. E200.7 Rev4.	Analysis Date:	9/21/2015	SeqNo:	204265		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.0200									U
Antimony	ND	0.0200									U
Arsenic	ND	0.0250									U
Barium	ND	0.0200									U
Beryllium	ND	0.0200									U
Cadmium	ND	0.0100									U
Calcium	ND	0.0250									U
Chromium	ND	0.0200									U
Cobalt	ND	0.0200									U
Copper	ND	0.0200									U
Iron	ND	0.0200									U
Lead	ND	0.0150									U
Magnesium	ND	0.0200									U
Manganese	ND	0.0200									U
Molybdenum	ND	0.0200									U
Nickel	ND	0.0200									U
Potassium	ND	0.200									U
Selenium	ND	0.0250									U
Silver	ND	0.0200									U
Sodium	ND	0.0300									U
Titanium	ND	0.0200									U
Vanadium	ND	0.0200									U
Zinc	ND	0.0200									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6421

Sample ID	1509127-005AMSD	SampType:	MSD	TestCode:	ICPSCAN_W	Units:	mg/L	Prep Date:	9/18/2015	RunNo:	11068
Client ID:	BatchQC	Batch ID:	6421	TestNo:	E200.7 Rev4. E200.7 Rev4.			Analysis Date:	9/21/2015	SeqNo:	204283
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cadmium	0.978	0.0100	1.000	0	97.8	70	130				
Chromium	1.05	0.0200	1.000	0.01089	104	70	130				
Copper	1.16	0.0200	1.000	0.1820	98.2	70	130				
Lead	0.994	0.0150	1.000	0.03386	96.1	70	130				
Molybdenum	0.611	0.0200	0.5000	0	122	70	130				
Nickel	0.988	0.0200	1.000	0.01958	96.8	70	130				
Silver	1.01	0.0200	1.000	0	101	70	130				
Zinc	1.81	0.0200	1.000	0.8343	97.2	70	130				

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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6430	LCS	8260_W	µg/L	9/21/2015	11103						
Client ID	Batch ID	TestNo		Analysis Date	SeqNo						
LCSW	6430	SW8260C	SW5030C	9/21/2015	205220						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51	2.0	50.00	0	101	53	131				
1,1,2,2-Tetrachloroethane	53	2.0	50.00	0	106	25	120				
1,1,2-Trichloroethane	46	2.0	50.00	0	92.4	36	126				
1,1-Dichloroethane	52	2.0	50.00	0	104	48	133				
1,1-Dichloroethene	54	2.0	50.00	0	108	49	139				
1,2-Dichlorobenzene	55	2.0	50.00	0	110	36	120				
1,2-Dichloroethane	49	2.0	50.00	0	97.9	26	145				
1,2-Dichloropropane	50	2.0	50.00	0	100	47	135				
1,3-Dichlorobenzene	58	2.0	50.00	0	116	36	122				
1,4-Dichlorobenzene	58	2.0	50.00	0	115	32	125				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	51	2.0	50.00	0	103	48	137				
Bromodichloromethane	47	2.0	50.00	0	94.4	46	130				
Bromoform	50	2.0	50.00	0	99.4	28	130				
Bromomethane	41	4.0	50.00	0	81.5	25	142				
Carbon tetrachloride	50	2.0	50.00	0	101	50	135				
Chlorobenzene	52	2.0	50.00	0	104	42	121				
Chloroethane	46	2.0	50.00	0	92.3	53	137				
Chloroform	50	2.0	50.00	0	100	44	136				
Chloromethane	48	2.0	50.00	0	95.4	33	146				*
cis-1,3-Dichloropropene	44	2.0	50.00	0	87.2	28	128				
Dibromochloromethane	45	2.0	50.00	0	89.5	28	129				
Ethylbenzene	54	2.0	50.00	0	107	41	124				
Methylene chloride	35	2.0	50.00	0	70.2	10	120				B*
Tetrachloroethene	40	2.0	50.00	0	80.1	34	120				*
Toluene	50	2.0	50.00	0	99.7	49	126				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	LCS-6430	SampType:	LCS	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11103
Client ID:	LCSW	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	205220
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	51	2.0	50.00	0	102	51	130				
trans-1,3-Dichloropropene	45	2.0	50.00	0	89.2	27	130				
Trichloroethene	48	2.0	50.00	0	96.9	52	121				
Trichlorofluoromethane	47	2.0	50.00	0	93.5	47	148				
Vinyl chloride	51	2.0	50.00	0	101	52	148				
Surr: 4-Bromofluorobenzene	44		50.00		88.5	76	123				
Surr: Dibromofluoromethane	53		50.00		106	71	132				
Surr: Toluene-d8	51		50.00		103	80	120				

Sample ID	MB-6430	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11103
Client ID:	PBW	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	205221
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11103
Client ID:	PBW	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	205221
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U*
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U*
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	2.2	4.0									J*
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11103
Client ID	PBW	Batch ID	6430	TestNo	SW8260C	SW5030C		Analysis Date	9/21/2015	SeqNo	205221
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	4.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U*
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U*
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U*
Diisopropyl ether	ND	2.0									U*
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U*
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U*
Methyl tert-butyl ether	ND	2.0									U*
Methylene chloride	10	2.0									*
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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 Website: www.American-Analytical.com

QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11103
Client ID	PBW	Batch ID	6430	TestNo	SW8260C	SW5030C		Analysis Date	9/21/2015	SeqNo	205221
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U*
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U*
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U*
Vinyl chloride	ND	2.0									U
Surr: 4-Bromofluorobenzene	45		50.00		90.4	76	123				
Surr: Dibromofluoromethane	52		50.00		104	71	132				
Surr: Toluene-d8	50		50.00		99.3	80	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	LCS-6430	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11104					
Client ID: LCSW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 205227						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51	2.0	50.00	0	101	53	131				
1,1,2,2-Tetrachloroethane	53	2.0	50.00	0	106	25	120				
1,1,2-Trichloroethane	46	2.0	50.00	0	92.4	36	126				
1,1-Dichloroethane	52	2.0	50.00	0	104	48	133				
1,1-Dichloroethene	54	2.0	50.00	0	108	49	139				
1,2-Dichlorobenzene	55	2.0	50.00	0	110	36	120				
1,2-Dichloroethane	49	2.0	50.00	0	97.9	26	145				
1,2-Dichloropropane	50	2.0	50.00	0	100	47	135				
1,3-Dichlorobenzene	58	2.0	50.00	0	116	36	122				
1,4-Dichlorobenzene	58	2.0	50.00	0	115	32	125				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	51	2.0	50.00	0	103	48	137				
Bromodichloromethane	47	2.0	50.00	0	94.4	46	130				
Bromoform	50	2.0	50.00	0	99.4	28	130				
Bromomethane	41	4.0	50.00	0	81.5	25	142				
Carbon tetrachloride	50	2.0	50.00	0	101	50	135				
Chlorobenzene	52	2.0	50.00	0	104	42	121				
Chloroethane	46	2.0	50.00	0	92.3	53	137				
Chloroform	50	2.0	50.00	0	100	44	136				
Chloromethane	48	2.0	50.00	0	95.4	33	146				*
cis-1,3-Dichloropropene	44	2.0	50.00	0	87.2	28	128				
Dibromochloromethane	45	2.0	50.00	0	89.5	28	129				
Ethylbenzene	54	2.0	50.00	0	107	41	124				
Methylene chloride	35	2.0	50.00	0	70.2	10	120				B*
Tetrachloroethene	40	2.0	50.00	0	80.1	34	120				*
Toluene	50	2.0	50.00	0	99.7	49	126				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509098**
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6430	LCS	8260_W	µg/L	9/21/2015	11104						
Client ID: LCSW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 205227						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	51	2.0	50.00	0	102	51	130				
trans-1,3-Dichloropropene	45	2.0	50.00	0	89.2	27	130				
Trichloroethene	48	2.0	50.00	0	96.9	52	121				
Trichlorofluoromethane	47	2.0	50.00	0	93.5	47	148				
Vinyl chloride	51	2.0	50.00	0	101	52	148				
Surr: 4-Bromofluorobenzene	44		50.00		88.5	76	123				
Surr: Dibromofluoromethane	53		50.00		106	71	132				
Surr: Toluene-d8	51		50.00		103	80	120				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6430	MBLK	8260_W	µg/L	9/21/2015	11104						
Client ID: PBW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 205228						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11104
Client ID:	PBW	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	205228
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U*
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U*
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	2.2	4.0									J*
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11104
Client ID	PBW	Batch ID	6430	TestNo	SW8260C	SW5030C		Analysis Date	9/21/2015	SeqNo	205228
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	4.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U*
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U*
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U*
Diisopropyl ether	ND	2.0									U*
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U*
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U*
Methyl tert-butyl ether	ND	2.0									U*
Methylene chloride	10	2.0									*
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11104
Client ID	PBW	Batch ID	6430	TestNo	SW8260C	SW5030C		Analysis Date	9/21/2015	SeqNo	205228
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U*
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U*
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U*
Vinyl chloride	ND	2.0									U
Surr: 4-Bromofluorobenzene	45		50.00		90.4	76	123				
Surr: Dibromofluoromethane	52		50.00		104	71	132				
Surr: Toluene-d8	50		50.00		99.3	80	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	LCS-6430	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11183					
Client ID: LCSW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 206879						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51	2.0	50.00	0	101	53	131				
1,1,2,2-Tetrachloroethane	53	2.0	50.00	0	106	25	120				
1,1,2-Trichloroethane	46	2.0	50.00	0	92.4	36	126				
1,1-Dichloroethane	52	2.0	50.00	0	104	48	133				
1,1-Dichloroethene	54	2.0	50.00	0	108	49	139				
1,2-Dichlorobenzene	55	2.0	50.00	0	110	36	120				
1,2-Dichloroethane	49	2.0	50.00	0	97.9	26	145				
1,2-Dichloropropane	50	2.0	50.00	0	100	47	135				
1,3-Dichlorobenzene	58	2.0	50.00	0	116	36	122				
1,4-Dichlorobenzene	58	2.0	50.00	0	115	32	125				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	51	2.0	50.00	0	103	48	137				
Bromodichloromethane	47	2.0	50.00	0	94.4	46	130				
Bromoform	50	2.0	50.00	0	99.4	28	130				
Bromomethane	41	4.0	50.00	0	81.5	25	142				
Carbon tetrachloride	50	2.0	50.00	0	101	50	135				
Chlorobenzene	52	2.0	50.00	0	104	42	121				
Chloroethane	46	2.0	50.00	0	92.3	53	137				
Chloroform	50	2.0	50.00	0	100	44	136				
Chloromethane	48	2.0	50.00	0	95.4	33	146				*
cis-1,3-Dichloropropene	44	2.0	50.00	0	87.2	28	128				
Dibromochloromethane	45	2.0	50.00	0	89.5	28	129				
Ethylbenzene	54	2.0	50.00	0	107	41	124				
Methylene chloride	35	2.0	50.00	0	70.2	10	120				B*
Tetrachloroethene	40	2.0	50.00	0	80.1	34	120				*
Toluene	50	2.0	50.00	0	99.7	49	126				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6430	LCS	8260_W	µg/L	9/21/2015	11183						
Client ID: LCSW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 206879						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	51	2.0	50.00	0	102	51	130				
trans-1,3-Dichloropropene	45	2.0	50.00	0	89.2	27	130				
Trichloroethene	48	2.0	50.00	0	96.9	52	121				
Trichlorofluoromethane	47	2.0	50.00	0	93.5	47	148				
Vinyl chloride	51	2.0	50.00	0	101	52	148				
Surr: 4-Bromofluorobenzene	44		50.00		88.5	76	123				
Surr: Dibromofluoromethane	53		50.00		106	71	132				
Surr: Toluene-d8	51		50.00		103	80	120				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6430	MBLK	8260_W	µg/L	9/21/2015	11183						
Client ID: PBW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 206880						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11183
Client ID:	PBW	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	206880
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U*
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U*
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	2.2	4.0									J*
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11183
Client ID	PBW	Batch ID	6430	TestNo	SW8260C	SW5030C		Analysis Date	9/21/2015	SeqNo	206880
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	4.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U*
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U*
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U*
Diisopropyl ether	ND	2.0									U*
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U*
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U*
Methyl tert-butyl ether	ND	2.0									U*
Methylene chloride	10	2.0									*
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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

QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11183
Client ID	PBW	Batch ID	6430	TestNo	SW8260C	SW5030C		Analysis Date	9/21/2015	SeqNo	206880
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U*
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U*
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U
Vinyl chloride	ND	2.0									U
Surr: 4-Bromofluorobenzene	45		50.00		90.4	76	123				
Surr: Dibromofluoromethane	52		50.00		104	71	132				
Surr: Toluene-d8	50		50.00		99.3	80	120				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	LCS-6430	SampType: LCS	TestCode: 8260_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11187					
Client ID: LCSW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 206898						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51	2.0	50.00	0	101	53	131				
1,1,2,2-Tetrachloroethane	53	2.0	50.00	0	106	25	120				
1,1,2-Trichloroethane	46	2.0	50.00	0	92.4	36	126				
1,1-Dichloroethane	52	2.0	50.00	0	104	48	133				
1,1-Dichloroethene	54	2.0	50.00	0	108	49	139				
1,2-Dichlorobenzene	55	2.0	50.00	0	110	36	120				
1,2-Dichloroethane	49	2.0	50.00	0	97.9	26	145				
1,2-Dichloropropane	50	2.0	50.00	0	100	47	135				
1,3-Dichlorobenzene	58	2.0	50.00	0	116	36	122				
1,4-Dichlorobenzene	58	2.0	50.00	0	115	32	125				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	40	130				SU
Benzene	51	2.0	50.00	0	103	48	137				
Bromodichloromethane	47	2.0	50.00	0	94.4	46	130				
Bromoform	50	2.0	50.00	0	99.4	28	130				
Bromomethane	41	4.0	50.00	0	81.5	25	142				
Carbon tetrachloride	50	2.0	50.00	0	101	50	135				
Chlorobenzene	52	2.0	50.00	0	104	42	121				
Chloroethane	46	2.0	50.00	0	92.3	53	137				
Chloroform	50	2.0	50.00	0	100	44	136				
Chloromethane	48	2.0	50.00	0	95.4	33	146				*
cis-1,3-Dichloropropene	44	2.0	50.00	0	87.2	28	128				
Dibromochloromethane	45	2.0	50.00	0	89.5	28	129				
Ethylbenzene	54	2.0	50.00	0	107	41	124				
Methylene chloride	35	2.0	50.00	0	70.2	10	120				B*
Tetrachloroethene	40	2.0	50.00	0	80.1	34	120				*
Toluene	50	2.0	50.00	0	99.7	49	126				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509098**
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
LCS-6430	LCS	8260_W	µg/L	9/21/2015	11187						
Client ID: LCSW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 206898						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,2-Dichloroethene	51	2.0	50.00	0	102	51	130				
trans-1,3-Dichloropropene	45	2.0	50.00	0	89.2	27	130				
Trichloroethene	48	2.0	50.00	0	96.9	52	121				
Trichlorofluoromethane	47	2.0	50.00	0	93.5	47	148				
Vinyl chloride	51	2.0	50.00	0	101	52	148				
Surr: 4-Bromofluorobenzene	44		50.00		88.5	76	123				
Surr: Dibromofluoromethane	53		50.00		106	71	132				
Surr: Toluene-d8	51		50.00		103	80	120				

Sample ID	SampType	TestCode	Units	Prep Date	RunNo						
MB-6430	MBLK	8260_W	µg/L	9/21/2015	11187						
Client ID: PBW	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 206899						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	ND	2.0									U
1,1,1-Trichloroethane	ND	2.0									U
1,1,2,2-Tetrachloroethane	ND	2.0									U
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	2.0									U
1,1,2-Trichloroethane	ND	2.0									U
1,1-Dichloroethane	ND	2.0									U
1,1-Dichloroethene	ND	2.0									U
1,1-Dichloropropene	ND	2.0									U
1,2,3-Trichlorobenzene	ND	2.0									U
1,2,3-Trichloropropane	ND	2.0									U
1,2,4,5-Tetramethylbenzene	ND	2.0									U
1,2,4-Trichlorobenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11187
Client ID	PBW	Batch ID	6430	TestNo	SW8260C	SW5030C		Analysis Date	9/21/2015	SeqNo	206899
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trimethylbenzene	ND	2.0									U
1,2-Dibromo-3-chloropropane	ND	2.0									U
1,2-Dibromoethane	ND	2.0									U
1,2-Dichlorobenzene	ND	2.0									U
1,2-Dichloroethane	ND	2.0									U
1,2-Dichloropropane	ND	2.0									U
1,3,5-Trimethylbenzene	ND	2.0									U
1,3-Dichlorobenzene	ND	2.0									U
1,3-dichloropropane	ND	2.0									U
1,4-Dichlorobenzene	ND	2.0									U
1,4-Dioxane	ND	2.0									U
2,2-Dichloropropane	ND	2.0									U
2-Butanone	ND	4.0									U*
2-Chloroethyl vinyl ether	ND	2.0									U
2-Chlorotoluene	ND	2.0									U
2-Hexanone	ND	4.0									U
2-Propanol	ND	2.0									U*
4-Chlorotoluene	ND	2.0									U
4-Isopropyltoluene	ND	2.0									U
4-Methyl-2-pentanone	ND	4.0									U
Acetone	2.2	4.0									J*
Benzene	ND	2.0									U
Bromobenzene	ND	2.0									U
Bromochloromethane	ND	2.0									U
Bromodichloromethane	ND	2.0									U
Bromoform	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType	MBLK	TestCode	8260_W	Units	µg/L	Prep Date	9/21/2015	RunNo	11187
Client ID	PBW	Batch ID	6430	TestNo	SW8260C	SW5030C		Analysis Date	9/21/2015	SeqNo	206899
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromomethane	ND	4.0									U
Carbon disulfide	ND	2.0									U
Carbon tetrachloride	ND	2.0									U
Chlorobenzene	ND	2.0									U
Chlorodifluoromethane	ND	2.0									U
Chloroethane	ND	2.0									U
Chloroform	ND	2.0									U
Chloromethane	ND	2.0									U*
cis-1,2-Dichloroethene	ND	2.0									U
cis-1,3-Dichloropropene	ND	2.0									U
Cyclohexane	ND	2.0									U*
Dibromochloromethane	ND	2.0									U
Dibromomethane	ND	2.0									U
Dichlorodifluoromethane	ND	2.0									U*
Diisopropyl ether	ND	2.0									U*
Ethanol	ND	10									U
Ethylbenzene	ND	2.0									U
Freon-114	ND	2.0									U*
Hexachlorobutadiene	ND	2.0									U
Isopropylbenzene	ND	2.0									U
m,p-Xylene	ND	4.0									U
Methyl Acetate	ND	2.0									U*
Methyl tert-butyl ether	ND	2.0									U*
Methylene chloride	10	2.0									*
n-Butylbenzene	ND	2.0									U
n-Propylbenzene	ND	2.0									U

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: **1509098**
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	MB-6430	SampType:	MBLK	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11187
Client ID:	PBW	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	206899
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	2.0									U
o-Xylene	ND	2.0									U
p-Diethylbenzene	ND	2.0									U
p-Ethyltoluene	ND	2.0									U
sec-Butylbenzene	ND	2.0									U
Styrene	ND	2.0									U
t-Butyl alcohol	ND	10									U*
tert-Butylbenzene	ND	2.0									U
Tetrachloroethene	ND	2.0									U*
Toluene	ND	2.0									U
trans-1,2-Dichloroethene	ND	2.0									U
trans-1,3-Dichloropropene	ND	2.0									U
Trichloroethene	ND	2.0									U
Trichlorofluoromethane	ND	2.0									U
Vinyl acetate	ND	2.0									U*
Vinyl chloride	ND	2.0									U
Surr: 4-Bromofluorobenzene	45		50.00		90.4	76	123				
Surr: Dibromofluoromethane	52		50.00		104	71	132				
Surr: Toluene-d8	50		50.00		99.3	80	120				

Sample ID	1509103-006AMS	SampType:	MS	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11187
Client ID:	BatchQC	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	206905
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	51	2.0	50.00	0	101	50	134				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	1509103-006AMS	SampType:	MS	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11187
Client ID:	BatchQC	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	206905
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	53	2.0	50.00	0	106	37	128				
1,1,2-Trichloroethane	46	2.0	50.00	0	91.1	50	134				
1,1-Dichloroethane	54	2.0	50.00	0	108	49	138				
1,1-Dichloroethene	ND	2.0	50.00	0	0	44	140				SU
1,2-Dichlorobenzene	51	2.0	50.00	0	102	53	121				
1,2-Dichloroethane	52	2.0	50.00	0	103	49	139				
1,2-Dichloropropane	50	2.0	50.00	0	100	54	128				
1,3-Dichlorobenzene	53	2.0	50.00	0	107	54	120				
1,4-Dichlorobenzene	52	2.0	50.00	0	104	52	121				
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	20	128				SU
Benzene	52	2.0	50.00	0	105	53	133				
Bromodichloromethane	46	2.0	50.00	0	92.6	53	129				
Bromoform	47	2.0	50.00	0	94.6	49	121				
Bromomethane	41	4.0	50.00	0	81.4	20	147				
Carbon tetrachloride	50	2.0	50.00	0	99.2	47	134				
Chlorobenzene	50	2.0	50.00	0	99.2	54	122				
Chloroethane	46	2.0	50.00	0	93.0	46	146				
Chloroform	51	2.0	50.00	0	102	56	131				
Chloromethane	49	2.0	50.00	0	98.2	48	152				*
cis-1,3-Dichloropropene	42	2.0	50.00	0	84.9	40	133				
Dibromochloromethane	43	2.0	50.00	0	86.8	54	131				
Ethylbenzene	52	2.0	50.00	0	104	38	142				
Methylene chloride	37	2.0	50.00	11.55	50.7	10	120				B*
Tetrachloroethene	36	2.0	50.00	0	71.9	29	123				*
Toluene	48	2.0	50.00	0	96.8	54	134				
trans-1,2-Dichloroethene	50	2.0	50.00	0	99.6	49	133				

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	1509103-006AMS	SampType:	MS	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11187
Client ID:	BatchQC	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	206905
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
trans-1,3-Dichloropropene	43	2.0	50.00	0	86.9	45	133				
Trichloroethene	45	2.0	50.00	0	89.8	50	130				
Trichlorofluoromethane	46	2.0	50.00	0	91.3	53	151				
Vinyl chloride	51	2.0	50.00	0	102	58	151				
Surr: 4-Bromofluorobenzene	44		50.00		88.0	76	123				
Surr: Dibromofluoromethane	55		50.00		110	71	132				
Surr: Toluene-d8	51		50.00		103	80	120				

Sample ID	1509103-006AMSD	SampType:	MSD	TestCode:	8260_W	Units:	µg/L	Prep Date:	9/21/2015	RunNo:	11187
Client ID:	BatchQC	Batch ID:	6430	TestNo:	SW8260C	SW5030C		Analysis Date:	9/21/2015	SeqNo:	206906
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	50	2.0	50.00	0	101	50	134	50.50	0.0792	20	
1,1,2,2-Tetrachloroethane	53	2.0	50.00	0	106	37	128	52.80	0.0947	20	
1,1,2-Trichloroethane	45	2.0	50.00	0	89.8	50	134	45.54	1.44	20	
1,1-Dichloroethane	54	2.0	50.00	0	108	49	138	53.80	0.519	20	
1,1-Dichloroethene	ND	2.0	50.00	0	0	44	140	0	0	20	SU
1,2-Dichlorobenzene	51	2.0	50.00	0	103	53	121	50.99	0.509	20	
1,2-Dichloroethane	51	2.0	50.00	0	103	49	139	51.55	0.486	20	
1,2-Dichloropropane	49	2.0	50.00	0	97.5	54	128	50.21	2.93	20	
1,3-Dichlorobenzene	53	2.0	50.00	0	105	54	120	53.34	1.32	20	
1,4-Dichlorobenzene	52	2.0	50.00	0	103	52	121	52.24	1.00	20	
2-Chloroethyl vinyl ether	ND	2.0	50.00	0	0	20	128	0	0	20	SU
Benzene	52	2.0	50.00	0	105	53	133	52.26	0.134	20	
Bromodichloromethane	45	2.0	50.00	0	89.2	53	129	46.30	3.76	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6430

Sample ID	1509103-006AMSD	SampType: MSD	TestCode: 8260_W	Units: µg/L	Prep Date: 9/21/2015	RunNo: 11187					
Client ID: BatchQC	Batch ID: 6430	TestNo: SW8260C	SW5030C	Analysis Date: 9/21/2015	SeqNo: 206906						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	48	2.0	50.00	0	96.5	49	121	47.30	1.99	20	
Bromomethane	46	4.0	50.00	0	91.6	20	147	40.69	11.8	20	
Carbon tetrachloride	50	2.0	50.00	0	99.4	47	134	49.59	0.181	20	
Chlorobenzene	50	2.0	50.00	0	100	54	122	49.62	0.963	20	
Chloroethane	47	2.0	50.00	0	94.5	46	146	46.49	1.60	20	
Chloroform	51	2.0	50.00	0	102	56	131	51.06	0.353	20	
Chloromethane	52	2.0	50.00	0	104	48	152	49.11	5.52	20	*
cis-1,3-Dichloropropene	41	2.0	50.00	0	81.5	40	133	42.47	4.11	20	
Dibromochloromethane	42	2.0	50.00	0	83.4	54	131	43.38	3.90	20	
Ethylbenzene	52	2.0	50.00	0	104	38	142	51.97	0.269	20	
Methylene chloride	37	2.0	50.00	11.55	50.0	10	120	36.88	0.844	20	B*
Tetrachloroethene	35	2.0	50.00	0	70.5	29	123	35.96	1.97	20	*
Toluene	47	2.0	50.00	0	93.3	54	134	48.40	3.66	20	
trans-1,2-Dichloroethene	51	2.0	50.00	0	101	49	133	49.82	1.81	20	
trans-1,3-Dichloropropene	42	2.0	50.00	0	84.3	45	133	43.44	3.04	20	
Trichloroethene	45	2.0	50.00	0	89.0	50	130	44.92	0.894	20	
Trichlorofluoromethane	46	2.0	50.00	0	91.9	53	151	45.66	0.590	20	
Vinyl chloride	52	2.0	50.00	0	104	58	151	51.18	2.03	20	
Surr: 4-Bromofluorobenzene	43		50.00		85.9	76	123		0	20	
Surr: Dibromofluoromethane	56		50.00		111	71	132		0	20	
Surr: Toluene-d8	50		50.00		101	80	120		0	20	

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits



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QC SUMMARY REPORT

WO#: 1509098
 28-Sep-15

Client: CA Rich Consultants Inc.
Project: 1815 West Farms Road, Bronx, NY

BatchID: 6441

Sample ID	1509135-005AMS	SampType: MS	TestCode: HG_W	Units: mg/L	Prep Date: 9/21/2015	RunNo: 11091
Client ID:	BatchQC	Batch ID: 6441	TestNo: E245.1 Rev3. E245.1 Rev3.	Analysis Date: 9/22/2015	SeqNo: 204735	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.00387	0.000300	0.004000	0.0005300	83.5	70 130

Sample ID	1509135-005AMSD	SampType: MSD	TestCode: HG_W	Units: mg/L	Prep Date: 9/21/2015	RunNo: 11091
Client ID:	BatchQC	Batch ID: 6441	TestNo: E245.1 Rev3. E245.1 Rev3.	Analysis Date: 9/22/2015	SeqNo: 204736	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.00395	0.000300	0.004000	0.0005300	85.5	70 130 0.003870 2.05 20

Sample ID	MBW092115A	SampType: MBLK	TestCode: HG_W	Units: mg/L	Prep Date: 9/21/2015	RunNo: 11091
Client ID:	PBW	Batch ID: 6441	TestNo: E245.1 Rev3. E245.1 Rev3.	Analysis Date: 9/22/2015	SeqNo: 204810	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	ND	0.000300				U

Sample ID	LCSW092115A	SampType: LCS	TestCode: HG_W	Units: mg/L	Prep Date: 9/21/2015	RunNo: 11091
Client ID:	LCSW	Batch ID: 6441	TestNo: E245.1 Rev3. E245.1 Rev3.	Analysis Date: 9/22/2015	SeqNo: 204811	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Mercury	0.00400	0.000300	0.004000	0	100	85 115

Qualifiers: R RPD outside accepted recovery limits

S Spike Recovery outside accepted recovery limits

APPENDIX F

Laboratory Data Deliverables Soil Vapor Analytical Data



ANALYTICAL REPORT

Lab Number:	L1522600
Client:	CA RICH CONSULTANTS, INC. 17 Dupont St. Plainview, NY 11803
ATTN:	William Fitchett
Phone:	(516) 576-8844
Project Name:	1815 WEST FARMS ROAD
Project Number:	Not Specified
Report Date:	09/21/15

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Certifications & Approvals: NY (11627), CT (PH-0141), NH (2206), NJ NELAP (MA015), RI (LAO00299), ME (MA00030), PA (68-02089), VA (460194), LA NELAP (03090), FL (E87814), TX (T104704419), WA (C954), USFWS (Permit #LE2069641), USDA (Permit #P330-11-00109), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1522600-01	SV-1	SOIL_VAPOR	1815 WEST FARMS ROAD	09/11/15 10:51	09/14/15
L1522600-02	SV-2	SOIL_VAPOR	1815 WEST FARMS ROAD	09/11/15 10:50	09/14/15
L1522600-03	SV-3	SOIL_VAPOR	1815 WEST FARMS ROAD	09/11/15 11:27	09/14/15
L1522600-04	SV-4	SOIL_VAPOR	1815 WEST FARMS ROAD	09/11/15 10:41	09/14/15
L1522600-05	SV-5	SOIL_VAPOR	1815 WEST FARMS ROAD	09/11/15 09:45	09/14/15

Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

Case Narrative (continued)

Volatile Organics in Air

Canisters were released from the laboratory on September 3, 2015. The canister certification results are provided as an addendum.

Sample L1522600-01 results for Acetone should be considered estimated due to co-elution with a non-target peak.

The WG822790-3 LCS recoveries for 1,2,4-Trichlorobenzene (139%) and Hexachlorobutadiene (138%) are above the upper 130% acceptance limit. The response for these compounds was elevated however they were not detected in any of the associated samples therefore no further action was taken.

Sample Receipt

The sample designated SV-3 (L1522600-03) had a RPD for the pre- and post-flow controller calibration check (36% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 39.9 mL/minute; the final flow rate was 27.8mL/minute. The final pressure recorded by the laboratory of the associated canister was -6.2 inches of mercury.

The sample designated (L1522600-05) had a RPD for the pre- and post-flow controller calibration check (97% RPD) that was outside of the control limit (20% RPD). The initial flow rate for the flow controller was 39.9 mL/minute; the final flow rate was 13.8mL/minute. The final pressure recorded by the laboratory of the associated canister was -3.7 inches of mercury.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Christopher J. Anderson

Title: Technical Director/Representative

Date: 09/21/15

AIR

Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-01
 Client ID: SV-1
 Sample Location: 1815 WEST FARMS ROAD
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/18/15 22:13
 Analyst: RY

Date Collected: 09/11/15 10:51
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.313	0.200	--	1.55	0.989	--		1
Chloromethane	0.305	0.200	--	0.630	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	66.4	2.50	--	125	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	7.76	1.00	--	18.4	2.38	--		1
Trichlorofluoromethane	0.407	0.200	--	2.29	1.12	--		1
Isopropanol	0.867	0.500	--	2.13	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	0.749	0.500	--	2.27	1.52	--		1
Methylene chloride	1.50	0.500	--	5.21	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.348	0.200	--	1.08	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	3.19	0.500	--	9.41	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

SAMPLE RESULTS

Lab ID: L1522600-01
 Client ID: SV-1
 Sample Location: 1815 WEST FARMS ROAD

Date Collected: 09/11/15 10:51
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.595	0.500	--	1.75	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.30	0.200	--	8.11	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	7.26	0.200	--	23.2	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	2.04	0.200	--	7.02	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	5.45	0.200	--	29.3	1.07	--		1
2,2,4-Trimethylpentane	0.854	0.200	--	3.99	0.934	--		1
Heptane	1.75	0.200	--	7.17	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	52.5	0.200	--	198	0.754	--		1
2-Hexanone	0.253	0.200	--	1.04	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.723	0.200	--	4.90	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	10.2	0.200	--	44.3	0.869	--		1
p/m-Xylene	35.7	0.400	--	155	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.321	0.200	--	1.37	0.852	--		1



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-01

Date Collected: 09/11/15 10:51

Client ID: SV-1

Date Received: 09/14/15

Sample Location: 1815 WEST FARMS ROAD

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	11.4	0.200	--	49.5	0.869	--		1
4-Ethyltoluene	2.26	0.200	--	11.1	0.983	--		1
1,3,5-Trimethylbenzene	1.65	0.200	--	8.11	0.983	--		1
1,2,4-Trimethylbenzene	6.32	0.200	--	31.1	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	89		60-140
chlorobenzene-d5	86		60-140



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-02
 Client ID: SV-2
 Sample Location: 1815 WEST FARMS ROAD
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/18/15 22:48
 Analyst: RY

Date Collected: 09/11/15 10:50
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.264	0.200	--	1.31	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	78.4	2.50	--	148	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	24.3	1.00	--	57.7	2.38	--		1
Trichlorofluoromethane	0.478	0.200	--	2.69	1.12	--		1
Isopropanol	1.04	0.500	--	2.56	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	2.20	0.500	--	6.67	1.52	--		1
Methylene chloride	1.28	0.500	--	4.45	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	1.02	0.200	--	3.18	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	5.22	0.500	--	15.4	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

SAMPLE RESULTS

Lab ID: L1522600-02
 Client ID: SV-2
 Sample Location: 1815 WEST FARMS ROAD

Date Collected: 09/11/15 10:50
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.16	0.500	--	3.42	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.70	0.200	--	9.52	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	10.7	0.200	--	34.2	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	2.20	0.200	--	7.57	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	1.15	0.200	--	5.37	0.934	--		1
Heptane	2.34	0.200	--	9.59	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	74.7	0.200	--	282	0.754	--		1
2-Hexanone	0.811	0.200	--	3.32	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.01	0.200	--	6.85	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	17.3	0.200	--	75.1	0.869	--		1
p/m-Xylene	61.8	0.400	--	268	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.715	0.200	--	3.04	0.852	--		1



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-02

Date Collected: 09/11/15 10:50

Client ID: SV-2

Date Received: 09/14/15

Sample Location: 1815 WEST FARMS ROAD

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	20.4	0.200	--	88.6	0.869	--		1
4-Ethyltoluene	4.28	0.200	--	21.0	0.983	--		1
1,3,5-Trimethylbenzene	3.08	0.200	--	15.1	0.983	--		1
1,2,4-Trimethylbenzene	11.4	0.200	--	56.0	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	91		60-140
Bromochloromethane	86		60-140
chlorobenzene-d5	87		60-140



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-03
 Client ID: SV-3
 Sample Location: 1815 WEST FARMS ROAD
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/18/15 23:22
 Analyst: RY

Date Collected: 09/11/15 11:27
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	1.30	0.200	--	2.88	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	123	2.50	--	232	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	40.9	1.00	--	97.2	2.38	--		1
Trichlorofluoromethane	0.828	0.200	--	4.65	1.12	--		1
Isopropanol	1.85	0.500	--	4.55	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	5.51	0.500	--	16.7	1.52	--		1
Methylene chloride	1.29	0.500	--	4.48	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	3.80	0.200	--	11.8	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	6.95	0.500	--	20.5	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

SAMPLE RESULTS

Lab ID: L1522600-03
 Client ID: SV-3
 Sample Location: 1815 WEST FARMS ROAD

Date Collected: 09/11/15 11:27
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	2.46	0.500	--	7.26	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	4.87	0.200	--	17.2	0.705	--		1
1,1,1-Trichloroethane	0.232	0.200	--	1.27	1.09	--		1
Benzene	17.3	0.200	--	55.3	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	2.44	0.200	--	8.40	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	2.61	0.200	--	12.2	0.934	--		1
Heptane	3.73	0.200	--	15.3	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	0.690	0.500	--	2.83	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	99.4	0.200	--	375	0.754	--		1
2-Hexanone	0.387	0.200	--	1.59	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.277	0.200	--	1.88	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	19.5	0.200	--	84.7	0.869	--		1
p/m-Xylene	67.7	0.400	--	294	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.585	0.200	--	2.49	0.852	--		1



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-03
 Client ID: SV-3
 Sample Location: 1815 WEST FARMS ROAD

Date Collected: 09/11/15 11:27
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	21.7	0.200	--	94.3	0.869	--		1
4-Ethyltoluene	4.34	0.200	--	21.3	0.983	--		1
1,3,5-Trimethylbenzene	3.28	0.200	--	16.1	0.983	--		1
1,2,4-Trimethylbenzene	12.1	0.200	--	59.5	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	90		60-140
Bromochloromethane	85		60-140
chlorobenzene-d5	87		60-140



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-04
Client ID: SV-4
Sample Location: 1815 WEST FARMS ROAD
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 09/18/15 23:56
Analyst: RY

Date Collected: 09/11/15 10:41
Date Received: 09/14/15
Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.318	0.200	--	1.57	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	0.305	0.200	--	0.675	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	75.9	2.50	--	143	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	20.7	1.00	--	49.2	2.38	--		1
Trichlorofluoromethane	1.88	0.200	--	10.6	1.12	--		1
Isopropanol	1.30	0.500	--	3.20	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	7.34	0.500	--	22.3	1.52	--		1
Methylene chloride	0.502	0.500	--	1.74	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	0.500	0.200	--	1.56	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	4.32	0.500	--	12.7	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

SAMPLE RESULTS

Lab ID: L1522600-04
 Client ID: SV-4
 Sample Location: 1815 WEST FARMS ROAD

Date Collected: 09/11/15 10:41
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	1.65	0.500	--	4.87	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	2.79	0.200	--	9.83	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	10.3	0.200	--	32.9	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	1.44	0.200	--	4.96	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	0.253	0.200	--	1.36	1.07	--		1
2,2,4-Trimethylpentane	1.42	0.200	--	6.63	0.934	--		1
Heptane	2.23	0.200	--	9.14	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	73.6	0.200	--	277	0.754	--		1
2-Hexanone	0.456	0.200	--	1.87	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	1.12	0.200	--	7.59	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	17.0	0.200	--	73.8	0.869	--		1
p/m-Xylene	61.3	0.400	--	266	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.728	0.200	--	3.10	0.852	--		1



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-04

Date Collected: 09/11/15 10:41

Client ID: SV-4

Date Received: 09/14/15

Sample Location: 1815 WEST FARMS ROAD

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	21.0	0.200	--	91.2	0.869	--		1
4-Ethyltoluene	4.43	0.200	--	21.8	0.983	--		1
1,3,5-Trimethylbenzene	3.47	0.200	--	17.1	0.983	--		1
1,2,4-Trimethylbenzene	12.9	0.200	--	63.4	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	89		60-140
Bromochloromethane	87		60-140
chlorobenzene-d5	88		60-140



Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

SAMPLE RESULTS

Lab ID: L1522600-05
 Client ID: SV-5
 Sample Location: 1815 WEST FARMS ROAD
 Matrix: Soil_Vapor
 Analytical Method: 48,TO-15
 Analytical Date: 09/19/15 00:30
 Analyst: RY

Date Collected: 09/11/15 09:45
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Dichlorodifluoromethane	0.456	0.200	--	2.25	0.989	--		1
Chloromethane	0.297	0.200	--	0.613	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	53.9	2.50	--	102	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	11.3	1.00	--	26.8	2.38	--		1
Trichlorofluoromethane	2.05	0.200	--	11.5	1.12	--		1
Isopropanol	0.769	0.500	--	1.89	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	1.85	0.500	--	5.61	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	2.89	0.500	--	8.52	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1



Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

SAMPLE RESULTS

Lab ID: L1522600-05
 Client ID: SV-5
 Sample Location: 1815 WEST FARMS ROAD

Date Collected: 09/11/15 09:45
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	0.540	0.500	--	1.59	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	1.62	0.200	--	5.71	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	6.22	0.200	--	19.9	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	0.890	0.200	--	3.06	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	0.605	0.200	--	2.83	0.934	--		1
Heptane	1.38	0.200	--	5.66	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	45.7	0.200	--	172	0.754	--		1
2-Hexanone	0.262	0.200	--	1.07	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	0.239	0.200	--	1.62	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	8.94	0.200	--	38.8	0.869	--		1
p/m-Xylene	30.4	0.400	--	132	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	0.247	0.200	--	1.05	0.852	--		1



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**SAMPLE RESULTS**

Lab ID: L1522600-05
 Client ID: SV-5
 Sample Location: 1815 WEST FARMS ROAD

Date Collected: 09/11/15 09:45
 Date Received: 09/14/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	9.87	0.200	--	42.9	0.869	--		1
4-Ethyltoluene	1.97	0.200	--	9.68	0.983	--		1
1,3,5-Trimethylbenzene	1.36	0.200	--	6.69	0.983	--		1
1,2,4-Trimethylbenzene	5.24	0.200	--	25.8	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	93		60-140
Bromochloromethane	90		60-140
chlorobenzene-d5	91		60-140



Project Name: 1815 WEST FARMS ROAD

Lab Number: L1522600

Project Number: Not Specified

Report Date: 09/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/18/15 15:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG822790-4								
Propylene	ND	0.500	--	ND	0.861	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
Freon-114	ND	0.200	--	ND	1.40	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethanol	ND	2.50	--	ND	4.71	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
Isopropanol	ND	0.500	--	ND	1.23	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Tertiary butyl Alcohol	ND	0.500	--	ND	1.52	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
Freon-113	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1

Project Name: 1815 WEST FARMS ROAD

Lab Number: L1522600

Project Number: Not Specified

Report Date: 09/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/18/15 15:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG822790-4								
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1



Project Name: 1815 WEST FARMS ROAD

Lab Number: L1522600

Project Number: Not Specified

Report Date: 09/21/15

Method Blank Analysis Batch Quality Control

Analytical Method: 48,TO-15

Analytical Date: 09/18/15 15:33

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab for sample(s): 01-05 Batch: WG822790-4								
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1815 WEST FARMS ROAD

Lab Number: L1522600

Project Number: Not Specified

Report Date: 09/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG822790-3								
Chlorodifluoromethane	82		-		70-130	-		
Propylene	90		-		70-130	-		
Propane	72		-		70-130	-		
Dichlorodifluoromethane	107		-		70-130	-		
Chloromethane	87		-		70-130	-		
1,2-Dichloro-1,1,2,2-tetrafluoroethane	94		-		70-130	-		
Methanol	70		-		70-130	-		
Vinyl chloride	94		-		70-130	-		
1,3-Butadiene	95		-		70-130	-		
Butane	78		-		70-130	-		
Bromomethane	99		-		70-130	-		
Chloroethane	89		-		70-130	-		
Ethyl Alcohol	75		-		70-130	-		
Dichlorofluoromethane	80		-		70-130	-		
Vinyl bromide	96		-		70-130	-		
Acrolein	79		-		70-130	-		
Acetone	85		-		70-130	-		
Acetonitrile	81		-		70-130	-		
Trichlorofluoromethane	92		-		70-130	-		
iso-Propyl Alcohol	84		-		70-130	-		
Acrylonitrile	80		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1815 WEST FARMS ROAD

Lab Number: L1522600

Project Number: Not Specified

Report Date: 09/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG822790-3								
Pentane	78		-		70-130	-		
Ethyl ether	77		-		70-130	-		
1,1-Dichloroethene	95		-		70-130	-		
tert-Butyl Alcohol	85		-		70-130	-		
Methylene chloride	89		-		70-130	-		
3-Chloropropene	93		-		70-130	-		
Carbon disulfide	98		-		70-130	-		
1,1,2-Trichloro-1,2,2-Trifluoroethane	102		-		70-130	-		
trans-1,2-Dichloroethene	88		-		70-130	-		
1,1-Dichloroethane	98		-		70-130	-		
Methyl tert butyl ether	95		-		70-130	-		
Vinyl acetate	123		-		70-130	-		
2-Butanone	94		-		70-130	-		
cis-1,2-Dichloroethene	107		-		70-130	-		
Ethyl Acetate	109		-		70-130	-		
Chloroform	98		-		70-130	-		
Tetrahydrofuran	87		-		70-130	-		
2,2-Dichloropropane	84		-		70-130	-		
1,2-Dichloroethane	90		-		70-130	-		
n-Hexane	88		-		70-130	-		
Isopropyl Ether	84		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1815 WEST FARMS ROAD

Lab Number: L1522600

Project Number: Not Specified

Report Date: 09/21/15

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG822790-3								
Ethyl-Tert-Butyl-Ether	80		-		70-130	-		
1,1,1-Trichloroethane	86		-		70-130	-		
1,1-Dichloropropene	90		-		70-130	-		
Benzene	93		-		70-130	-		
Carbon tetrachloride	89		-		70-130	-		
Cyclohexane	89		-		70-130	-		
Tertiary-Amyl Methyl Ether	83		-		70-130	-		
Dibromomethane	84		-		70-130	-		
1,2-Dichloropropane	95		-		70-130	-		
Bromodichloromethane	89		-		70-130	-		
1,4-Dioxane	94		-		70-130	-		
Trichloroethene	100		-		70-130	-		
2,2,4-Trimethylpentane	93		-		70-130	-		
Methyl Methacrylate	79		-		70-130	-		
Heptane	88		-		70-130	-		
cis-1,3-Dichloropropene	100		-		70-130	-		
4-Methyl-2-pentanone	83		-		70-130	-		
trans-1,3-Dichloropropene	79		-		70-130	-		
1,1,2-Trichloroethane	98		-		70-130	-		
Toluene	110		-		70-130	-		
1,3-Dichloropropane	100		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1815 WEST FARMS ROAD

Lab Number: L1522600

Project Number: Not Specified

Report Date: 09/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG822790-3								
2-Hexanone	102		-		70-130	-		
Dibromochloromethane	109		-		70-130	-		
1,2-Dibromoethane	110		-		70-130	-		
Butyl Acetate	99		-		70-130	-		
Octane	100		-		70-130	-		
Tetrachloroethene	117		-		70-130	-		
1,1,1,2-Tetrachloroethane	104		-		70-130	-		
Chlorobenzene	116		-		70-130	-		
Ethylbenzene	113		-		70-130	-		
p/m-Xylene	112		-		70-130	-		
Bromoform	116		-		70-130	-		
Styrene	118		-		70-130	-		
1,1,2,2-Tetrachloroethane	115		-		70-130	-		
o-Xylene	114		-		70-130	-		
1,2,3-Trichloropropane	104		-		70-130	-		
Nonane (C9)	100		-		70-130	-		
Isopropylbenzene	111		-		70-130	-		
Bromobenzene	105		-		70-130	-		
o-Chlorotoluene	112		-		70-130	-		
n-Propylbenzene	113		-		70-130	-		
p-Chlorotoluene	108		-		70-130	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1815 WEST FARMS ROAD

Lab Number: L1522600

Project Number: Not Specified

Report Date: 09/21/15

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 Batch: WG822790-3								
4-Ethyltoluene	112		-		70-130	-		
1,3,5-Trimethylbenzene	113		-		70-130	-		
tert-Butylbenzene	111		-		70-130	-		
1,2,4-Trimethylbenzene	118		-		70-130	-		
Decane (C10)	105		-		70-130	-		
Benzyl chloride	117		-		70-130	-		
1,3-Dichlorobenzene	128		-		70-130	-		
1,4-Dichlorobenzene	126		-		70-130	-		
sec-Butylbenzene	109		-		70-130	-		
p-Isopropyltoluene	104		-		70-130	-		
1,2-Dichlorobenzene	125		-		70-130	-		
n-Butylbenzene	114		-		70-130	-		
1,2-Dibromo-3-chloropropane	102		-		70-130	-		
Undecane	116		-		70-130	-		
Dodecane (C12)	133	Q	-		70-130	-		
1,2,4-Trichlorobenzene	139	Q	-		70-130	-		
Naphthalene	127		-		70-130	-		
1,2,3-Trichlorobenzene	131	Q	-		70-130	-		
Hexachlorobutadiene	138	Q	-		70-130	-		

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1815 WEST FARMS ROAD

Project Number: Not Specified

Lab Number: L1522600

Report Date: 09/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG822790-5 QC Sample: L1522943-02 Client ID: DUP Sample						
Dichlorodifluoromethane	0.307	0.347	ppbV	12		25
Chloromethane	0.561	0.544	ppbV	3		25
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	ND	ppbV	NC		25
1,3-Butadiene	ND	ND	ppbV	NC		25
Bromomethane	ND	ND	ppbV	NC		25
Chloroethane	ND	ND	ppbV	NC		25
Ethyl Alcohol	27.0	27.1	ppbV	0		25
Vinyl bromide	ND	ND	ppbV	NC		25
Acetone	8.58	8.62	ppbV	0		25
Trichlorofluoromethane	0.217	0.235	ppbV	8		25
iso-Propyl Alcohol	3.62	3.68	ppbV	2		25
tert-Butyl Alcohol	ND	ND	ppbV	NC		25
Methylene chloride	0.907	0.899	ppbV	1		25
3-Chloropropene	ND	ND	ppbV	NC		25
Carbon disulfide	ND	ND	ppbV	NC		25
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	ND	ppbV	NC		25
trans-1,2-Dichloroethene	ND	ND	ppbV	NC		25
1,1-Dichloroethane	ND	ND	ppbV	NC		25
Methyl tert butyl ether	ND	ND	ppbV	NC		25

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1815 WEST FARMS ROAD

Project Number: Not Specified

Lab Number: L1522600

Report Date: 09/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG822790-5 QC Sample: L1522943-02 Client ID: DUP Sample					
2-Butanone	0.521	0.512	ppbV	2	25
Ethyl Acetate	0.551	ND	ppbV	NC	25
Chloroform	0.357	0.361	ppbV	1	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
Benzene	0.226	0.213	ppbV	6	25
Cyclohexane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	0.206	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
Toluene	0.847	0.864	ppbV	2	25
2-Hexanone	0.392	0.372	ppbV	5	25

Lab Duplicate Analysis

Batch Quality Control

Project Name: 1815 WEST FARMS ROAD

Project Number: Not Specified

Lab Number: L1522600

Report Date: 09/21/15

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Volatile Organics in Air - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG822790-5 QC Sample: L1522943-02 Client ID: DUP Sample					
Dibromochloromethane	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
p/m-Xylene	0.419	0.421	ppbV	0	25
Bromoform	ND	ND	ppbV	NC	25
Styrene	0.388	0.401	ppbV	3	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
1,3,5-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25

Project Name: 1815 WEST FARMS ROAD

Serial_No:09211514:25
Lab Number: L1522600

Project Number:

Report Date: 09/21/15

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Date Prepared	Bottle Order	Cleaning Batch ID	Can Leak Check	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Controller Leak Chk	Flow Out mL/min	Flow In mL/min	% RPD
L1522600-01	SV-1	0490	#30 SV	09/03/15	208931		-	-	-	Pass	39.9	33.9	16
L1522600-01	SV-1	1647	6.0L Can	09/03/15	208931	L1520957-01	Pass	-29.6	-8.7	-	-	-	-
L1522600-02	SV-2	0094	#90 SV	09/03/15	208931		-	-	-	Pass	40.0	41.0	2
L1522600-02	SV-2	1541	6.0L Can	09/03/15	208931	L1520957-01	Pass	-29.6	-8.6	-	-	-	-
L1522600-03	SV-3	0471	#30 SV	09/03/15	208931		-	-	-	Pass	39.9	27.8	36
L1522600-03	SV-3	1785	6.0L Can	09/03/15	208931	L1520732-02	Pass	-29.6	-13.1	-	-	-	-
L1522600-04	SV-4	0314	#30 AMB	09/03/15	208931		-	-	-	Pass	39.9	39.2	2
L1522600-04	SV-4	2111	6.0L Can	09/03/15	208931	L1520957-01	Pass	-29.7	-6.2	-	-	-	-
L1522600-05	SV-5	0061	#30 AMB	09/03/15	208931		-	-	-	Pass	39.9	13.8	97
L1522600-05	SV-5	2066	6.0L Can	09/03/15	208931	L1520957-01	Pass	-29.7	-3.7	-	-	-	-

Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520732
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520732-02
 Client ID: CAN 931 SHELF 43
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/27/15 16:49
 Analyst: MB

Date Collected: 08/26/15 10:00
 Date Received: 08/26/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520732
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520732-02
 Client ID: CAN 931 SHELF 43
 Sample Location:

Date Collected: 08/26/15 10:00
 Date Received: 08/26/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520732
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520732-02
 Client ID: CAN 931 SHELF 43
 Sample Location:

Date Collected: 08/26/15 10:00
 Date Received: 08/26/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520732
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520732-02
 Client ID: CAN 931 SHELF 43
 Sample Location:

Date Collected: 08/26/15 10:00
 Date Received: 08/26/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name:

Lab Number: L1520732

Project Number: CANISTER QC BAT

Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520732-02

Date Collected: 08/26/15 10:00

Client ID: CAN 931 SHELF 43

Date Received: 08/26/15

Sample Location:

Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	102		60-140
Bromochloromethane	95		60-140
chlorobenzene-d5	99		60-140

Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520732
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520732-02
 Client ID: CAN 931 SHELF 43
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/27/15 16:49
 Analyst: MB

Date Collected: 08/26/15 10:00
 Date Received: 08/26/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520732
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520732-02
 Client ID: CAN 931 SHELF 43
 Sample Location:

Date Collected: 08/26/15 10:00
 Date Received: 08/26/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520732
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520732-02
 Client ID: CAN 931 SHELF 43
 Sample Location:

Date Collected: 08/26/15 10:00
 Date Received: 08/26/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	102		60-140
bromochloromethane	99		60-140
chlorobenzene-d5	103		60-140



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520957
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520957-01
 Client ID: CAN 1672 SHELF 51
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15
 Analytical Date: 08/28/15 18:17
 Analyst: MB

Date Collected: 08/27/15 18:00
 Date Received: 08/28/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Chlorodifluoromethane	ND	0.200	--	ND	0.707	--		1
Propylene	ND	0.500	--	ND	0.861	--		1
Propane	ND	0.500	--	ND	0.902	--		1
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.200	--	ND	1.40	--		1
Methanol	ND	5.00	--	ND	6.55	--		1
Vinyl chloride	ND	0.200	--	ND	0.511	--		1
1,3-Butadiene	ND	0.200	--	ND	0.442	--		1
Butane	ND	0.200	--	ND	0.475	--		1
Bromomethane	ND	0.200	--	ND	0.777	--		1
Chloroethane	ND	0.200	--	ND	0.528	--		1
Ethyl Alcohol	ND	2.50	--	ND	4.71	--		1
Dichlorofluoromethane	ND	0.200	--	ND	0.842	--		1
Vinyl bromide	ND	0.200	--	ND	0.874	--		1
Acrolein	ND	0.500	--	ND	1.15	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Acetonitrile	ND	0.200	--	ND	0.336	--		1
Trichlorofluoromethane	ND	0.200	--	ND	1.12	--		1
iso-Propyl Alcohol	ND	0.500	--	ND	1.23	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
Pentane	ND	0.200	--	ND	0.590	--		1
Ethyl ether	ND	0.200	--	ND	0.606	--		1
1,1-Dichloroethene	ND	0.200	--	ND	0.793	--		1
tert-Butyl Alcohol	ND	0.500	--	ND	1.52	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520957
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520957-01
 Client ID: CAN 1672 SHELF 51
 Sample Location:

Date Collected: 08/27/15 18:00
 Date Received: 08/28/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Methylene chloride	ND	0.500	--	ND	1.74	--		1
3-Chloropropene	ND	0.200	--	ND	0.626	--		1
Carbon disulfide	ND	0.200	--	ND	0.623	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.200	--	ND	1.53	--		1
trans-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
1,1-Dichloroethane	ND	0.200	--	ND	0.809	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
Vinyl acetate	ND	1.00	--	ND	3.52	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.200	--	ND	0.793	--		1
Ethyl Acetate	ND	0.500	--	ND	1.80	--		1
Chloroform	ND	0.200	--	ND	0.977	--		1
Tetrahydrofuran	ND	0.500	--	ND	1.47	--		1
2,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
1,2-Dichloroethane	ND	0.200	--	ND	0.809	--		1
n-Hexane	ND	0.200	--	ND	0.705	--		1
Isopropyl Ether	ND	0.200	--	ND	0.836	--		1
Ethyl-Tert-Butyl-Ether	ND	0.200	--	ND	0.836	--		1
1,1,1-Trichloroethane	ND	0.200	--	ND	1.09	--		1
1,1-Dichloropropene	ND	0.200	--	ND	0.908	--		1
Benzene	ND	0.200	--	ND	0.639	--		1
Carbon tetrachloride	ND	0.200	--	ND	1.26	--		1
Cyclohexane	ND	0.200	--	ND	0.688	--		1
Tertiary-Amyl Methyl Ether	ND	0.200	--	ND	0.836	--		1
Dibromomethane	ND	0.200	--	ND	1.42	--		1
1,2-Dichloropropane	ND	0.200	--	ND	0.924	--		1
Bromodichloromethane	ND	0.200	--	ND	1.34	--		1
1,4-Dioxane	ND	0.200	--	ND	0.721	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520957
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520957-01
 Client ID: CAN 1672 SHELF 51
 Sample Location:

Date Collected: 08/27/15 18:00
 Date Received: 08/28/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
Trichloroethene	ND	0.200	--	ND	1.07	--		1
2,2,4-Trimethylpentane	ND	0.200	--	ND	0.934	--		1
Methyl Methacrylate	ND	0.500	--	ND	2.05	--		1
Heptane	ND	0.200	--	ND	0.820	--		1
cis-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.200	--	ND	0.908	--		1
1,1,2-Trichloroethane	ND	0.200	--	ND	1.09	--		1
Toluene	ND	0.200	--	ND	0.754	--		1
1,3-Dichloropropane	ND	0.200	--	ND	0.924	--		1
2-Hexanone	ND	0.200	--	ND	0.820	--		1
Dibromochloromethane	ND	0.200	--	ND	1.70	--		1
1,2-Dibromoethane	ND	0.200	--	ND	1.54	--		1
Butyl Acetate	ND	0.500	--	ND	2.38	--		1
Octane	ND	0.200	--	ND	0.934	--		1
Tetrachloroethene	ND	0.200	--	ND	1.36	--		1
1,1,1,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
Chlorobenzene	ND	0.200	--	ND	0.921	--		1
Ethylbenzene	ND	0.200	--	ND	0.869	--		1
p/m-Xylene	ND	0.400	--	ND	1.74	--		1
Bromoform	ND	0.200	--	ND	2.07	--		1
Styrene	ND	0.200	--	ND	0.852	--		1
1,1,2,2-Tetrachloroethane	ND	0.200	--	ND	1.37	--		1
o-Xylene	ND	0.200	--	ND	0.869	--		1
1,2,3-Trichloropropane	ND	0.200	--	ND	1.21	--		1
Nonane (C9)	ND	0.200	--	ND	1.05	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
Bromobenzene	ND	0.200	--	ND	0.793	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520957
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520957-01
 Client ID: CAN 1672 SHELF 51
 Sample Location:

Date Collected: 08/27/15 18:00
 Date Received: 08/28/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								
o-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
n-Propylbenzene	ND	0.200	--	ND	0.983	--		1
p-Chlorotoluene	ND	0.200	--	ND	1.04	--		1
4-Ethyltoluene	ND	0.200	--	ND	0.983	--		1
1,3,5-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
tert-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trimethylbenzene	ND	0.200	--	ND	0.983	--		1
Decane (C10)	ND	0.200	--	ND	1.16	--		1
Benzyl chloride	ND	0.200	--	ND	1.04	--		1
1,3-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
1,4-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.200	--	ND	1.20	--		1
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2-Dibromo-3-chloropropane	ND	0.200	--	ND	1.93	--		1
Undecane	ND	0.200	--	ND	1.28	--		1
Dodecane (C12)	ND	0.200	--	ND	1.39	--		1
1,2,4-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Naphthalene	ND	0.200	--	ND	1.05	--		1
1,2,3-Trichlorobenzene	ND	0.200	--	ND	1.48	--		1
Hexachlorobutadiene	ND	0.200	--	ND	2.13	--		1

Results	Qualifier	Units	RDL	Dilution Factor
Tentatively Identified Compounds				

No Tentatively Identified Compounds



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520957
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520957-01 Date Collected: 08/27/15 18:00
 Client ID: CAN 1672 SHELF 51 Date Received: 08/28/15
 Sample Location: Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air - Mansfield Lab								

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-Difluorobenzene	101		60-140
Bromochloromethane	99		60-140
chlorobenzene-d5	100		60-140

Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520957
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520957-01
 Client ID: CAN 1672 SHELF 51
 Sample Location:
 Matrix: Air
 Analytical Method: 48,TO-15-SIM
 Analytical Date: 08/28/15 18:17
 Analyst: MB

Date Collected: 08/27/15 18:00
 Date Received: 08/28/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Dichlorodifluoromethane	ND	0.200	--	ND	0.989	--		1
Chloromethane	ND	0.200	--	ND	0.413	--		1
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.050	--	ND	0.349	--		1
Vinyl chloride	ND	0.020	--	ND	0.051	--		1
1,3-Butadiene	ND	0.020	--	ND	0.044	--		1
Bromomethane	ND	0.020	--	ND	0.078	--		1
Chloroethane	ND	0.020	--	ND	0.053	--		1
Acetone	ND	1.00	--	ND	2.38	--		1
Trichlorofluoromethane	ND	0.050	--	ND	0.281	--		1
Acrylonitrile	ND	0.500	--	ND	1.09	--		1
1,1-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Methylene chloride	ND	0.500	--	ND	1.74	--		1
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.050	--	ND	0.383	--		1
Halothane	ND	0.050	--	ND	0.404	--		1
trans-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
1,1-Dichloroethane	ND	0.020	--	ND	0.081	--		1
Methyl tert butyl ether	ND	0.200	--	ND	0.721	--		1
2-Butanone	ND	0.500	--	ND	1.47	--		1
cis-1,2-Dichloroethene	ND	0.020	--	ND	0.079	--		1
Chloroform	ND	0.020	--	ND	0.098	--		1
1,2-Dichloroethane	ND	0.020	--	ND	0.081	--		1
1,1,1-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Benzene	ND	0.100	--	ND	0.319	--		1
Carbon tetrachloride	ND	0.020	--	ND	0.126	--		1
1,2-Dichloropropane	ND	0.020	--	ND	0.092	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520957
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520957-01 Date Collected: 08/27/15 18:00
 Client ID: CAN 1672 SHELF 51 Date Received: 08/28/15
 Sample Location: Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
Bromodichloromethane	ND	0.020	--	ND	0.134	--		1
1,4-Dioxane	ND	0.100	--	ND	0.360	--		1
Trichloroethene	ND	0.020	--	ND	0.107	--		1
cis-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
4-Methyl-2-pentanone	ND	0.500	--	ND	2.05	--		1
trans-1,3-Dichloropropene	ND	0.020	--	ND	0.091	--		1
1,1,2-Trichloroethane	ND	0.020	--	ND	0.109	--		1
Toluene	ND	0.050	--	ND	0.188	--		1
Dibromochloromethane	ND	0.020	--	ND	0.170	--		1
1,2-Dibromoethane	ND	0.020	--	ND	0.154	--		1
Tetrachloroethene	ND	0.020	--	ND	0.136	--		1
1,1,1,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
Chlorobenzene	ND	0.020	--	ND	0.092	--		1
Ethylbenzene	ND	0.020	--	ND	0.087	--		1
p/m-Xylene	ND	0.040	--	ND	0.174	--		1
Bromoform	ND	0.020	--	ND	0.207	--		1
Styrene	ND	0.020	--	ND	0.085	--		1
1,1,2,2-Tetrachloroethane	ND	0.020	--	ND	0.137	--		1
o-Xylene	ND	0.020	--	ND	0.087	--		1
Isopropylbenzene	ND	0.200	--	ND	0.983	--		1
4-Ethyltoluene	ND	0.020	--	ND	0.098	--		1
1,3,5-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,2,4-Trimethylbenzene	ND	0.020	--	ND	0.098	--		1
1,3-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
1,4-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1
sec-Butylbenzene	ND	0.200	--	ND	1.10	--		1
p-Isopropyltoluene	ND	0.200	--	ND	1.10	--		1
1,2-Dichlorobenzene	ND	0.020	--	ND	0.120	--		1



Project Name:
Project Number: CANISTER QC BAT

Lab Number: L1520957
Report Date: 09/21/15

Air Canister Certification Results

Lab ID: L1520957-01
 Client ID: CAN 1672 SHELF 51
 Sample Location:

Date Collected: 08/27/15 18:00
 Date Received: 08/28/15
 Field Prep: Not Specified

Parameter	ppbV			ug/m3			Qualifier	Dilution Factor
	Results	RL	MDL	Results	RL	MDL		
Volatile Organics in Air by SIM - Mansfield Lab								
n-Butylbenzene	ND	0.200	--	ND	1.10	--		1
1,2,4-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Naphthalene	ND	0.050	--	ND	0.262	--		1
1,2,3-Trichlorobenzene	ND	0.050	--	ND	0.371	--		1
Hexachlorobutadiene	ND	0.050	--	ND	0.533	--		1

Internal Standard	% Recovery	Qualifier	Acceptance Criteria
1,4-difluorobenzene	101		60-140
bromochloromethane	101		60-140
chlorobenzene-d5	99		60-140



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal**Cooler**

N/A Present/Intact

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1522600-01A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1522600-02A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1522600-03A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1522600-04A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)
L1522600-05A	Canister - 6 Liter	N/A	N/A	N/A	Y	Absent	TO15-LL(30)

*Values in parentheses indicate holding time in days

Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

Report Format: Data Usability Report



Project Name: 1815 WEST FARMS ROAD**Lab Number:** L1522600**Project Number:** Not Specified**Report Date:** 09/21/15**Data Qualifiers**

- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e., co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- ND** - Not detected at the reporting limit (RL) for the sample.

Project Name: 1815 WEST FARMS ROAD
Project Number: Not Specified

Lab Number: L1522600
Report Date: 09/21/15

REFERENCES

- 48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

Last revised December 16, 2014

The following analytes are not included in our NELAP Scope of Accreditation:

Westborough Facility

EPA 524.2: Acetone, 2-Butanone (Methyl ethyl ketone (MEK)), Tert-butyl alcohol, 2-Hexanone, Tetrahydrofuran, 1,3,5-Trichlorobenzene, 4-Methyl-2-pentanone (MIBK), Carbon disulfide, Diethyl ether.

EPA 8260C: 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene, Iodomethane (methyl iodide), Methyl methacrylate, Azobenzene.

EPA 8270D: 1-Methylnaphthalene, Dimethylnaphthalene, 1,4-Diphenylhydrazine.

EPA 625: 4-Chloroaniline, 4-Methylphenol.

SM4500: Soil: Total Phosphorus, TKN, NO₂, NO₃.

EPA 9071: Total Petroleum Hydrocarbons, Oil & Grease.

Mansfield Facility

EPA 8270D: Biphenyl.

EPA 2540D: TSS

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

The following analytes are included in our Massachusetts DEP Scope of Accreditation, Westborough Facility:

Drinking Water

EPA 200.8: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl; **EPA 200.7:** Ba,Be,Ca,Cd,Cr,Cu,Na; **EPA 245.1:** Mercury;

EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B**

EPA 332: Perchlorate.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, Enterolert-QT.**

Non-Potable Water

EPA 200.8: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn;

EPA 200.7: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl,V,Zn;

EPA 245.1, SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2340B, SM2320B, SM4500CL-E, SM4500F-BC, SM426C, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, SM4500P-B, E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.**

EPA 624: Volatile Halocarbons & Aromatics,

EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9222D-MF.**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

AIR ANALYSIS

PAGE 1 OF 1



CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
 TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: **CA RICH**
 Address: **17 Dupont Street**
Plainview, NY 11803
 Phone: **516-576-8844**
 Fax: **516-576-0093**
 Email: **w.fitchett@caridinc.com**

Project Information

Project Name: **1815 West Farms Road**
 Project Location: **1815 West Farms Road,**
Bronx, NY
 Project #: _____
 Project Manager: **William Fitchett**
 ALPHA Quote #: _____

Turn-Around Time

Standard RUSH (only confirmed if pre-approved!)

Date Due: _____ Time: _____

Date Rec'd in Lab: **9/15/15**

Report Information - Data Deliverables

FAX
 ADEX
 Criteria Checker: _____
 (Default based on Regulatory Criteria Indicated)
 Other Formats: _____
 EMAIL (standard pdf report)
 Additional Deliverables: _____
 Report to: (if different than Project Manager) _____

ALPHA Job #: **L1522600**

Billing Information

Same as Client info PO #: _____

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection					Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	ANALYSIS						Sample Comments (i.e. PID)	
		Date	Start Time	End Time	Initial Vacuum	Final Vacuum						TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A		TO-4 / TO-10
22600.01	SV-1	9/11/15	900	1051	-29.70	-7.90	SV	WF	6L	1647	0490	X							
02	SV-2	9/11/15	902	1050	-29.80	-8.10	SV	WF	6L	1911	0094	X							
03	SV-3	9/11/15	831	1127	-29.82	-12.42	SV	WF	6L	1785	0471	X							
04	SV-4	9/11/15	833	1041	-30.35	-5.68	SV	WF	6L	2111	0314	X							
05	SV-5	9/11/15	835	945	-30.19	-3.26	SV	WF	6L	2066	0061	X							

***SAMPLE MATRIX CODES**

AA = Ambient Air (Indoor/Outdoor)
 SV = Soil Vapor/Landfill Gas/SVE
 Other = Please Specify

Container Type

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Relinquished By:	Date/Time	Received By:	Date/Time
<i>[Signature]</i>	9/14/15 1055	<i>[Signature]</i>	9-14-15 1055
<i>[Signature]</i>	9-14-15 1830	<i>[Signature]</i>	9-14-15 1830
<i>[Signature]</i>	9-15-15 0100	<i>[Signature]</i>	9/15/15 0100