

**538 UNION AVENUE**

**BROOKLYN, NEW YORK**

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# **Remedial Investigation Report**

**NYC VCP Site Number: 13CVCP081K**

**Prepared for:**

Withers Owner, LLC  
250 Greenpoint Avenue  
Brooklyn, NY 11222

**Prepared by:**

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# REMEDIAL INVESTIGATION REPORT

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## LIST OF ACRONYMS

<b>Acronym</b>	<b>Definition</b>
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, Deborah Shapiro, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for 538 Union Avenue, in Brooklyn New York (NYC VCP Site No. 13CVCP081K). 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.

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Deborah Shapiro, Qualified Environmental Professional  
QEP#04120008

Date

Signature

# 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 538 Union Avenue in the Williamsburg section of Brooklyn, New York and is identified as Block: 2741 and Lots 7 and 8 on the New York City Tax Map. Figure 1 shows the Site location. The Site is comprised of 5,000-square feet and is bounded by Withers Street to the north, a parking lot to the south, a two-story building to the east, and Union Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and undeveloped and contains foundation elements associated with the early stages of site redevelopment by a previous developer.

## **Summary of Proposed Redevelopment Plan**

The proposed future use of the Site will consist of a six-story residential building covering 13,380 square feet. Approximately 1,875 square feet of exterior parking for the apartment building will be provided fronting Withers Avenue. The residential building will consist of 14 condominium residences with one unit on the first floor. The building will be slab-on-grade construction, with a concrete/asphalt parking area in the rear portion of the building. The proposed building covers approximately 65% of the lot.

## **Summary of Past Uses of Site and Areas of Concern**

Review of Sanborn Map coverage of the Property indicated that a portion of the Property was initially developed during or prior to 1887 as two stores. Previous occupants of the Property included a dwelling, a junk yard, store, auto repair shop, parking, and manufacturing.

A search of the New York City Department of Finance (NYCDOF) ACRIS database was also conducted for the subject Property. Copies of records are included in the Phase I Environmental

Site Assessment (ESA) that was conducted in July 2007. The following is a summary of the ownership history of each lot.

Block 2741; Lot: 7 Title was transferred from Benny Loparo to Walter Langer on June 26, 1973; from the commissioner of finance to New York City on August 18, 1982; from New York City to Joseph Matarese on March 27, 1985; and from Barclays Bank of New York to Lake Newell Ltd on August 12, 1998

Block 2741; Lot: 8 Title was transferred from Havemeyer Properties, Inc. to Biach Russ Co on July 12, 1966; and, from Beach-Russ Company to 544 Union Owner LLC on December 26, 2006.

Based on the results of the Phase I and Remedial Investigation (RI), the AOCs identified for this Site includes:

1. Urban Fill

In all areas of the Site that were tested, the soil displayed characteristics of historic fill. Elevated levels of several Semi-Volatile Organic Compounds (SVOCs) commonly referred to as Poly Aromatic Hydrocarbons (PAHs), pesticides and metals were detected above Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) throughout the Site at shallow depths. In addition, the PCB Aroclors 1260 and 1268 were detected above Part 375 Unrestricted Use SCOs in the shallow soils (0-2 feet below surface grade) in one soil boring location.

2. Soil Vapor

Volatile Organic Compounds (VOCs) were detected in the soil vapor throughout the Site. The detections of chlorinated solvents are believed to be related to the presence of chlorinated solvents in the groundwater emanating from an upgradient source.

**Summary of the Work Performed under the Remedial Investigation**

The RI consisted of the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installation of four (4) soil borings across the entire project Site, and collection of eight (8) soil samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installation of three (3) temporary groundwater monitoring wells throughout the Site, and collection of three (3) groundwater samples for chemical analysis to evaluate groundwater quality;
4. Installation of three (3) soil vapor probes across the Site and collection of three (3) samples for chemical analysis to evaluate soil vapor quality; and
5. All soil and groundwater samples were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, Pesticides via EPA Method 8081, PCBs via EPA Method 8082, and TAL Metals. The soil vapor samples were analyzed for VOCs using USEPA Method TO-15.

### **Summary of Environmental Findings**

1. Elevation of the property is approximately 18 feet.
2. Depth to groundwater ranges from 4 to 6 feet below surface grade at the Site.
3. Groundwater flow is generally westerly beneath the Site.
4. Depth to bedrock is undetermined at the site.
5. The stratigraphy of the Site, from the surface down, consists of urban fill followed by unconsolidated Cretaceous age deposits composed of interbedded layers of silt, sand, and gravel.

6. Three VOCs were detected in shallow and deep soil samples and were all below the Track 1 SCOs. Methylene chloride was detected in all samples from 8 to 15 ppb. PCE was detected at 1.4 ppb. SVOCs exceeded Track 2 Restricted-Residential SCOs across the entire site. These SVOCs included benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene. One soil sample detected Arocolor 1260 & Arocolor 1262 at 150 exceeding Track 1 SCO but below the Track 2 Restricted-Residential SCO. All other soil samples detected trace levels of PCBs. Pesticides including DDD, DDE, DDT, chlorodane and dieldrin were detected above the Track 1 SCOs but below the Track 2 Restricted-Residential SCOs. Metals including arsenic, barium, cadmium, chromium, copper, lead, mercury and zinc exceeded the Track 1 SCOs and of these arsenic, barium, lead, and mercury also exceeded the Track 2 Restricted-Residential SCOs.
  
7. Groundwater samples collected during the RI showed a slight exceedence of NYSDEC TOGS 1.1.1 Groundwater Quality Standards (GQS) for VOCs (1,1,1-Trichloroethane) at one of three location. SVOCs including (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene) were detected above GQS. Pesticides including 4,4'-DDT, DDE and DDD were detected in groundwater but only DDT at 0.39 ppb exceeded GQS in one location. The RI indicated concentrations of dissolved metals (magnesium, manganese, and sodium) slightly exceeded the GQS. PCBs were not detected in any of the groundwater samples collected at the site.
  
8. Three (3) soil vapor samples collected during the RI contained low level VOCs. The RI showed detections of several chlorinated and petroleum related compounds in all samples. Tetrachloroethylene (PCE) and Trichloroethylene (TCE) were detected to a maximum concentration of and 31 ug/m<sup>3</sup> and 72.6 ug/m<sup>3</sup> respectively. The petroleum related soil vapor detections are attributed to on-site urban fill. The detections of chlorinated solvents are believed to be related to the presence of chlorinated solvents in the groundwater emanating from an upgradient source.

# REMEDIAL INVESTIGATION REPORT

## 1.0 SITE BACKGROUND

Withers Owner LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 5,000 square-foot property (Site) located at 538 Union Avenue in Brooklyn, New York. Residential use is proposed for the property. The RI work was conducted in April 2012. 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 538 Union Avenue in the Williamsburg section of Brooklyn, New York and is identified as Block: 2741 and Lots 7 and 8 on the New York City Tax Map. Figure 1 shows the Site location. The Site is comprised of 5,000-square feet and is bounded by Withers Street to the north, a parking lot to the south, a two-story building to the east, and Union Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is vacant and undeveloped and contains foundation elements associated with the early stages of site redevelopment by a previous developer.

### 1.2 Proposed Redevelopment Plan

The proposed future use of the Site will consist of a six-story residential building covering 13,380 square feet. Approximately 1,875 square feet of exterior parking for the apartment building will be provided fronting Withers Avenue. The residential building will consist of 14 condominium residences with one unit on the first floor. The building will be slab-on-grade construction, with a concrete/asphalt parking area in the rear portion of the building. The proposed building covers approximately 65% of the lot.

### **1.3 Description of Surrounding Property**

The Site is located in a developed area consisting of mixed-use residential and commercial buildings. Withers Street is located to the north of the Site. A parking lot is located to the south of the Site. A two-story building is located to the east. Union Avenue is located to the west.

National Wetlands and the East River are mapped within a one-mile radius of the subject Property. There are no on-site or adjacent bodies of water, wetlands or other environmentally sensitive areas with the exception of the underlying soils and groundwater. The 100 and 500-year Floodplains are mapped within a 1-mile radius of the Property. The shallow groundwater directly underlying the Property is not utilized as a water resource. Figure 2 shows the surrounding land usage.

## **2.0 SITE HISTORY**

### **2.1 Past Uses and Ownership**

Review of Sanborn Map coverage of the Property indicated that a portion of the Property was initially developed during or prior to 1887 as two stores. Previous occupants of the Property included a dwelling, a junk yard, store, auto repair shop, parking, and manufacturing.

A search of the New York City Department of Finance (NYCDOF) ACRIS database was also conducted for the subject Property. Copies of records are included in the Phase I Environmental Site Assessment (ESA) that was conducted in July 2007. The following is a summary of the ownership history of each lot.

Block: 2741; Lot: 7 Title was transferred from Benny Loparo to Walter Langer on June 26, 1973; from the commissioner of finance to New York City on August 18, 1982; from New York City to Joseph Matarese on March 27, 1985; and, from Barclays Bank of New York to Lake Newell Ltd on August 12, 1998.

Block 2741; Lot: 8 Title was transferred from Havemeyer Properties, Inc. to Biach Russ Co on July 12, 1966; and, from Beach-Russ Company to 544 Union Owner LLC on December 26, 2006.

### **2.2 Previous Investigations**

In August 2007, CA RICH Consultants, Inc. (CA RICH) conducted a Phase I ESA of the subject Property. The Phase I Report identified the following “Recognized Environmental Conditions (RECs)” and additional issues associated with the property: 1) numerous oil stains were observed on the concrete floor and concrete block wall near the entrance of the building; 2) historical industrial usage since development of the Property has included a junk yard, automobile repair shop, and a manufacturing facility; and 3) the subject property is ‘E’

designated HAZMAT. Based on these findings, a Phase II investigation was recommended to determine if the surface and subsurface soils have been impacted by the former site usage.

On February 19, 2008, CA RICH submitted a Phase II Investigation Work Plan and associated Health and Safety Plan (HASP) (Ref. 1) to NYCDEP for its review and approval. On March 7, 2008, NYCDEP issued their approval letter of the Phase II Investigation Work Plan and associated HASP.

In April 2008, the Phase II Investigation was conducted by CA RICH. The Phase II Investigation consisted of the collection of subsurface soil samples from six separate soil borings that were advanced from the surface down to shallow groundwater throughout the Site, approximately six feet below grade, and the collection of three groundwater samples from three of the borings. The Phase II investigation was conducted in accordance with the NYCDEP-approved Work Plan and Health and Safety Plan. The Phase II concluded that several semi-Volatile Organic Compounds (SVOCs), pesticides, and metals constituents were detected in the soil above NYSDEC TAGM values at typical concentration ranges characteristic of “urban” fill. In addition, numerous SVOCs were detected a few orders of magnitude above guidance values in the northwestern soil sample; however, these elevated detections appeared to be related to the presence of ash in the soil were not indicative of either a petroleum spill or a release. The Phase II investigation also revealed that the chlorinated solvents 1,1,1-Trichloroethane, 1,1-Dichloroethane, and 1,1-Dichloroethene and the metals Aluminum and Iron are dissolved in the upgradient uppermost groundwater at concentrations slightly above NYSDEC TOGS. The VOCs detected appeared to be attributable to an upgradient off-site source based on regional groundwater flow and not the subject Property. The Phase II Report (Ref. 2) was submitted to NYCDEP in April 2008.

Based upon the results of the Phase II investigation, a site-specific Remedial Action Plan (RAP) and Construction Health & Safety Plan (CHASP) (Ref. 3) was submitted to the NYCDEP in April 2008. The RAP and CHASP addressed the excavation of soils at the northwestern most portion of the Site as well as the limited excavation and off-site disposal of on-site unconsolidated soil/fill earth materials for pile foundation purposes. In May 2008, the Notice to

Proceed was issued and construction activities began immediately after receipt of the excavation permit. In June 2008, 290.87 tons of soil was excavated and properly disposed of at the Stag's Leap Facility in Mulliac, New Jersey. In August 2008, due to a shift in the real estate market all developmental work ceased.

### **2.3 Site Inspection**

On March 28, 2012, Deborah Shapiro, QEP, of CA RICH conducted a Site inspection of the Property as the Site had been sitting vacant since the 2008 redevelopment activities halted. The inspection revealed that the Site consists of a vacant lot and timber piles installed during 2008 redevelopment activities were present. In addition, it appeared that regrading activities for safety purposes were conducted after the June 2008 activities and various domestic debris from trespassers and/or pedestrians was present.

### **2.4 Areas of Concern (AOCs)**

Based on the results of the Phase I and Remedial Investigation (RI), the AOCs identified for this for this Site include:

#### **1. Urban Fill**

In all areas of the Site that were tested, the soil displayed characteristics of historic fill. Elevated levels of several SSVOCs commonly referred to as Poly Aromatic Hydrocarbons (PAHs), pesticides and metals were detected above Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs) throughout the Site at shallow depths. In addition, the PCB Aroclors 1260 and 1268 were detected above Part 375 Unrestricted Use SCOs in the shallow soils (0-2 feet below surface grade) in one soil boring location.

## **2. Soil Vapor**

Volatile Organic Compounds (VOCs) were detected in the soil vapor throughout the Site. The detections of chlorinated solvents are believed to be related to the presence of chlorinated solvents in the groundwater emanating from an upgradient source.

Phase 1 ESA is presented in Appendix A. A map showing the area of concern is presented in Figure 6.

## **3.0 PROJECT MANAGEMENT**

### **3.1 Project Organization**

The QEP responsible for preparation of this RIR is Deborah Shapiro. The scientist that performed the field work for this RI was Jessica Proscia. Deborah Shapiro also served as the Project Manager.

### **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

In April 2008, a Phase II Investigation was conducted by CA RICH under the auspices of NYCDEP. The Phase II Investigation consisted of the drilling of six soil borings and the collection of continuous soil samples that were advanced from the surface down to shallow groundwater throughout the Site, approximately six feet below grade, and the collection of three groundwater samples from three of the borings. The results of this investigation are provided in Section 2.2 of this report.

CA RICH conducted a Supplemental RI in April 2012. The scope of work for the Supplemental RI was based on discussions with OER. The supplemental RI consisted of the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.).
2. Installed four soil borings across the entire project Site, and collected eight soil samples for chemical analysis from the soil borings to evaluate soil quality. The borings were advanced from surface grade down to groundwater, which varies in depth from four to six feet across the Site. A shallow soil sample was collected from zero to two feet and from at or below the historic fill.
3. Installed three temporary groundwater monitoring wells throughout the Site and collected three groundwater samples for chemical analysis to evaluate groundwater quality.
4. All soil and groundwater samples were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, Pesticides via EPA Method 8081, PCBs via EPA Method 8082, and TAL Metals.

5. Sampled three soil vapor points throughout the Site. The vapor points were sampled in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York dated October 2006 (Ref. 4). The soil vapor samples were analyzed for VOCs using USEPA Method TO-15.

## **4.2 Borings and Monitoring Wells**

### **Drilling and Soil Logging**

On April 25, 2012, four soil borings (B-7, B-8, B-9, and B-10) were advanced using a Geoprobe™ direct-push system. The soil borings were advanced from the surface down to groundwater, which varies across the Site from four to six feet below grade. Jessica Proscia of CA RICH was present on-site to oversee all of the soil boring activities. In addition, the soils from the borings were logged and characterized; and the samples produced from the borings were screened continuously with a PID.

Overall, the subsurface soil materials generally consisted of urban fill and silty sand. Two soil samples were collected from each location. A shallow soil sample was collected from zero to two feet below surface grade in all borings. Soils were screened during drilling, including use of a PID, to enable biased collection in potentially contaminated zones. No PID readings were noted in any of the soil borings and thus no biased samples were collected. Consequently, the deepest sample at or below historic fill was also collected in all borings. All soil samples were placed in an ice-filled cooler and submitted to American Analytical Laboratories (a State-certified laboratory) of Farmingdale, NY for analysis. The constituents specified for analysis were VOCs via EPA Method 8260, SVOCs via EPA Method 8270, Pesticides via Method 8081, PCBs via EPA Method 8082, and the TAL list of Metals.

The soil laboratory analytical results were then compared to their applicable NYSDEC Part 375 Unrestricted Use and Restricted Residential Use SCOs (Ref. 5), and are summarized on Tables 1 through 5. Boring logs were prepared by Jessica Proscia and are attached in Appendix B. A map showing the location of soil borings and temporary monitor wells is shown in Figure 2.

## **Groundwater Monitoring Well Construction**

On April 25, 2012, three temporary well points, GW-4, GW-5, and GW-6, were installed using the Geoprobe™ direct-push system of drilling to 14 to 16 feet below grade as groundwater was encountered from four to six feet below grade throughout the Site. The temporary wells were installed in the locations of soil borings B-7, B-8, and B-9. Each temporary well was constructed of one-inch diameter schedule 40 PVC casing and one-inch diameter 0.020-inch slotted (20 slot) pipe screen flush-threaded onto the PVC casing. Monitoring well locations are shown in Figure 2.

## **Water Level Measurement**

Water level data was collected on April 25, 2012 using a Sonic groundwater interface probe. Depth to water measurements were obtained from the top of the temporary well casings. Groundwater was measured at 8.88 feet at GW-4; 7.12 feet at GW-5; and, 4.00 feet at GW-6.

### **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 shallow soil sample was collected from zero to two feet below surface grade in all four borings. Additionally, the deepest sample at or below historic fill was collected in all borings. In addition, a trip blank and field blank were collected for quality assurance/quality control purposes. Each sample was placed in sterilized laboratory-supplied containers. The sampled earth materials were settled and capped to ensure that little or no headspace was present within the sample. The samples were stored on ice in an air-tight cooler to preserve the samples at approximately 4+/-2 degrees Celsius prior to and during shipment. All samples were uniquely identified, and all information associated with the samples were recorded utilizing standard chain-of-custody sampling protocols. The samples were submitted to American Analytical Laboratories (a State-certified laboratory) of Farmingdale, NY for analysis. The constituents specified for analysis were VOCs via EPA Method 8260, SVOCs via EPA Method 8270, Pesticides via Method 8081, PCBs via EPA Method 8082, and the TAL list of Metals using EPA Method 6000/7000 series.

All on-site sampling equipment was decontaminated before in each use in the following manner; laboratory grade detergent and fresh water wash using a scrub brush, followed by two fresh water rinses and a final air dry. Gloves worn for sample handling were discarded between sample collections. A CA RICH scientist oversaw all soil boring activities; logged (characterized) the shallow fill lithology, and screened the earth materials (fill) samples with a PID. Soil/fill samples obtained below the water table were not screened with a PID due to moisture interferences.

Eight soil samples were collected for chemical analysis during this RI. Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 5. Figures 2 and 3 show the location of samples collected in this investigation. Laboratories and analytical methods are shown below.

## **Groundwater Sampling**

Three groundwater samples were collected for chemical analysis during this RI. Prior to sampling, at least three times the volume of water was removed from each temporary well point using new polyethylene tubing and a submersible pump. The submersible pump was decontaminated between sample collections by passing a laboratory grade detergent through the pump, followed by a fresh water scrub and a fresh water rinse. Gloves worn for sample handling were discarded between each sampling point. After purging was complete, a sample of the groundwater was then collected directly from the pump discharge into laboratory-issued containers by CA RICH personnel. All groundwater samples were placed in a cooler on ice and hand delivered to the laboratory the following day. The samples were submitted to American Analytical Laboratory of Farmingdale, NY (an ELAP certified laboratory) and were analyzed for VOCs via EPA Method 8260, SVOCs via EPA Method 8270, Pesticides via Method 8081, PCBs via EPA Method 8082, and dissolved total metals using EPA Method 6000/7000 series.

Groundwater sample collection data is reported in Tables 6 through 10. Figure 2 shows the location of groundwater samples. Laboratories and analytical methods are shown on the following page.

## **Soil Vapor Sampling**

Three temporary soil vapor points were installed by URS Corp. Three soil vapor samples were collected for chemical analysis by CA RICH during this RI in accordance with the NYSDOH “Guidance for Evaluating Soil Vapor Intrusion in the State of New York” dated October 2006 (Ref. 4). The soil vapor points were installed by drilling a 2 ¼-inch hole to five feet below grade using a Geoprobe™ drilling system. Once the bottom depth was reached, a vapor point comprised of a two-inch long stainless steel screen connected to ¼-inch stainless steel tubing was advanced into the hole. The tubing was then connected with a sample fitting to allow for the collection of soil gas. The annular space around the stainless steel screen was packed with coarse sand to six-inches below grade, creating a sampling zone. A bentonite seal was then placed above the sampling zone.

Prior to sampling, three volumes of soil vapor were purged from the soil vapor point using an air sampling pump set to a rate of approximately 0.2 liters per minute. A bucket was then placed over the sample assembly and helium gas was used to enrich the atmosphere around the sample location in combination with real-time air monitoring (for helium) to verify that ambient air was not infiltrating the sampling assembly during purging and sampling.

Once it was confirmed that ambient air was not being drawn into the assembly, the soil vapor was screened for the presence of VOCs using a PID. There were no PID detections during screening. After field screening was completed, the stainless steel tubing was connected to the SUMMA canister and a soil vapor sample was collected. The SUMMA canister regulator was set to restrict the sample collection to not exceed 0.2 liters per minute over a two-hour time period. Upon completion of sample collection, the canister was disconnected and sent to Accutest Laboratories of Dayton, NJ for analysis of VOCs via EPA method TO-15. Soil vapor sampling locations are shown in Figure 2. Soil vapor sample collection data are reported in Table 11 and figures. 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 Stephen Malinowski, QEP.
Chemical Analytical Laboratory	The Chemical analytical laboratory used for soil and groundwater samples in the RI is NYS ELAP certified was American Analytical Laboratories. The chemical analytical laboratory used for soil vapor samples in the RI is NYS ELAP certified was Accutest Laboratories of Dayton, New Jersey.

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

Laboratory data for soil, groundwater and soil vapor are summarized in Tables 1 through 11. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendix C.

## **5.0 ENVIRONMENTAL EVALUATION**

### **5.1 Geological and Hydrogeological Conditions**

#### **Stratigraphy**

According to the United States Geological Survey (USGS Open File Report 81-1186; Reconnaissance of the Ground-Water Resources of Kings and Queens Counties, New York; 1981), the Site is underlain by urban fill, which is underlain by a series of unconsolidated deposits of clay, sand, and gravel of late Cretaceous and Pleistocene age, which rest unconformably on crystalline bedrock of Precambrian to Ordovician geologic age. These unconsolidated earth materials contain corresponding hydrogeologic units consisting of three separate aquifers. These are identified, in descending order, as the Upper Glacial Aquifer, the Magothy Aquifer, and the Lloyd Aquifer, which are separated by two relatively impermeable clay confining units: the Gardiners Clay and the clay member of the Raritan formation (the Raritan Clay). Boring logs are attached as Appendix B.

#### **Hydrogeology**

Elevation of the property is approximately 18 feet above sea level. The Site is relatively flat and has no natural or artificial surface water bodies or impoundments. Water from rain events runs off into storm drains located in the street. Groundwater was encountered from four to six feet below grade. Regional groundwater flow is westerly.

### **5.2 Soil Chemistry**

The laboratory analytical results were compared to their applicable NYSDEC Part 375.6 Unrestricted Use (Track 1) and Restricted Use (Track 2) Soil Cleanup Objectives (SCOs) (Ref. 5), and are summarized on Tables 1 through 5. The results indicated the following:

SVOCs were detected in the soil/fill samples collected from the 0-2 foot interval below grade above the Track 2 Restricted-Residential SCOs across the entire Site. The SVOCs benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, indeno(1,2,3-cd)pyrene were detected in the deep soil samples collected at the Site (2-4 feet or 4-6 feet below surface grade) which were below the Track 1 SCOs, with the exception of the deep soil sample collected at B-10 (2-4 feet below grade), which exceeded the Track 2 Restricted-Residential SCOs. The samples collected from the interval at or below the historical fill (2-4 feet or 4-6 feet below surface grade) contained the metals (arsenic, barium, cadmium, chromium, copper, lead, mercury, and zinc) which exceeded the Track 1 SCOs. The metals arsenic, barium, lead, and mercury were above the Track 2 Restricted-Residential SCOs in some of the shallow and deep soil samples. VOCs were detected in the shallow and deep samples below the Track 1 SCOs. Trace PCBs were detected in all of the shallow and deep samples below the Track 1 SCOs, with the exception of the shallow soil sample collected from B-8, which had a concentration above the Track 1 SCO but below the Track 2 Restricted-Residential SCO. Pesticides were detected in the shallow and deep samples above the Track 1 SCOs but below the Track 2 Restricted-Residential SCOs.

Three VOCs were detected in the shallow and deep soil samples below the Track 1 SCOs. Methylene chloride was detected in all samples from 8 to 15 ppb. Naphthalene was detected at 2.8 ppb. PCE was detected at 1.4 ppb. SVOCs exceeded Track 2 Restricted-Residential SCOs across the entire Site. These SVOCs included benzo(a)anthracene (from 7,800 to 23,000 ppb), benzo(a)pyrene (from 6,200 to 17,000 ppb), benzo(b)fluoranthene from 8000 to 23,000 ppb), benzo(k)fluoranthene from 9,700 to 29,000 ppb), chrysene (from 5,800 to 25,000 ppb), dibenzo(a,h)anthracene (from 1,100 to 31,000 ppb) and indeno(1,2,3-cd)pyrene (ranged from 3,300 to 8,600 ppb).

One soil sample (B-8 0-2 feet) detected Arocolor 1260 & Arocolor 1262 at 150 and 140 ppb respectively, which exceeded the Track 1 SCO but was below the Track 2 Restricted-Residential SCO. All other soil samples detected trace levels of PCBs. Pesticides including DDD, DDE, DDT, chlorodane and dieldrin were detected above the Track 1 SCOs but below the Track 2 Restricted-Residential SCOs. Metals including arsenic, barium, cadmium, chromium, copper,

lead, mercury and zinc exceeded the Track 1 SCOs and of these arsenic (maximum of 71 ppm), barium (maximum of 503 ppm), lead (maximum of 1320 ppm), and mercury (maximum of 24.5 ppm) also exceeded the Track 2 Restricted-Residential SCOs.

The metals and SVOC findings are attributed to historic fill material disposed on the property and are not considered indicative of any disposal, release or spill.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. Figure 3 shows the location and posts the values for soil/fill that exceed the 6NYCRR Part 375-6.8 Unrestricted Use SCOs.

### **5.3 Groundwater Chemistry**

Groundwater samples collected during the RI showed a slight exceedence of NYSDEC TOGS 1.1.1 Groundwater Quality Standards (GQS) for VOCs (1,1,1-Trichloroethane at 3.7 ppb) at one of the three locations. SVOCs including (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd)pyrene) were detected above GQS. Pesticides including 4,4'-DDT, DDE and DDD were detected in groundwater but only DDT at 0.39 ppb in one location exceeded GQS. The RI indicated the concentrations of dissolved metals (magnesium, manganese, and sodium) slightly exceeded the GQS. PCBs were not detected in any of the groundwater samples collected at the Site.

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 6 through 10. The tables show exceedences of applicable groundwater standards. 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.

## 5.4 Soil Vapor Chemistry

Three (3) soil vapor samples collected during the RI contained low level VOCs. The RI showed detections of several chlorinated and petroleum related compounds in all samples. Acetone was detected from 1,120 ug/m<sup>3</sup> to 1,850 ug/m<sup>3</sup>. Other compounds included chloroform (up to 4.4 ug/m<sup>3</sup>), toluene (up to 15 ug/m<sup>3</sup>) and xylenes (up to 53 ug/m<sup>3</sup>). 1,1,1-trichloroethane (TCA) was detected in all three sampling locations, with maximum concentrations of 230 ug/m<sup>3</sup>. Tetrachloroethylene (PCE) and Trichloroethylene (TCE) were detected to a maximum concentration of and 31 ug/m<sup>3</sup> and 72.6 ug/m<sup>3</sup> respectively. The petroleum related soil vapor detections are attributed to on-site urban fill. The detections of chlorinated solvents are believed to be related to the presence of chlorinated solvents in the groundwater emanating from an upgradient source.

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 11. Figure 5 shows the location and illustrates 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. Therefore, a Remedial Action Work Plan should be prepared for this Site.

## References

1. CA RICH Consultants, Inc. Phase I ESA. August 2007.
2. CA RICH Consultants, Inc. February 19, 2008; Phase II Investigation Work Plan and Health & Safety Plan, 538 and 542 Union Avenue, Brooklyn, New York.
3. CA RICH Consultants, Inc. April 2008; Phase II Environmental Site Assessment, Brooklyn, New York.
4. New York State Department of Health. October 2006. "Guidance for Evaluating Soil Vapor Intrusion in the State of New York".
5. New York State Department of Environmental Conservation. Dec. 14, 2006. 6 NYCRR Part 375 Environmental Remediation Programs, Soil Cleanup Objectives & Cleanup Levels.

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# TABLES

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**Table 1**  
**Analytical Results of Volatile Organic Compounds In Soil Samples**

538 Union Avenue  
Brooklyn, New York

Sample ID Matrix Date Sampled	B-7 (0-2 feet) Soil 4/25/2012	B-7 (2-4 feet) Soil 4/25/2012	B-8 (0-2 feet) Soil 4/25/2012	B-8 (4-6 feet) Soil 4/25/2012	B-9 (0-2 feet) Soil 4/25/2012	B-9 (4-6 feet) Soil 4/25/2012	B-10 (0-2 feet) Soil 4/25/2012	B-10 (2-4 feet) Soil 4/25/2012	Field Blank Aqueous 4/25/2012	Trip Blank Aqueous 4/25/2012	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Restricted Residential SCOs
Units	ug/kg	ug/kg	ug/L	ug/L	ug/kg	ug/kg						
VOCs via EPA Method 8260												
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	680	100,000						
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND	0.65 J	ND	ND	ND	680	100,000
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	680	100,000						
1,1,2-Trichloroethane	ND	ND	ND	ND	680	100,000						
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ND	ND	ND	680	100,000						
1,1,2-Trichloroethane	ND	ND	ND	ND	680	100,000						
1,1-Dichloroethane	ND	ND	ND	ND	270	26,000						
1,1-Dichloroethene	ND	ND	ND	ND	330	100,000						
1,1-Dichloropropene	ND	ND	ND	ND	680	100,000						
1,2,3-Trichlorobenzene	ND	ND	ND	ND	680	100,000						
1,2,3-Trichloropropane	ND	ND	ND	ND	680	100,000						
1,2,4,5-Tetramethylbenzene	ND	ND	ND	ND	680	100,000						
1,2,4-Trichlorobenzene	ND	ND	ND	ND	680	100,000						
1,2,4-Trimethylbenzene	ND	ND	ND	ND	3,600	52,000						
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	680	100,000						
1,2-Dibromoethane	ND	ND	ND	ND	680	100,000						
1,2-Dichlorobenzene	ND	ND	ND	ND	1,100	100,000						
1,2-Dichloroethane	ND	ND	ND	ND	20	3,100						
1,2-Dichloropropane	ND	ND	ND	ND	680	100,000						
1,3,5-Trimethylbenzene	ND	ND	ND	ND	8,400	52,000						
1,3-Dichlorobenzene	ND	ND	ND	ND	2,400	49,000						
1,3-dichloropropane	ND	ND	ND	ND	680	100,000						
1,4-Dichlorobenzene	ND	ND	ND	ND	1,800	13,000						
1,4-Dioxane	ND	ND	ND	ND	100	13,000						
2,2-Dichloropropane	ND	ND	ND	ND	680	100,000						
2-Butanone	ND	ND	ND	ND	120	120						
2-Chloroethyl vinyl ether	ND	ND	ND	ND	680	100,000						
2-Chlorotoluene	ND	ND	ND	ND	680	100,000						
2-Hexanone	ND	ND	ND	ND	680	100,000						
2-Propanol	ND	ND	ND	ND	680	100,000						
4-Chlorotoluene	ND	ND	ND	ND	680	100,000						
4-Isopropyltoluene	ND	ND	ND	ND	680	100,000						
4-Methyl-2-pentanone	ND	ND	ND	ND	680	100,000						
Acetone	ND	ND	ND	ND	50	100,000						
Acrolein	ND	ND	ND	ND	680	100,000						
Acrylonitrile	ND	ND	ND	ND	680	100,000						
Benzene	ND	ND	ND	ND	60	4,800						
Bromobenzene	ND	ND	ND	ND	680	100,000						
Bromochloromethane	ND	ND	ND	ND	680	100,000						
Bromodichloromethane	ND	ND	ND	ND	680	100,000						
Bromoform	ND	ND	ND	ND	680	100,000						
Bromomethane	ND	ND	ND	ND	680	100,000						
Carbon disulfide	ND	ND	ND	ND	680	100,000						
Carbon tetrachloride	ND	ND	ND	ND	760	2,400						
Chlorobenzene	ND	ND	ND	ND	1,100	100,000						
Chlorodifluoromethane	ND	ND	ND	ND	680	100,000						
Chloroethane	ND	ND	ND	ND	680	100,000						
Chloroform	ND	ND	ND	ND	370	49,000						
Chloromethane	ND	ND	ND	ND	680	100,000						
cis-1,2-Dichloroethene	ND	ND	ND	ND	250	100,000						
cis-1,3-Dichloropropene	ND	ND	ND	ND	680	100,000						
Dibromochloromethane	ND	ND	ND	ND	680	100,000						
Dibromomethane	ND	ND	ND	ND	680	100,000						
Dichlorodifluoromethane	ND	ND	ND	ND	680	100,000						
Diisopropyl ether	ND	ND	ND	ND	680	100,000						
Ethanol	ND	ND	ND	ND	680	100,000						
Ethyl acetate	ND	ND	ND	ND	680	100,000						
Ethylbenzene	ND	ND	ND	ND	1,000	41,000						
Freon-114	ND	ND	ND	ND	680	100,000						
Hexachlorobutadiene	ND	ND	ND	ND	680	100,000						
Isopropyl acetate	ND	ND	ND	ND	680	100,000						
Isopropylbenzene	ND	ND	ND	ND	680	100,000						
m,p-Xylene	ND	ND	ND	ND	260	120						
Methyl Acetate	ND	ND	ND	ND	680	100,000						
Methyl tert-butyl ether	ND	ND	ND	ND	680	100,000						
Methylene chloride	9.6 B	8.6 B	15 B	7.5 B	10 B	7.5 B	8.6 B	14 B	4.9 B	3.5 B	50	100,000
n-Amyl acetate	ND	ND	ND	ND	680	100,000						
Naphthalene	ND	ND	2.8 J	ND	ND	ND	ND	ND	ND	ND	12,000	100,000
n-Butyl acetate	ND	ND	ND	ND	680	100,000						
n-Butylbenzene	ND	ND	ND	ND	12,000	100,000						
n-Propyl acetate	ND	ND	ND	ND	680	100,000						
n-Propylbenzene	ND	ND	ND	ND	3,900	100,000						
o-Xylene	ND	ND	ND	ND	260	120						
p-Diethylbenzene	ND	ND	ND	ND	680	100,000						
p-Ethyltoluene	ND	ND	ND	ND	680	100,000						
sec-Butylbenzene	ND	ND	ND	ND	11,000	100,000						
Styrene	ND	ND	ND	ND	680	100,000						
t-Butyl alcohol	ND	ND	ND	ND	680	100,000						
tert-Butylbenzene	ND	ND	ND	ND	5,900	100,000						
Tetrachloroethane	ND	ND	1.4 J	ND	ND	ND	ND	1.4 J	ND	ND	1,300	19,000
Toluene	ND	ND	ND	ND	700	100,000						
trans-1,2-Dichloroethene	ND	ND	ND	ND	190	120						
trans-1,3-Dichloropropene	ND	ND	ND	ND	680	100,000						
Trichloroethene	ND	ND	ND	ND	470	21,000						
Trichlorofluoromethane	ND	ND	ND	ND	680	100,000						
Vinyl acetate	ND	ND	ND	ND	680	100,000						
Vinyl chloride	ND	ND	ND	ND	20	900						

Notes:  
 All concentrations are reported in micrograms per kilogram (ug/kg) or parts per billion.  
 J - Indicates an estimated value  
 NVG - No Value Given  
 B - Analyte detected in associated Method Blank  
 ND - Not detected at or above reporting limits  
 ug/kg and ug/L are equal to parts per billion  
 \*6 NYCRR Part 375, Subparts 375-1 to 375-4 & 375-6;  
 Table 375-6.8(a)-Restricted and Unrestricted Use Soil Cleanup Objectives

**Table 2**  
**Analytical Results of Semi-Volatile Organic Compounds In Soil Samples**

538 Union Avenue  
Brooklyn, New York

Sample ID Matrix Date Sampled	B-7 (0-2 feet) Soil 4/25/2012	B-7 (2-4 feet) Soil 4/25/2012	B-8 (0-2 feet) Soil 4/25/2012	B-8 (4-6 feet) Soil 4/25/2012	B-9 (0-2 feet) Soil 4/25/2012	B-9 (4-6 feet) Soil 4/25/2012	B-10 (0-2 feet) Soil 4/25/2012	B-10 (2-4 feet) Soil 4/25/2012	Field Blank Aqueous 4/25/2012	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Restricted Residential SCOs
<b>SVOCs via EPA Method 8270</b>											
<b>Units</b>	<b>ug/kg</b>	<b>ug/kg</b>	<b>ug/L</b>	<b>ug/kg</b>	<b>ug/kg</b>						
2-Chlorophenol	ND	ND	ND	NVG	NVG						
4-Chloro-3-methyl phenol	ND	ND	ND	NVG	NVG						
2,4-Dichlorophenol	ND	ND	ND	NVG	NVG						
2,4-Dimethylphenol	ND	ND	ND	NVG	NVG						
2,4-Dinitrophenol	ND	ND	ND	NVG	NVG						
4,6-Dinitro-o-cresol	ND	ND	ND	NVG	NVG						
2-Methylphenol	ND	ND	ND	NVG	NVG						
3&4-Methylphenol	ND	ND	ND	NVG	NVG						
2-Nitrophenol	ND	ND	ND	NVG	NVG						
4-Nitrophenol	ND	ND	ND	NVG	NVG						
Pentachlorophenol	ND	ND	ND	800	6,700						
Phenol	ND	ND	ND	330	100,000						
2,3,4,6-Tetrachlorophenol	ND	ND	ND	NVG	NVG						
2,4,5-Trichlorophenol	ND	ND	ND	NVG	NVG						
2,4,6-Trichlorophenol	ND	ND	ND	NVG	NVG						
Acenaphthene	760	140 J	3,100	ND	4,400	ND	1,400	5,000	ND	20,000	100,000
Acenaphthylene	140 J	ND	440	ND	92 J	ND	180 J	160 J	ND	100,000	100,000
Acetophenone	ND	ND	ND	NVG	NVG						
Anthracene	10,000	250 J	8,200	150 J	29,000	130 J	2,500 J	40,000	ND	100,000	100,000
Atrazine	ND	ND	ND	NVG	NVG						
Benzo(a)anthracene	<b>7,800</b>	700	<b>23,000</b>	90 J	<b>12,000</b>	68 J	<b>7,900</b>	<b>9,800</b>	ND	1,000	1,000
Benzo(a)pyrene	<b>6,200</b>	670	<b>19,000</b>	87 J	<b>8,800</b>	48 J	<b>6,200</b>	<b>6,200</b>	ND	1,000	1,000
Benzo(b)fluoranthene	<b>8,600</b>	680	<b>23,000</b>	130 J	<b>11,000</b>	53 J	<b>8,000</b>	<b>8,400</b>	ND	1,000	1,000
Benzo(g,h,i)perylene	3,200	360	9,600	53 J	4,900	ND	4,400	3,400	ND	100,000	100,000
Benzo(k)fluoranthene	<b>9,700</b>	170 J	<b>29,000</b>	140 J	<b>14,000</b>	43 J	<b>9,700</b>	<b>9,300</b>	ND	800	3,900
4-Bromophenyl phenyl ether	ND	ND	ND	NVG	NVG						
Butyl benzyl phthalate	ND	4,200	ND	NVG	NVG						
1,1'-Biphenyl	ND	ND	ND	NVG	NVG						
Benzaldehyde	ND	ND	ND	NVG	NVG						
2-Chloronaphthalene	ND	ND	ND	NVG	NVG						
4-Chloroaniline	ND	ND	ND	NVG	NVG						
Carbazole	700	ND	ND	ND	ND	ND	ND	ND	ND	NVG	NVG
Caprolactam	ND	ND	ND	NVG	NVG						
Chrysene	<b>7,800</b>	730	<b>25,000</b>	110 J	<b>12,000</b>	78 J	<b>7,100</b>	<b>5,900</b>	ND	1,000	3,900
bis(2-Chloroethoxy)methane	ND	ND	ND	NVG	NVG						
bis(2-Chloroethyl)ether	ND	ND	ND	NVG	NVG						
bis(2-Chloroisopropyl)ether	ND	ND	ND	NVG	NVG						
4-Chlorophenyl phenyl ether	ND	ND	ND	NVG	NVG						
2,4-Dinitrotoluene	ND	ND	ND	NVG	NVG						
2,6-Dinitrotoluene	ND	ND	ND	NVG	NVG						
3,3'-Dichlorobenzidine	ND	ND	ND	NVG	NVG						
Dibenzo(a,h)anthracene	<b>1,100</b>	86 J	<b>3,100</b>	ND	<b>1,800</b>	ND	<b>1,400</b>	<b>1,200</b>	ND	330	330
Dibenzofuran	410	79 J	1,600	ND	3,000	ND	810	4,200	ND	NVG	NVG
Di-n-butyl phthalate	ND	1,500	ND	NVG	NVG						
Di-n-octyl phthalate	ND	780	ND	NVG	NVG						
Diethyl phthalate	ND	ND	ND	NVG	NVG						
Dimethyl phthalate	ND	ND	ND	NVG	NVG						
bis(2-Ethylhexyl)phthalate	490	300	ND	ND	510	ND	ND	1,600	ND	NVG	NVG
Fluoranthene	16,000	1,100	58,000	240 J	31,000	150 J	18,000	28,000	ND	100,000	100,000
Fluorene	600	93 J	2,500	ND	3,200	ND	1,100	4,200	ND	30,000	100,000
Hexachlorobenzene	ND	ND	ND	NVG	NVG						
Hexachlorobutadiene	ND	ND	ND	NVG	NVG						
Hexachlorocyclopentadiene	ND	ND	ND	NVG	NVG						
Hexachloroethane	ND	ND	ND	NVG	NVG						
Indeno(1,2,3-cd)pyrene	<b>3,800</b>	430	<b>8,600</b>	55 J	<b>6,400 E</b>	49 J	<b>3,300</b>	<b>4,500</b>	ND	500	500
Isophorone	ND	ND	ND	NVG	NVG						
2-Methylnaphthalene	110 J	30 J	420	ND	820	ND	310	2,700	ND	NVG	NVG
2-Nitroaniline	ND	ND	ND	NVG	NVG						
3-Nitroaniline	ND	ND	ND	NVG	NVG						
4-Nitroaniline	ND	ND	ND	NVG	NVG						
Naphthalene	230 J	74 J	720	ND	2,600	ND	600	5,000	ND	12,000	100,000
Nitrobenzene	ND	ND	ND	NVG	NVG						
N-Nitroso-di-n-propylamine	ND	ND	ND	NVG	NVG						
N-Nitrosodiphenylamine	ND	ND	ND	NVG	NVG						
Phenanthrene	11,000	1,300	42,000	170 J	31,000	130 J	13,000	42,000	ND	100,000	100,000
Pyrene	16,000	1,400	55,000	260 J	25,000	150 J	16,000	26,000	ND	100,000	100,000
1,2,4,5-Tetrachlorobenzene	ND	ND	ND	NVG	NVG						

Notes:  
All concentrations are reported in micrograms per kilogram ( ug/kg) or parts per billion.  
J - Indicates an estimated value  
NVG - No Value Given  
ND - Not detected at or above reporting limits  
ug/L- and ug/kg equal parts per billion (ppb)

\*6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;  
Table 375-6.8(a)-Restricted and Unrestricted Use Soil Cleanup Objectives  
**Bold indicates that value is above 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives**  
**Bold and boxed indicates that value is above 6 NYCRR Part 375 Restricted Use Soil Cleanup Objectives.**  
E - indicates the compound exceeded the instrument's calibration range.

**TABLE 3**  
**Analytical Results for Pesticides in Soil Samples**  
**538 Union Avenue**  
**Brooklyn, New York**

Sample ID	B-7 (0-2 feet)	B-7 (2-4 feet)	B-8 (0-2 feet)	B-8 (4-6 feet)	B-9 (0-2 feet)	B-9 (4-6 feet)	B-10 (0-2 feet)	B-10 (2-4 feet)	Field Blank	*Part 375	*Part 375
Matrix	Soil	Soil	Aqueous	Unrestricted	Restricted Residential						
Date Sampled	4/25/2012	4/25/2012	4/25/2012	4/25/2012	4/25/2012	4/25/2012	4/25/2012	4/25/2012	4/25/2012	Use	Use
Units	ug/Kg	ug/Kg	ug/L	ug/Kg	ug/Kg						
<b>Pesticides via EPA Method 8081</b>											
4,4'-DDD	<b>44</b>	3.1	<b>300</b>	ND	<b>37</b>	ND	<b>38</b>	<b>110</b>	ND	3.3	13,000
4,4'-DDE	<b>100</b>	<b>4.8</b>	<b>180</b>	1.1	<b>28</b>	ND	<b>41</b>	<b>180</b>	ND	3.3	8,900
4,4'-DDT	<b>490</b>	<b>20</b>	<b>890</b>	<b>4.8</b>	<b>180</b>	ND	<b>480</b>	<b>890</b>	ND	3.3	7,900
Aldrin	ND	ND	ND	5	97						
alpha-BHC	ND	ND	ND	20	480						
beta-BHC	ND	ND	ND	36	360						
Chlordane	ND	<b>790</b>	ND	94	4,200						
Chlorobenzilate	ND	ND	ND	NVG	NVG						
DBCP	ND	ND	ND	NVG	NVG						
delta-BHC	ND	ND	9.8	ND	ND	ND	ND	ND	ND	40	100,000
Dieldrin	2.8	ND	ND	ND	ND	ND	<b>7.2</b>	<b>17</b>	ND	5	200
Endosulfan I	ND	ND	ND	2,400	24,000						
Endosulfan II	ND	ND	56	ND	ND	ND	ND	ND	ND	2,400	24,000
Endosulfan sulfate	ND	ND	ND	2,400	24,000						
Endrin	ND	ND	ND	14	11,000						
Endrin aldehyde	ND C	ND C	22 C	ND C	ND C	ND C	ND	ND	ND	NVG	NVG
Endrin ketone	ND	ND	230 C	ND	ND	ND	ND	ND	ND	NVG	NVG
gamma-BHC	ND	ND	ND	100	1,300						
Heptachlor	ND	ND	28	ND	ND	ND	6.2	11	ND	42	2,100
Heptachlor epoxide	ND	ND	ND	0.48	ND	ND	ND	30	ND	NVG	NVG
Hexachlorobenzene	ND	ND	ND	330	1,200						
Hexachlorocyclopentadiene	ND	ND	ND	NVG	NVG						
Methoxychlor	8.7	ND	ND	ND	ND	ND	ND	27	ND	NVG	NVG
Toxaphene	ND	ND	ND	NVG	NVG						

**Notes:**

All concentrations are reported in micrograms per kilogram (ug/kg) or parts per billion. ug/kg and ug/L equal parts per billion (ppb)

\*6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;

Table 375-6.8(a): Restricted and Unrestricted Use Soil Cleanup Objectives

NVG=No Value Given

ND=Not detected at or above reporting limits

C=calibration %RSD>%D exceeded for non-CCC analytes.

**Bold and boxed indicates that value is above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.**

**Table 4**  
**Analytical Results of PCBs In Soil Samples**

538 Union Avenue  
Brooklyn, New York

Sample ID Matrix Date Sampled	B-7 (0-2 feet) Soil 4/25/2012	B-7 (2-4 feet) Soil 4/25/2012	B-8 (0-2 feet) Soil 4/25/2012	B-8 (4-6 feet) Soil 4/25/2012	B-9 (0-2 feet) Soil 4/25/2012	B-9 (4-6 feet) Soil 4/25/2012	B-10 (0-2 feet) Soil 4/25/2012	B-10 (2-4 feet) Soil 4/25/2012	Field Blank Aqueous 4/25/2012	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Restricted Residential SCOs
PCBs via EPA Method 8082 Units	ug/kg	ug/kg	ug/L	ug/kg	ug/kg						
Aroclor 1016	ND	ND	ND	100	1,000						
Aroclor 1221	ND	ND	ND	100	1,000						
Aroclor 1232	ND	ND	ND	100	1,000						
Aroclor 1242	ND	ND	ND	100	1,000						
Aroclor 1248	ND	ND	ND	100	1,000						
Aroclor 1254	ND	ND	ND	100	1,000						
Aroclor 1260	51	ND	<b>150</b>	ND	37	ND	69	66	ND	100	1,000
Aroclor 1268	ND	ND	<b>140</b>	ND	24	ND	66	22	ND	100	1,000
Aroclor 1262	ND	ND	ND	100	1,000						

Notes:  
 All concentrations are reported in micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ) or parts per billion. \*6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6; **Bold and boxed indicates that value is above 6 NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives.**  
 $\mu\text{g}/\text{kg}$  and  $\mu\text{g}/\text{L}$  equal parts per billion (ppb) Table 375-6.8(a):Restricted and Unrestricted Use Soil Cleanup Objectives  
 ND - Not detected at or above reporting limits

**Table 5**  
**Analytical Results of Metals In Soil Samples**

538 Union Avenue  
Brooklyn, New York

Sample ID Matrix Date Sampled	B-7 (0-2 feet) Soil 4/25/2012	B-7 (2-4 feet) Soil 4/25/2012	B-8 (0-2 feet) Soil 4/25/2012	B-8 (4-6 feet) Soil 4/25/2012	B-9 (0-2 feet) Soil 4/25/2012	B-9 (4-6 feet) Soil 4/25/2012	B-10 (0-2 feet) Soil 4/25/2012	B-10 (2-4 feet) Soil 4/25/2012	Field Blank aqueous 4/25/2012	NYSDEC Part 375* Unrestricted SCOs	NYSDEC Part 375* Restricted Residential SCOs
Units	mg/kg	mg/kg	mg/L	mg/kg	mg/kg						
Aluminum	4,180	11,400	4,180	9,670	4,410	5,720	5,130	3,880	0.0266	NVG	NVG
Antimony	ND	ND	ND	NVG	NVG						
Arsenic	<b>33.9</b>	3.17	<b>48.3</b>	2.70	<b>71.0</b>	3.42	<b>26.9</b>	9.64	ND	13	16
Barium	<b>351</b>	78.0	<b>523</b>	34.6	328	35.8	<b>366</b>	<b>409</b>	0.0153 J	350	400
Beryllium	ND	ND	ND	7.2	72						
Cadmium	1.25	ND	<b>2.81</b>	ND	2.21	ND	1.37	1.11	ND	2.5	4.3
Calcium	6,270	1,790	4,220	910	5,500	819	18,800	40,100	4.58	NVG	NVG
Chromium	20.4	18.8	<b>32.8</b>	15.5	24.6	17.4	20.7	13.8	ND	30	180
Cobalt	ND	ND	ND	NVG	NA						
Copper	<b>117</b>	29.4	<b>189</b>	13.3	<b>199</b>	14.9	<b>74.7</b>	35.7	ND	50	270
Iron	20,500	21,700	20,000	18,700	16,100	20,700	17,400	18,100	0.0852	NVG	NVG
Lead	<b>524</b>	<b>222</b>	<b>1,320</b>	22.0	<b>649</b>	22.3	<b>466</b>	<b>274</b>	ND	63	400
Magnesium	1,310	2,250	1,550	1,500	1,360	1,440	1,780	4,180	0.846	NVG	NVG
Manganese	224	301	246	326	244	397	260	315	ND	1,600	2,000
Mercury	<b>4.34</b>	<b>0.126</b>	<b>3.93</b>	0.0516	<b>24.5</b>	0.0407	<b>10.7</b>	<b>1.64</b>	ND	0.18	0.81
Nickel	15.9	13.7	21.0	11.9	15.8	11.8	16.5	9.74	ND	30	310
Potassium	785	1,080	714	808	946	866	1,020	1,220	0.652	NVG	NVG
Selenium	0.423 J	ND	0.525 J	ND	0.470 J	ND	2.89	1.42	ND	3.9	180
Silver	0.322	ND	0.820	ND	0.436 J	ND	0.226 J	0.157 J	ND	2	180
Sodium	273	76.1	447	46.7	217	50.9	397	320	3.59	NVG	NVG
Thallium	ND	0.831	ND	0.482 J	ND	0.505 J	ND	0.488 J	ND	NVG	NVG
Vanadium	23.3	30.3	33.9	23.9	21.5	25.4	22.1	14.3	ND	NVG	NVG
Zinc	<b>453</b>	<b>119</b>	734	30.2	<b>453</b>	33.3	<b>403</b>	<b>409</b>	0.0153 J	109	10,000

Notes:

All concentrations are reported in milligrams per kilogram (mg/kg) or parts per million.

ND - Not detected at or above reporting limits

J - Indicates an estimated value

mg/kg equals parts per million (ppm)

NVG - No Value Given

Mercury analyzed via EPA Method 7471B

**Bold indicates that value is above 6 NYCRR Part 375 Unrestricted Soil Cleanup Objectives.**

**Bold and boxed indicates that value is above Part 375 Restricted Residential Soil Cleanup Objectives.**

\*6 NYCRR Part 375; Subparts 375-1 to 375-4 & 375-6;

Table 375-6.8(a): Restricted and Unrestricted Use Soil Cleanup Objectives

Table 6				
Analytical Results for Volatile Organic Compounds In Groundwater				
538 Union Avenue				
Brooklyn, New York				
Sample ID	GW-4	GW-5	GW-6	NYSDEC
Matrix	groundwater	groundwater	groundwater	TOGs*
Date Sampled	4/25/2012	4/25/2012	4/25/2012	
<b>Volatile Organic Compounds</b>				
<b>Units</b>	ug/L	ug/L	ug/L	ug/L
Acetone	ND	ND	ND	50
Acrolein	ND	ND C	ND C	5
Benzene	ND	ND	ND	1
Bromobenzene	ND	ND	ND	5
Bromochloromethane	ND	ND	ND	5
Bromodichloromethane	ND	ND	ND	50
Bromoform	ND C	ND C	ND	50
Bromomethane	ND	ND	ND	5
2-Butanone (MEK)	ND	ND	ND	50
n-Butylbenzene	ND	ND	ND	5
sec-Butylbenzene	ND	ND	ND	5
tert-Butylbenzene	ND	ND	ND	5
Carbon disulfide	0.50 J	ND	ND	NVG
Carbon tetrachloride	ND	ND	ND	5
Chlorobenzene	ND	ND	ND	5
Chloroethane	ND C	ND C	ND	5
Chloroform	ND	ND	ND	7
Chloromethane	ND C	ND C	ND	NVG
o-Chlorotoluene	ND	ND	ND	5
p-Chlorotoluene	ND	ND	ND	5
1,2-Dibromo-3-Chloropropane	ND C	ND C	ND C	0.04
Dibromochloromethane	ND	ND	ND	50
1,2-Dibromoethane	ND	ND	ND	NVG
1,2-Dichlorobenzene	ND	ND	ND	3
1,3-Dichlorobenzene	ND	ND	ND	3
1,4-Dichlorobenzene	ND	ND	ND	3
Dichlorodifluoromethane	ND	ND	ND	5
1,1-Dichloroethane	ND	0.81 J	0.78 J	5
1,2-Dichloroethane	ND	ND	ND	0.6
1,1-Dichloroethene	ND	ND	ND	5
cis-1,2-Dichloroethene	ND	ND	ND	5
trans-1,2-Dichloroethene	ND	ND	ND	5
1,2-Dichloropropane	ND	ND	ND	1
1,3-Dichloropropane	ND	ND	ND	5
2,2-Dichloropropane	ND	ND	ND	5
1,1-Dichloropropene	ND	ND	ND	5
cis-1,3-Dichloropropene	ND	ND	ND	0.4
trans-1,3-Dichloropropene	ND	ND	ND	0.4
Ethylbenzene	ND	ND	ND	5
Hexachlorobutadiene	ND	ND	ND	0.5
Isopropylbenzene	ND	ND	ND	5
p-Isopropyltoluene	ND	ND	ND	5
Methyl Tert Butyl Ether	0.77 J	0.50 J	ND	10
4-Methyl-2-Pentanone (MIBK)	ND	ND	ND	NVG
Methylene bromide	ND	ND	ND	NVG
Methylene Chloride	3.7 B	3.6 B	3.7 B	5
Naphthalene	ND	ND	ND	10
n-Propylbenzene	ND	ND	ND	5
Styrene	ND	ND	ND	5
1,1,1,2-Tetrachloroethane	ND	ND	ND	5
1,1,2,2-Tetrachloroethane	ND	ND	ND	5
Tetrachloroethene	ND	ND	ND	5
Toluene	ND	ND	ND	5
1,2,3-Trichlorobenzene	ND	ND	ND	5
1,2,4-Trichlorobenzene	ND	ND	ND	5
1,1,1-Trichloroethane	ND	<b>7.6</b>	ND	5
1,1,2-Trichloroethane	ND	ND	ND	1
Trichloroethene	ND	ND	ND	5
Trichlorofluoromethane	ND	ND C	ND C	5
1,2,3-Trichloropropane	ND C	ND C	ND C	0.04
1,2,4-Trimethylbenzene	ND	ND	ND	5
1,3,5-Trimethylbenzene	ND	ND	ND	5
Vinyl chloride	ND	ND	ND	2
m,p-Xylene	ND	ND	ND	5
o-Xylene	ND	ND	ND	5
Xylene (total)	ND	ND	ND	5
<b>Notes:</b>				
ug/L - micrograms per liter or parts per billion				
ND - Not detected at or above laboratory detection limits				
NVG - No Value Given				
C - Calibration %RSD/% D exceeded for non-CCC analytes				
B - Analyte detected in associated Method Blank				
J - Estimated Value				
<b>Boxed and bold indicates exceedance groundwater standards or guidance values</b>				
*NYSDEC Technical and Operational Guidance Series (1.1.1)				
Ambient Water Quality Standards and Guidance Values				
and Groundwater Effluent Limitations; June 1998				

Table 7				
Analytical Results for Semi-Volatile Organic Compounds In Groundwater				
538 Union Avenue				
Brooklyn, New York				
Sample ID	GW-4	GW-5	GW-6	NYSDEC
Matrix	groundwater	groundwater	groundwater	TOGS*
Date Sampled	4/25/2012	4/25/2012	4/25/2012	
<b>Semi-Volatile Organic Compounds</b>				
<b>Units</b>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
2-Chlorophenol	ND	ND	ND	NVG
4-Chloro-3-methyl phenol	ND	ND	ND	NVG
2,4-Dichlorophenol	ND	ND	ND	5
2,4-Dimethylphenol	ND	ND	ND	50
2,4-Dinitrophenol	ND	ND	ND	10
4,6-Dinitro-2-methylphenol	ND	ND	ND	NVG
2-Methylphenol	ND	ND	ND	1
3+4-Methylphenols	ND	ND	ND	1
2-Nitrophenol	ND	ND	ND	NVG
4-Nitrophenol	ND	ND	ND	NVG
Pentachlorophenol	ND	ND	ND	NVG
Phenol	ND	ND	ND	1
2,4,5-Trichlorophenol	ND	ND	ND	NVG
2,4,6-Trichlorophenol	ND	ND	ND	NVG
Acenaphthene	ND	ND	0.62 J	20
Acenaphthylene	ND	ND	ND	NVG
Acetophenone	ND	ND	ND	NVG
Anthracene	ND	3.1 J	ND	50
Atrazine	ND	ND	ND	7.5
Benzo(a)anthracene	ND	<b>2.3 J</b>	<b>0.94 J</b>	0.002
Benzo(a)pyrene	ND	<b>2.3 J</b>	<b>0.97 J</b>	0.002
Benzo(b)fluoranthene	ND	<b>1.7 J</b>	<b>1.7 J</b>	0.002
Benzo(g,h,i)perylene	ND	0.98 J	ND	NVG
Benzo(k)fluoranthene	ND	<b>1.6 J</b>	<b>1.5 J</b>	0.002
4-Bromophenyl-phenylether	ND	ND	ND	NVG
Butylbenzylphthalate	ND	ND	ND	50
1,1' -Biphenyl	ND	ND	ND	5
Benzaldehyde	ND	ND	ND	NVG
2-Chloronaphthalene	ND	ND	ND	10
4-Chloroaniline	ND	ND	ND	5
Carbazole	ND	ND	ND	NVG
Caprolactam	ND	ND	ND	NVG
Chrysene	ND	<b>2.4 J</b>	<b>1.1 J</b>	0.002
bis(2-Chloroethoxy)methane	ND	ND	ND	5
bis(2-Chloroethyl)ether	ND	ND	ND	1
bis(2-Chloroisopropyl)ether	ND	ND	ND	NVG
4-Chlorophenyl-phenylether	ND	ND	ND	NVG
2,4-Dinitrotoluene	ND	ND	ND	5
2,6-Dinitrotoluene	ND	ND	ND	5
3,3-Dichlorobenzidine	ND	ND	ND	5
Dibenzo(a,h)anthracene	ND	ND	ND	NVG
Dibenzofuran	ND	ND	ND	NVG
Di-n-butylphthalate	ND	ND	ND	50
Di-n-octyl phthalate	ND	ND	ND	50
Diethylphthalate	ND	ND	ND	50
Dimethylphthalate	ND	ND	ND	50
bis(2-Ethylhexyl)phthalate	ND	ND	ND	5
Fluoranthene	ND	4.6 J	1.9 J	50
Fluorene	ND	ND	ND	50
Hexachlorobenzene	ND	ND	ND	0.04
Hexachlorobutadiene	ND	ND	ND	0.5
Hexachlorocyclopentadiene	ND	ND	ND	5
Hexachloroethane	ND	ND	ND	5
Indeno(1,2,3-cd)pyrene	ND	<b>1.1 J</b>	ND	0.002
Isophorone	ND	ND	ND	50
2-Methylnaphthalene	ND	ND	ND	NGV
2-Nitroaniline	ND	ND	ND	5
3-Nitroaniline	ND	ND	ND	5
4-Nitroaniline	ND	ND	ND	5
Naphthalene	ND	ND	ND	10
Nitrobenzene	ND	ND	ND	0.4
N-Nitroso-di-n-propylamine	ND	ND	ND	NVG
N-Nitrosodiphenylamine	ND	ND	ND	50
Phenanthrene	ND	3.2 J	1.9 J	50
Pyrene	ND	5.3 J	2.0 J	50
<i>Notes:</i>				
<i>ug/L - micrograms per liter or parts per billion</i>				
<i>ND - Not detected at or above laboratory detection limits</i>				
<i>NVG - No Value Given</i>				
<i>J - Estimated Value</i>				
<b>Boxed and bold indicates exceedance of groundwater standards or guidance values</b>				
<i>*NYSDEC Technical and Operational Guidance Series (1.1.1)</i>				
<i>Ambient Water Quality Standards and Guidance Values</i>				
<i>and Groundwater Effluent Limitations; June 1998</i>				

**Table 8**

**Analytical Results for Pesticides In Groundwater**

**538 Union Avenue  
Brooklyn, New York**

<b>Sample ID</b>	<b>GW-4</b>	<b>GW-5</b>	<b>GW-6</b>	<b>NYSDEC TOGS*</b>
<b>Matrix</b>	groundwater	groundwater	groundwater	
<b>Date Sampled</b>	4/25/2012	4/25/2012	4/25/2012	
<b>Pesticides</b>				
<b>Units</b>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
Aldrin	ND	ND	ND	ND
alpha-BHC	ND	ND	ND	0.01
beta-BHC	ND	ND	ND	0.04
delta-BHC	ND	ND	ND	0.04
gamma-BHC	ND	ND	ND	0.05
alpha-Chlordane	ND	ND	ND	0.05
gamma-Chlordane	ND	ND	ND	0.05
Dieldrin	ND	ND	ND	0.004
4,4-DDD	ND	0.092 JP	0.041 JP	0.3
4,4-DDE	ND	0.043 J	0.030 J	0.2
4,4-DDT	ND	<b>0.39 J</b>	0.059 J	0.2
Endrin	ND	ND	ND	ND
Endosulfan Sulfate	ND	ND	ND	NVG
Endrin aldehyde	ND	ND	ND	5
Endosulfan I	ND	ND	ND	NVG
Endosulfan II	ND	ND	ND	NVG
Heptachlor	ND	ND	ND	0.04
Heptachlor epoxide	ND	ND	ND	0.03
Methoxychlor	ND	ND	ND	35
Endrin ketone	ND	ND	ND	5
Toxaphene	ND	ND	ND	0.06

**Notes:**

*ug/L - micrograms per liter or parts per billion*

*ND - Not detected at or above laboratory detection limits*

*P- >40% diff for detected concentration between the two GC columns*

*NVG - No Value Given*

*J - Estimated Value*

**Boxed and bold indicates exceedance of groundwater standards or guidance values**

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

*Ambient Water Quality Standards and Guidance Values*

*and Groundwater Effluent Limitations; June 1998*

**Table 9**  
**Analytical Results for PCBs In Groundwater**  
**538 Union Avenue**  
**Brooklyn, New York**

Sample ID Matrix Date Sampled	GW-4 groundwater 4/25/2012	GW-5 groundwater 4/25/2012	GW-6 groundwater 4/25/2012	NYSDEC TOGS**
<b>PCBs</b>				
<b>Units</b>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>	<u>ug/L</u>
Aroclor-1016	ND	ND	ND	0.09 *
Aroclor-1221	ND	ND	ND	0.09 *
Aroclor-1232	ND	ND	ND	0.09 *
Aroclor-1242	ND	ND	ND	0.09 *
Aroclor-1248	ND	ND	ND	0.09 *
Aroclor-1254	ND	ND	ND	0.09 *
Aroclor-1260	ND	ND	ND	0.09 *
Aroclor-1262	ND	ND	ND	0.09 *
Aroclor-1268	ND	ND	ND	0.09 *

*Notes:*

*ug/L - micrograms per liter or parts per billion*

*ND - Not detected at or above laboratory detection limits*

*\* Applies to the sum of these compounds*

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

*Ambient Water Quality Standards and Guidance Values*

*and Groundwater Effluent Limitations; June 1998*

**Table 10**

**Analytical Results for Total and Dissolved Metals In Groundwater**

**538 Union Avenue  
Brooklyn, New York**

<b>Sample ID</b>	<b>GW-4</b>	<b>GW-5</b>	<b>GW-6</b>	<b>NYSDEC TOGS*</b>
<b>Matrix</b>	groundwater	groundwater	groundwater	
<b>Date Sampled</b>	4/25/2012	4/25/2012	4/25/2012	
<b>Total Metals</b>				
<b>Units</b>	<u>mg/L</u>	<u>mg/L</u>	<u>mg/L</u>	<u>mg/L</u>
Aluminum	182	690	98.9	NVG
Antimony	ND	ND	ND	3
Arsenic	0.0879	0.196	0.209	25
Barium	1.70	13.0	12.1	1,000
Beryllium	ND	ND	ND	3
Cadmium	ND	0.0151	0.0234	5
Calcium	204	469	610	NVG
Chromium	0.490	1.32	0.510	50
Cobalt	0.0404	0.0813	0.0336	NVG
Copper	0.676	3.20	3.30	200
Iron	<b>498</b>	<b>1,240</b>	<b>445</b>	300
Lead	1.09	22.4	18.3	25
Magnesium	89.3	143	86.2	35,000
Manganese	16.9	38.5	10.1	300
Mercury	0.00109	0.0566	0.0312	0.7
Nickel	0.385	0.959	0.408	100
Potassium	65.1	85.8	32.1	NVG
Selenium	ND	ND	0.0128 J	10
Silver	ND	0.0128 J	0.0158 J	50
Sodium	23.4	22.5	14.2	20,000
Thallium	0.0133 J	0.0252	ND	0.5
Vanadium	0.633	1.18	0.511	NVG
Zinc	1.46	8.68	10.6	2,000
<b>Dissolved Metals</b>				
<b>Units</b>	mg/L	mg/L	mg/L	mg/L
Aluminum	0.155	0.0540	0.125	NVG
Antimony	ND	ND	ND	3
Arsenic	ND	ND	ND	25
Barium	0.282	0.151	0.134	1,000
Beryllium	ND	ND	ND	3
Cadmium	ND	ND	ND	5
Calcium	225	179	314	NVG
Chromium	ND	ND	ND	50
Cobalt	0.00826 J	0.00693 J	0.00608 J	NVG
Copper	ND	ND	ND	200
Iron	0.118	0.260	0.121	300
Lead	ND	0.0105 J	0.00605 J	25
Magnesium	53.5	22.3	28.4	35,000
Manganese	8.27	3.65	1.46	300
Mercury	ND	ND	ND	0.7
Nickel	0.0176 J	0.00737 J	0.00778 J	100
Potassium	44.8	21.9	13.8	NVG
Selenium	ND	ND	ND	10
Silver	ND	ND	ND	50
Sodium	29.7	19.5	11.4	20,000
Thallium	ND	ND	ND	0.5
Vanadium	ND	ND	ND	NVG
Zinc	0.00579 J	0.0116 J	0.0335	2,000

*Notes:*

*mg/L - milligrams per liter or parts per million*

*ND - Not detected at or above laboratory detection limits*

*NVG - No Value Given*

*J - Estimated Value*

**Boxed and bold indicates exceedance of groundwater standards or guidance values**

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

*Ambient Water Quality Standards and Guidance Values*

*and Groundwater Effluent Limitations; June 1998*

**Table 11**  
**Analytical Results of Volatile Organic Compounds Detected In Soil Vapor Samples**  
**538 Union Avenue, Brooklyn, NY**

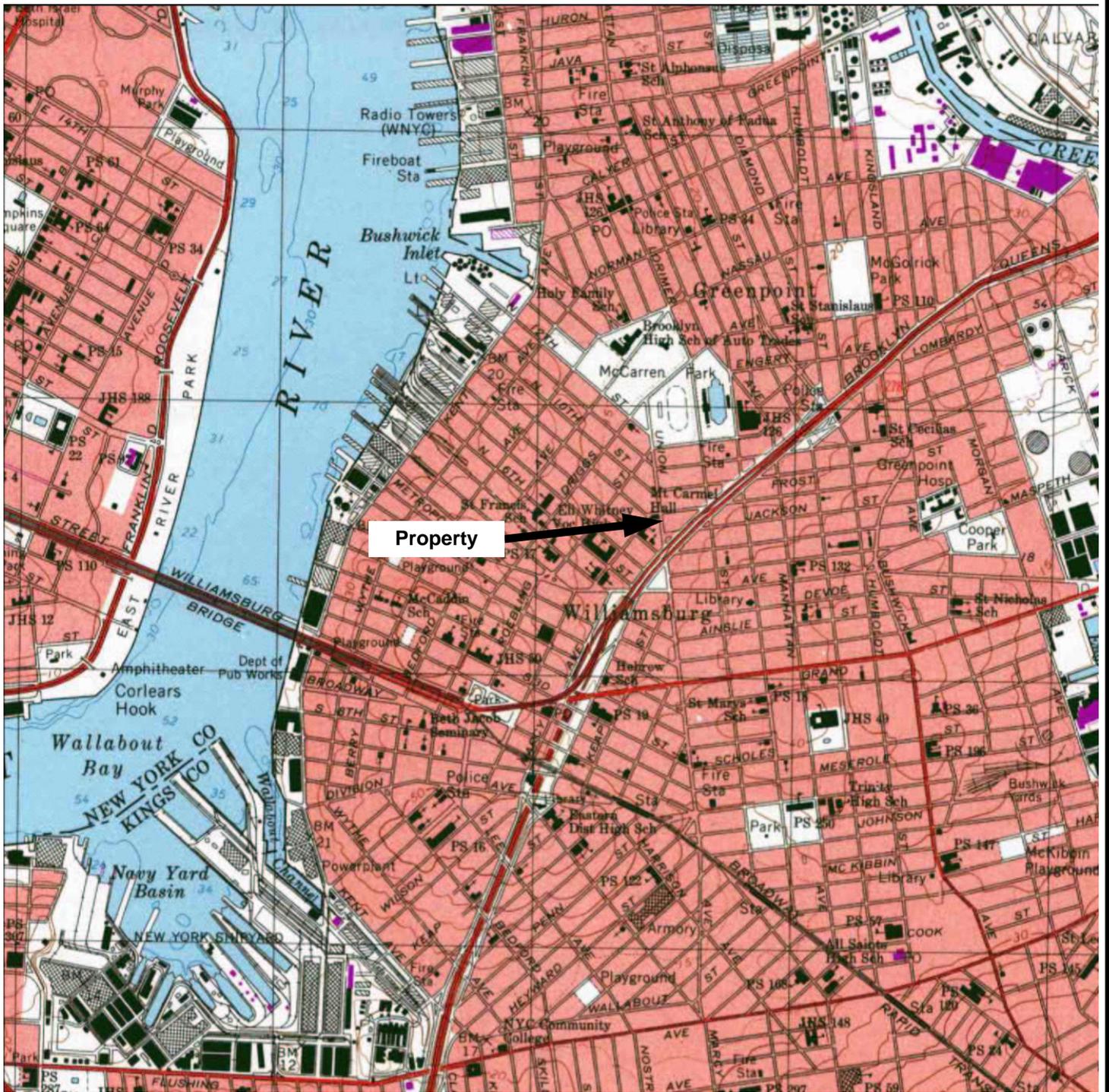
Sample ID Matrix Date Sampled	SV-1 Soil Vapor 4/27/2012	SV-2 Soil Vapor 4/27/2012	SV-3 Soil Vapor 4/27/2012
<b>Volatile Organic Compounds via EPA Method TO-15</b>			
<b>Units</b>	<u>ug/m<sup>3</sup></u>	<u>ug/m<sup>3</sup></u>	<u>ug/m<sup>3</sup></u>
Acetone	1,120 a	1,300 a	1,850 a
1,3-Butadiene	ND	ND	ND
Benzene	ND	1.5	ND
Bromodichloromethane	ND	ND	ND
Bromoform	ND	ND	ND
Bromomethane	ND	ND	ND
Bromoethene	ND	ND	ND
Benzyl Chloride	ND	ND	ND
Carbon disulfide	ND	ND	ND
Chlorobenzene	ND	ND	ND
Chloroethane	ND	ND	ND
Chloroform	4.4	3.3	ND
Chloromethane	ND	ND	ND
3-Chloropropene	ND	ND	ND
2-Chlorotoluene	ND	ND	ND
Carbon tetrachloride	ND	ND	ND
Cyclohexane	ND	ND	ND
1,1-Dichloroethane	8.9	5.7	ND
1,1-Dichloroethylene	ND	ND	ND
1,2-Dibromoethane	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND
1,4-Dioxane	ND	ND	ND
Dichlorodifluoromethane	3.2	3.3	3.9
Dibromochloromethane	ND	ND	ND
trans-1,2-Dichloroethylene	ND	ND	ND
cis-1,2-Dichloroethylene	ND	ND	ND
cis-1,3-Dichloropropene	ND	ND	ND
m-Dichlorobenzene	ND	ND	ND
o-Dichlorobenzene	ND	ND	ND
p-Dichlorobenzene	ND	ND	ND
trans-1,3-Dichloropropene	ND	ND	ND
Ethanol	73.5	88.4	120
Ethylbenzene	6.1	8.7	5.6
Ethyl Acetate	ND	ND	ND
4-Ethyltoluene	6.4	7.4	5.9
Freon 113	ND	ND	ND
Freon 114	ND	ND	ND
Heptane	17	17	20
Hexachlorobutadiene	ND	ND	ND
Hexane	ND	10	ND
2-Hexanone	162	148	202
Isopropyl Alcohol	93.4	127	158
Methylene chloride	ND	ND	ND
Methyl ethyl ketone	398 a	363 a	575 a
Methyl Isobutyl Ketone	ND	ND	ND
Methyl Tert Butyl Ether	ND	ND	ND
Methylmethacrylate	ND	ND	ND
Propylene	170	204	234 a
Styrene	ND	ND	ND
1,1,1-Trichloroethane	230	35	111
1,1,2,2-Tetrachloroethane	ND	ND	ND
1,1,2-Trichloroethane	ND	ND	ND
1,2,4-Trichlorobenzene	ND	ND	ND
1,2,4-Trimethylbenzene	44	45	39
1,3,5-Trimethylbenzene	12	13	11
2,2,4-Trimethylpentane	ND	ND	ND
Tertiary Butyl Alcohol	34.0	41.2	55.8
Tetrachloroethylene	31	25	ND
Tetrahydrofuran	ND	ND	ND
Toluene	9.4	15	8.3
Trichloroethylene	72.6	7.0	1.5
Trichlorofluoromethane	7.3	ND	5.2
Vinyl chloride	ND	ND	ND
Vinyl Acetate	ND	ND	ND
m,p-Xylene	27	36	24
o-Xylene	14	17	13
Xylenes (total)	40	53.4	37

*Notes:*  
All concentrations are shown in ug/m<sup>3</sup>-micrograms per cubic meter  
All samples collected over 2 hour period  
J - Indicates an estimated value  
a - Results is from Run #2  
ND - Not detected at or above reporting limits

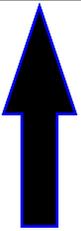
---

# FIGURES

---



Property



APPROX. SCALE (ft.)



0 24,000 48,000 N

Adapted from USGS 1995 Brooklyn Quadrangle Map.

**CA RICH CONSULTANTS, INC.**

Certified Ground Water and Environmental Specialists  
17 Dupont Street, Plainview, NY 11803

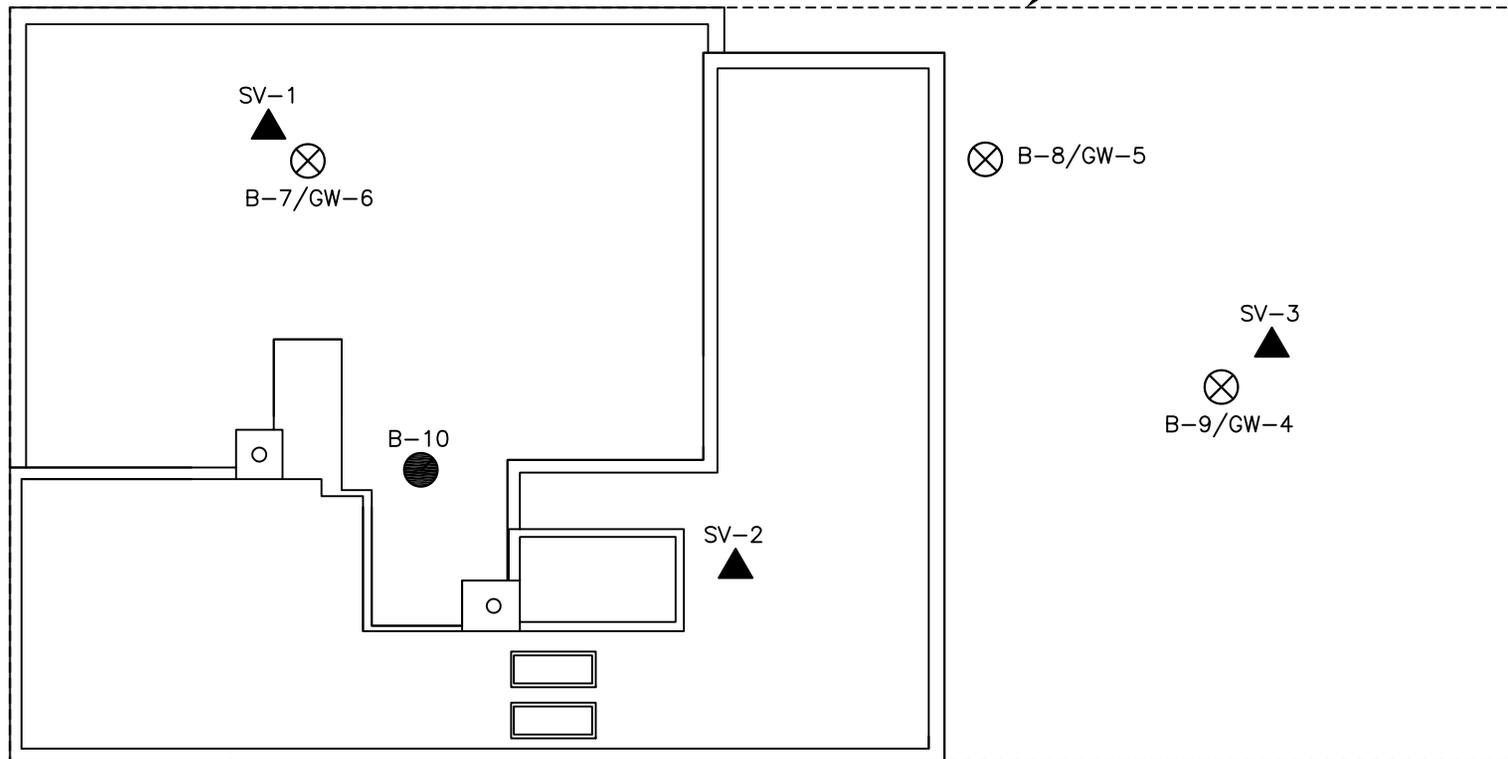
TITLE:		DATE:
Site LOCATION MAP		7/6/12
		SCALE:
FIGURE: 1		DRAWN BY: D.S.
DRAWING:		APPR. BY: STM
538 Union Avenue Brooklyn, New York		



WITHERS STREET

Approximate Property Boundary

UNION AVENUE



PROPOSED NEW BUILDING

PARKING LOT

2-STORY BUILDING



Graphic Scale in Feet

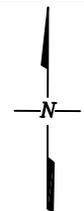
**LEGEND**

- Soil Boring Location
- ⊗ Combined Soil Boring and Temporary Groundwater Well Location
- ▲ Soil vapor point

**CA RICH CONSULTANTS, INC.**

Environmental Specialists Since 1982  
17 Dupont Street, Plainview, New York 11803

<b>TITLE:</b> Sample Location Map		<b>DATE:</b> 7/8/12
		<b>SCALE:</b> As Shown
<b>FIGURE:</b> 2	WITHERS OWNER, LLC 538 and 542 UNION AVENUE BROOKLYN, NEW YORK	<b>DRAWN BY:</b> S.T.M.
<b>DRAWING NO:</b> 2012-1		<b>APPR. BY:</b> D.S.



B-7 (0-2')			
<u>SVOCs</u>		<u>Metals</u>	
Benzo(a)anthracene	7,800	Arsenic	33.9
Benzo(a)pyrene	6,200	Barium	351
Benzo(b)fluoranthene	8,600	Copper	117
Benzo(k)fluoranthene	9,700	Lead	524
Chrysene	7,800	Mercury	4.34
Dibenzo(a,h)anthracene	1,100	Zinc	453
Indeno(1,2,3-cd)pyrene	3,800	<u>Pesticides</u>	
		4,4'-DDD	44
		4,4'-DDE	100
		4,4'-DDT	490

B-8 (0-2')			
<u>SVOCs</u>		<u>Metals</u>	
Benzo(a)anthracene	23,000	Arsenic	48.3
Benzo(a)pyrene	19,000	Barium	523
Benzo(b)fluoranthene	23,000	Cadmium	2.81
Benzo(k)fluoranthene	29,000	Chromium	32.8
Chrysene	25,000	Lead	1,320
Dibenzo(a,h)anthracene	3,100	Mercury	3.93
Indeno(1,2,3-cd)pyrene	8,600	<u>PCBs</u>	
		Aroclor 1260	150
		Aroclor 1268	140
<u>Pesticides</u>			
4,4'-DDD	300		
4,4'-DDE	180		
4,4'-DDT	890		

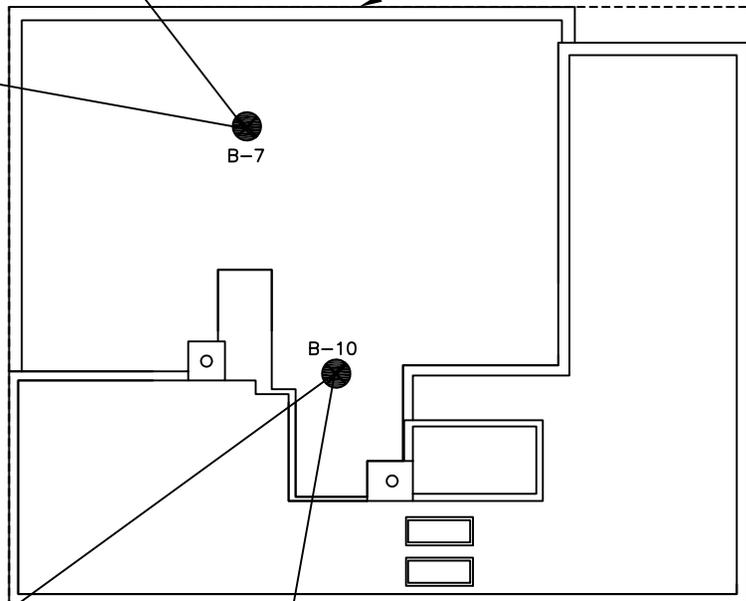
WITHERS STREET

Approximate Property Boundary

B-7 (2-4')	
<u>Metals</u>	
Lead	222
<u>Pesticides</u>	
4,4'-DDE	4.8
4,4'-DDT	20

B-8 (4-6')	
<u>Pesticides</u>	
4,4'-DDT	4.8

UNION AVENUE

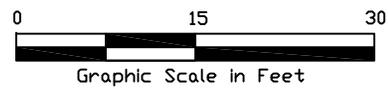


B-9 (0-2')	
<u>SVOCs</u>	
Benzo(a)anthracene	12,000
Benzo(a)pyrene	8,800
Benzo(b)fluoranthene	11,000
Benzo(k)fluoranthene	14,000
Chrysene	12,000
Dibenzo(a,h)anthracene	1,800
Indeno(1,2,3-cd)pyrene	6,400
<u>Metals</u>	
Arsenic	71.0
Copper	199
Lead	649
Mercury	24.5
Zinc	453
<u>Pesticides</u>	
4,4'-DDD	37
4,4'-DDE	28
4,4'-DDT	180

B-10 (0-2')			
<u>SVOCs</u>		<u>Metals</u>	
Benzo(a)anthracene	7,900	Arsenic	26.9
Benzo(a)pyrene	6,200	Barium	366
Benzo(b)fluoranthene	8,000	Copper	74.7
Benzo(k)fluoranthene	9,700	Lead	466
Chrysene	7,100	Mercury	10.7
Dibenzo(a,h)anthracene	1,400	Zinc	403
Indeno(1,2,3-cd)pyrene	3,300	<u>Pesticides</u>	
		4,4'-DDD	38
		4,4'-DDE	41
		4,4'-DDT	480
		Dieldrin	7.2

B-10 (2-4')			
<u>SVOCs</u>		<u>Metals</u>	
Benzo(a)anthracene	9,800	Barium	409
Benzo(a)pyrene	6,200	Lead	274
Benzo(b)fluoranthene	8,400	Mercury	1.64
Benzo(k)fluoranthene	9,300	Zinc	409
Chrysene	5,900	<u>Pesticides</u>	
Dibenzo(a,h)anthracene	1,200	4,4'-DDD	110
Indeno(1,2,3-cd)pyrene	4,500	4,4'-DDE	180
		4,4'-DDT	890
		Chlordane	790
		Dieldrin	17

PROPOSED NEW BUILDING

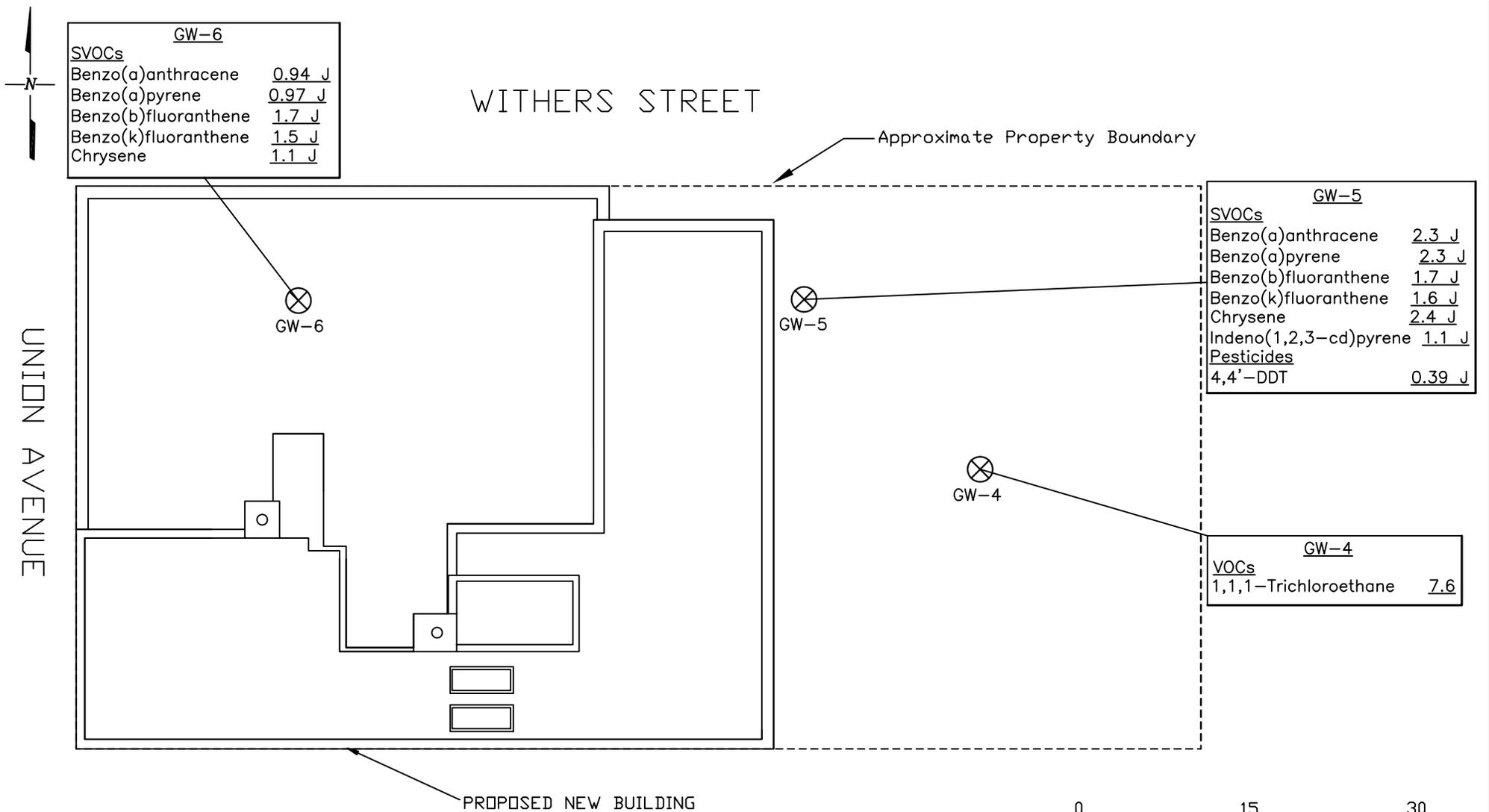


**LEGEND**

● Soil Boring location

- Notes:
- 1) SVOCs, Pesticides, and PCB concentrations in ug/kg or parts per billion
  - 2) Metal concentrations in mg/kg or parts per million
  - 3) Drawing Adapted From Kutnicki Bernstein Architects Site Plan Dated 1/17/08.

<b>CA RICH CONSULTANTS, INC.</b>			
Environmental Specialists Since 1982 17 Dupont Street, Plainview, New York 11803			
<b>TITLE:</b> Soil Sample Detections Above NYSDEC Part 375 Unrestricted SCO		<b>DATE:</b> 7/9/12	
<b>FIGURE:</b> 3		<b>SCALE:</b> As Shown	
<b>DRAWING NO.:</b> 2012-2		<b>DRAWN BY:</b> J.T.C./S.T.M.	
WITHERS OWNER, LLC 538 and 542 UNION AVENUE BROOKLYN, NEW YORK		<b>APPR BY:</b> D.S.	



GW-6	
SVOCs	
Benzo(a)anthracene	0.94 J
Benzo(a)pyrene	0.97 J
Benzo(b)fluoranthene	1.7 J
Benzo(k)fluoranthene	1.5 J
Chrysene	1.1 J

GW-5	
SVOCs	
Benzo(a)anthracene	2.3 J
Benzo(a)pyrene	2.3 J
Benzo(b)fluoranthene	1.7 J
Benzo(k)fluoranthene	1.6 J
Chrysene	2.4 J
Indeno(1,2,3-cd)pyrene	1.1 J
Pesticides	
4,4'-DDT	0.39 J

GW-4	
VOCs	
1,1,1-Trichloroethane	7.6

UNION AVENUE

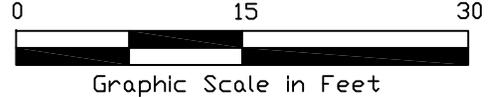
WITHERS STREET

Approximate Property Boundary

PROPOSED NEW BUILDING

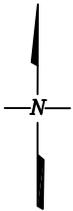
**LEGEND**

⊗ Groundwater Sample Location



- Notes:
- 1) All concentrations reported in ug/L or parts per billion (ppb)
  - 2) Drawing Adapted From Kutnicki Bernstein Architects Site Plan Dated 1/17/08.

<b>CA RICH CONSULTANTS, INC.</b>		
Environmental Specialists Since 1982 17 Dupont Street, Plainview, New York 11803		
<b>TITLE:</b> Groundwater Sample Detections Above NYSDEC TOGS		<b>DATE:</b> 5/12/2012
		<b>SCALE:</b> As Shown
<b>FIGURE:</b> 4	WITHERS OWNER, LLC 538 and 542 UNION AVENUE BROOKLYN, NEW YORK	<b>DRAWN BY:</b> J.T.C.
<b>DRAWING NO:</b> 2012-3		<b>APPR. BY:</b> D.S.

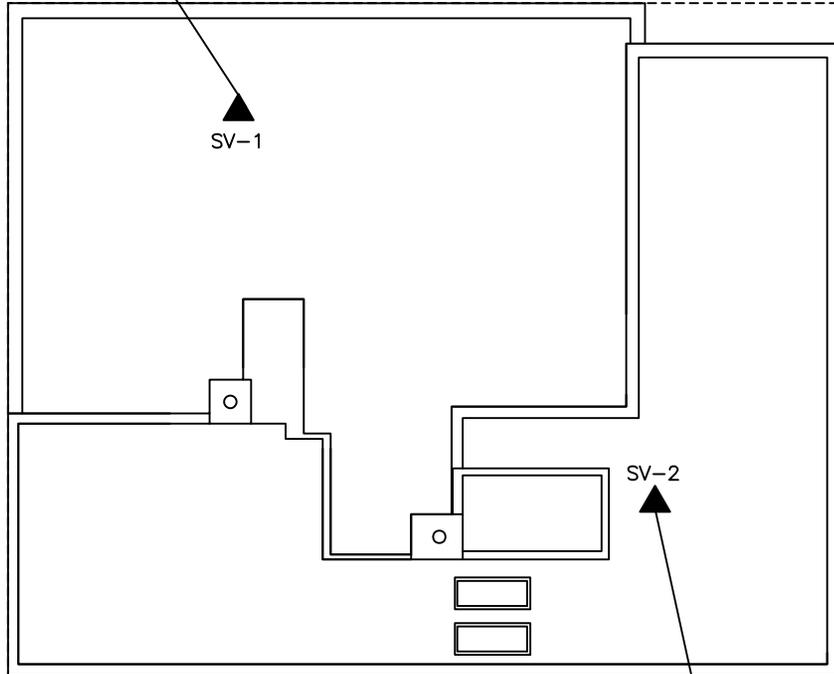


SV-1			
VOCs			
Acetone	1.120	Propylene	170
Chloroform	4.4	1,1,1-Trichloroethane	230
1,1-Dichloroethane	8.9	1,2,4-Trimethylbenzene	44
Dichlorodifluoromethane	3.2	1,3,5-Trimethylbenzene	12
Ethanol	73.5	Tertiary butyl alcohol	34.0
Ethylbenzene	6.1	Tetrachloroethylene	31
4-Ethyltoluene	6.4	Toluene	9.4
Heptane	17	Trichloroethylene	72.6
2-Hexanone	162	Trichlorofluoromethane	7.3
Isopropyl alcohol	93.4	m,p-Xylene	27
Methyl ethyl ketone	398	o-Xylene	13

WITHERS STREET

Approximate Property Boundary

UNION AVENUE



SV-3	
VOCs	
Acetone	1.850
Dichlorodifluoromethane	3.9
Ethanol	120
Ethylbenzene	5.6
4-Ethyltoluene	5.9
Heptane	20
2-Hexanone	202
Isopropyl alcohol	158
Methyl ethyl ketone	575
Propylene	234
1,1,1-Trichloroethane	111
1,2,4-Trimethylbenzene	39
1,3,5-Trimethylbenzene	11
Tertiary butyl alcohol	55.8
Tetrachloroethylene	12
Toluene	8.3
Trichloroethylene	1.5
Trichlorofluoromethane	5.2
m,p-Xylene	24
o-Xylene	13

PROPOSED NEW BUILDING

SV-2			
VOCs			
Acetone	1.300	Methyl ethyl ketone	36.3
Benzene	1.5	Propylene	204
Chloroform	3.3	1,1,1-Trichloroethane	35
1,1-Dichloroethane	5.7	1,2,4-Trimethylbenzene	45
Dichlorodifluoromethane	3.3	1,3,5-Trimethylbenzene	13
Ethanol	88.4	Tertiary butyl alcohol	41.2
Ethylbenzene	8.7	Tetrachloroethylene	25
4-Ethyltoluene	7.4	Toluene	15
Heptane	17	Trichloroethylene	7.0
Hexane	10	m,p-Xylene	36
2-Hexanone	148	o-Xylene	17
Isopropyl alcohol	127		

SV-3



LEGEND

▲ Soil Vapor Point

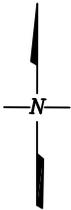
Notes:

- 1) All concentrations reported in ug/m<sup>3</sup>
- 2) Drawing Adapted From Kutnicki Bernstein Architects Site Plan Dated 1/17/08.

CA RICH CONSULTANTS, INC.

Environmental Specialists Since 1982  
17 Dupont Street, Plainview, New York 11803

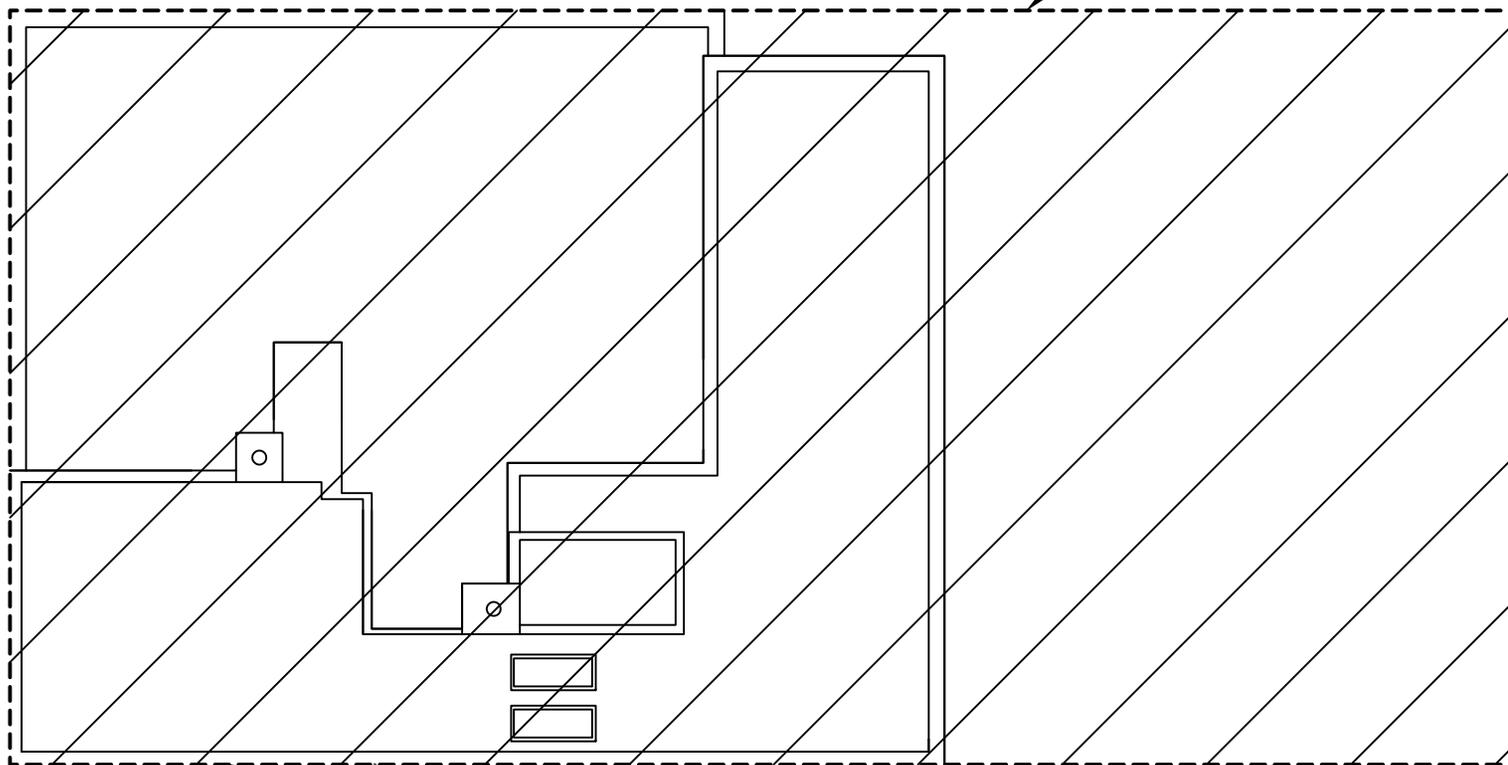
TITLE: Volatile Organic Compounds Detected in Soil Vapor		DATE: 5/12/2012
FIGURE: 5		SCALE: As Shown
DRAWING NO: 2012-4	WITHERS OWNER, LLC 538 and 542 UNION AVENUE BROOKLYN, NEW YORK	DRAWN BY: J.T.C. APPR. BY: D.S.



WITHERS STREET

Approximate Property Boundary  
is Extent of Area of Concern

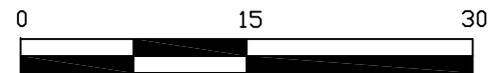
UNION AVENUE



2-STORY BUILDING

PROPOSED NEW BUILDING

PARKING LOT



Graphic Scale in Feet

LEGEND



Areas of Concern

**CA RICH CONSULTANTS, INC.**

Environmental Specialists Since 1982  
17 Dupont Street, Plainview, New York 11803

<b>TITLE:</b> Area of Concern		<b>DATE:</b> 7/9/2012
		<b>SCALE:</b> As Shown
<b>FIGURE:</b> 6	WITHERS OWNER, LLC 538 and 542 UNION AVENUE BROOKLYN, NEW YORK	<b>DRAWN BY:</b> J.T.C.
<b>DRAWING NO.:</b> 2012-5		<b>APPR. BY:</b> D.S.

---

# **APPENDIX A**

**Phase I ESA (electronic file)**

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# **APPENDIX B**

## **Soil Boring Logs**

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# CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

# FIELD BORING LOG

BOREHOLE NO.: **B-7**

TOTAL DEPTH: **8 ft**

## PROJECT INFORMATION

## DRILLING INFORMATION

PROJECT: **538 Union Avenue**  
 SITE LOCATION: **Brooklyn, New York**  
 JOB NO.: **Withers-538 Union Ave**  
 LOGGED BY: **Jessica Proscia**  
 PROJECT MANAGER: **Deborah Shapiro**  
 DATES DRILLED: **4/25/2012**

DRILLING CO.: **Eastern Environmental**  
 DRILLER: **Edmond**  
 RIG TYPE: **Geoprobe**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **Core Samples**  
 HAMMER WT./DROP **Push**

☒ Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0	Dark brown medium grain sand, some wood and brick			B-7 (0-2')	0.0	
1						
2	Tan silty sand		Groundwater sample was obtained through a one-inch temporary well. See note below.	B-7 (2-4')	0.0	
3						
4						
5	Tan silty sand		Groundwater sample was obtained through a one-inch temporary well. See note below.	GW-6	0.0	
6						
7						
8						

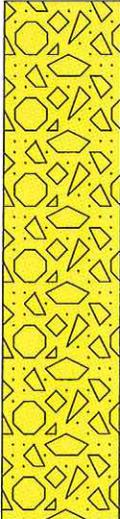
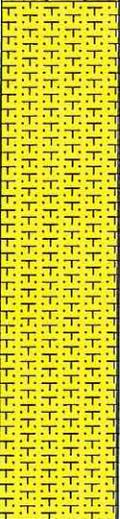
NOTES: Temporary well screen was installed ten feet into groundwater.

**FIELD BORING LOG**

BOREHOLE NO.: **B-8**  
 TOTAL DEPTH: **8 ft**

PROJECT INFORMATION		DRILLING INFORMATION	
PROJECT:	<b>538 Union Avenue</b>	DRILLING CO.:	<b>Eastern Environmental</b>
SITE LOCATION:	<b>Brooklyn, New York</b>	DRILLER:	<b>Edmond</b>
JOB NO.:	<b>Withers-538 Union Ave</b>	RIG TYPE:	<b>Geoprobe</b>
LOGGED BY:	<b>Jessica Proscia</b>	METHOD OF DRILLING:	<b>Direct Push</b>
PROJECT MANAGER:	<b>Deborah Shapiro</b>	SAMPLING METHODS:	<b>Core Samples</b>
DATES DRILLED:	<b>4/25/2012</b>	HAMMER WT./DROP	<b>Push</b>

∞ Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Dark brown medium grain sand, some wood and brick		B-8 (0-2')		0.0
1						
2						
3						
4		Tan silty sand	Groundwater sample was obtained through a one-inch temporary well. See note below.	B-8 (4-6')		0.0
5						
6						
7						
8				GW-5		

NOTES: Temporary well screen was installed ten feet into groundwater.

# CA RICH Consultants, Inc.

Environmental Specialists

17 Dupont Street, Plainview, NY 11803

## FIELD BORING LOG

BOREHOLE NO.: **B-9**

TOTAL DEPTH: **8 ft**

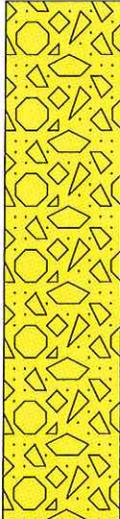
### PROJECT INFORMATION

### DRILLING INFORMATION

PROJECT: **538 Union Avenue**  
 SITE LOCATION: **Brooklyn, New York**  
 JOB NO.: **Withers-538 Union Ave**  
 LOGGED BY: **Jessica Proscia**  
 PROJECT MANAGER: **Deborah Shapiro**  
 DATES DRILLED: **4/25/2012**

DRILLING CO.: **Eastern Environmental**  
 DRILLER: **Edmond**  
 RIG TYPE: **Geoprobe**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **Core Samples**  
 HAMMER WT./DROP: **Push**

☒ Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Dark brown medium grain sand, some wood, brick, and concrete.		B-9 (0-2')		0.0
1						
2						
3		Tan silty sand		B-9 (4-6')		0.0
4						
5						
6						
7			Groundwater sample was obtained through a one-inch temporary well. See note below.	GW-7		
8						

NOTES: Temporary well screen was installed ten feet into groundwater.

BOREHOLE NO.: **B-10**

TOTAL DEPTH: **4 ft**

**PROJECT INFORMATION**

**DRILLING INFORMATION**

PROJECT: **538 Union Avenue**  
 SITE LOCATION: **Brooklyn, New York**  
 JOB NO.: **Withers-538 Union Ave**  
 LOGGED BY: **Jessica Proscia**  
 PROJECT MANAGER: **Deborah Shapiro**  
 DATES DRILLED: **4/25/2012**

DRILLING CO.: **Eastern Environmental**  
 DRILLER: **Edmond**  
 RIG TYPE: **Geoprobe**  
 METHOD OF DRILLING: **Direct Push**  
 SAMPLING METHODS: **Core Samples**  
 HAMMER WT./DROP **Push**

☒ Water level in boring

DEPTH	SOIL TYPE	SOIL DESCRIPTION	COMMENTS	SAMPLE	Blows per ft.	PID ppm
0		Dark brown medium grain sand with brick and concrete				
1				B-10 (0-2')	0.0	
2					0.0	
3				B-10 (2-4')		0.0
4						

NOTES:

---

## **APPENDIX C**

**Laboratory Analytical Results (electronic file)**

---

Monday, May 07, 2012

Jessica Proscia  
CA Rich Consultants Inc.  
17 Dupont Street  
Plainview, NY 11803

TEL: (516) 576-8844  
FAX (516) 576-0093

RE: 538 Union Avenue, Brooklyn, NY

Order No.: 1204234

Dear Jessica Proscia:

American Analytical Laboratories, LLC. received 13 sample(s) on 4/26/2012 for the analyses presented in the following report.

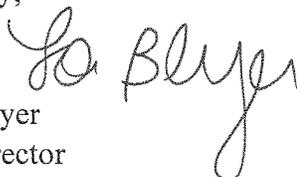
Samples were analyzed in accordance with the test procedures documented on the chain of custody and detailed throughout the text of this report.

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. This package has been reviewed by American Analytical Laboratories' QA Department/Laboratory Director to comply with NELAC standards prior to report submittal. This report consists of 168 pages.

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

**CLIENT:** CA Rich Consultants Inc.  
**Project:** 538 Union Avenue, Brooklyn, NY  
**Lab Order:** 1204234

**Work Order Sample Summary**

Lab Sample ID	Client Sample ID	Date Collected	Date Received
1204234-01A	B-7 (0-2ft)	4/25/2012 11:02:00 AM	4/26/2012
1204234-01B	B-7 (0-2ft)	4/25/2012 11:02:00 AM	4/26/2012
1204234-02A	B-7 (4-24ft)	4/25/2012 11:10:00 AM	4/26/2012
1204234-02B	B-7 (4-24ft)	4/25/2012 11:10:00 AM	4/26/2012
1204234-03A	B-8 (0-2ft)	4/25/2012 9:55:00 AM	4/26/2012
1204234-03B	B-8 (0-2ft)	4/25/2012 9:55:00 AM	4/26/2012
1204234-04A	B-8 (4-6ft)	4/25/2012 10:05:00 AM	4/26/2012
1204234-04B	B-8 (4-6ft)	4/25/2012 10:05:00 AM	4/26/2012
1204234-05A	B-9 (0-2ft)	4/25/2012 8:37:00 AM	4/26/2012
1204234-05B	B-9 (0-2ft)	4/25/2012 8:37:00 AM	4/26/2012
1204234-06A	B-9 (4-6ft)	4/25/2012 8:41:00 AM	4/26/2012
1204234-06B	B-9 (4-6ft)	4/25/2012 8:41:00 AM	4/26/2012
1204234-07A	B-10 (0-2ft)	4/25/2012 1:00:00 PM	4/26/2012
1204234-07B	B-10 (0-2ft)	4/25/2012 1:00:00 PM	4/26/2012
1204234-08A	B-10 (2-4ft)	4/25/2012 1:15:00 PM	4/26/2012
1204234-08B	B-10 (2-4ft)	4/25/2012 1:15:00 PM	4/26/2012
1204234-09A	GW-4	4/25/2012 2:00:00 PM	4/26/2012
1204234-09B	GW-4	4/25/2012 2:00:00 PM	4/26/2012
1204234-09C	GW-4	4/25/2012 2:00:00 PM	4/26/2012
1204234-09D	GW-4	4/25/2012 2:00:00 PM	4/26/2012
1204234-09E	GW-4	4/25/2012 2:00:00 PM	4/26/2012
1204234-09F	GW-4	4/25/2012 2:00:00 PM	4/26/2012
1204234-10A	GW-5	4/25/2012 10:15:00 AM	4/26/2012
1204234-10B	GW-5	4/25/2012 10:15:00 AM	4/26/2012
1204234-10C	GW-5	4/25/2012 10:15:00 AM	4/26/2012
1204234-10D	GW-5	4/25/2012 10:15:00 AM	4/26/2012
1204234-10E	GW-5	4/25/2012 10:15:00 AM	4/26/2012
1204234-10F	GW-5	4/25/2012 10:15:00 AM	4/26/2012
1204234-11A	GW-6	4/25/2012 11:30:00 AM	4/26/2012
1204234-11B	GW-6	4/25/2012 11:30:00 AM	4/26/2012
1204234-11C	GW-6	4/25/2012 11:30:00 AM	4/26/2012
1204234-11D	GW-6	4/25/2012 11:30:00 AM	4/26/2012
1204234-11E	GW-6	4/25/2012 11:30:00 AM	4/26/2012
1204234-11F	GW-6	4/25/2012 11:30:00 AM	4/26/2012
1204234-12A	FB 4/25/12	4/25/2012 2:20:00 PM	4/26/2012
1204234-12B	FB 4/25/12	4/25/2012 2:20:00 PM	4/26/2012

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**CLIENT:** CA Rich Consultants Inc.  
**Project:** 538 Union Avenue, Brooklyn, NY  
**Lab Order:** 1204234

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**Work Order Sample Summary**

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<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Date Collected</b>	<b>Date Received</b>
1204234-12C	FB 4/25/12	4/25/2012 2:20:00 PM	4/26/2012
1204234-12D	FB 4/25/12	4/25/2012 2:20:00 PM	4/26/2012
1204234-12E	FB 4/25/12	4/25/2012 2:20:00 PM	4/26/2012
1204234-13A	TB	4/25/2012	4/26/2012



# CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: **Carich Consultants, Inc**  
**17 Dupont St**  
**Plainville, NY**

CONTACT: **Jessica Proscia**  
**(516) 576-8844**

SAMPLER (SIGNATURE): *[Signature]*

SAMPLER NAME (PRINT): **Jessica Proscia**

SAMPLE(S) SEALED: YES / NO **YES / NO**

CORRECT CONTAINER(S): YES / NO **YES / NO**

TEMPERATURE (°C): **2.7**

PROJECT LOCATION: **538 Union Avenue**  
**Brooklyn, NY**

LABORATORY ID# LAB USE ONLY	MATRIX/ TYPE	NO. OF CONTAINERS	SAMPLING DATE	SAMPLING TIME	SAMPLE # - LOCATION	ANALYSIS REQUIRED	YES	NO
1204234-01AB	S	2	4/25/12	11:02	B-7 (0-2ft)	X	X	
02AB	S	2	4/25/12	11:10	B-7 (0-4ft)	X	X	
03AB	S	2	4/25/12	9:55am	B-8 (0-2ft)	X	X	
04AB	S	2	4/25/12	10:05	B-8 (4-6ft)	X	X	
05AB	S	2	4/25/12	8:32am	B-9 (0-2ft)	X	X	
06AB	S	2	4/25/12	8:41am	B-9 (4-6ft)	X	X	
07AB	S	2	4/25/12	1pm	B-10 (0-2ft)	X	X	
08AB	S	2	4/25/12	1:55pm	B-10 (2-4ft)	X	X	
09A-F	W	7	4/25/12	2:00pm	GW-4	X	X	
10A-F	W	7	4/25/12	10:15	GW-5	X	X	
11A-F	W	7	4/25/12	11:30	GW-6	X	X	
12A-E FB		6	4/25/12	2:20	FB 4/25/12	X	X	
COMMENTS / INSTRUCTIONS	-BA							

Specs required  
 Metals Total  
 Metals Individual  
 PCBs  
 VOCs

Samples must be on ICE (<6° C)

MATRIX S=SOIL; W=WATER; SL=SLUDGE; A=AIR; M=MISCELLANEOUS  
 TYPE G=GRAB; C=COMPOSITE

TURNAROUND REQUIRED: STANDARD  STAT  BY / /

E-MAIL ADDRESS FOR RESULTS: **Jproscia@carichinc.com**

RECEIVED BY LAB (SIGNATURE): *[Signature]* RECEIVED BY LAB (SIGNATURE): *[Signature]*

DATE: **4-26-12** DATE: **4/26/12**

TIME: **10:20** TIME: **10:40**

PRINTED NAME: **Jessica Proscia** PRINTED NAME: **C Dunn**

RECEIVED BY LAB (SIGNATURE): *[Signature]* RECEIVED BY LAB (SIGNATURE): *[Signature]*

DATE: **4-26-12** DATE: **4/26/12**

TIME: **10:40** TIME: **10:40**

PRINTED NAME: **C D Dunn** PRINTED NAME: **Debra**

WHITE OFFICE / CANARY-LAB / PINK-SAMPLE CUSTODIAN / GOLDENROD-CLIENT

American Analytical Laboratories, LLC.

Sample Receipt Checklist

Client Name CA RICH

Date and Time Receive 4/26/2012 11:52:01 AM

Work Order Number 1204234

RcptNo: 1

Received by CD

COC\_ID:

CoolerID:

Checklist completed by

Signature: Chenora Date: 4/26/12

Reviewed by

Initials: YB Date: 4/26/12

Matrix:

Carrier name AAL

- Shipping container/cooler in good condition? Yes  No  Not Presen
- Custody seals intact on shipping container/cooler? Yes  No  Not Presen
- Custody seals intact on sample bottles? Yes  No  Not Presen
- Chain of custody present? Yes  No
- Chain of custody signed when relinquished and received? Yes  No
- Chain of custody agrees with sample labels? Yes  No
- Samples in proper container/bottle? Yes  No
- Sample containers intact? Yes  No
- Sufficient sample volume for indicated test? Yes  No
- All samples received within holding time? Yes  No
- Container/Temp Blank temperature in compliance? Yes  No
- Water - VOA vials have zero headspace? Yes  No VOA vials submitted  Yes  No
- Water - pH acceptable upon receipt? Yes  No  N/A

Adjusted? \_\_\_\_\_ Checked b \_\_\_\_\_

Any No and/or NA (not applicable) response must be detailed in the comments section be

Client contacted \_\_\_\_\_ Date contacted: \_\_\_\_\_ Person contacted \_\_\_\_\_

Contacted by: \_\_\_\_\_ Regarding: \_\_\_\_\_

Comments:

Corrective Action \_\_\_\_\_

---

**CLIENT:** CA Rich Consultants Inc.  
**Project:** 538 Union Avenue, Brooklyn, NY  
**Lab Order:** 1204234

**CASE NARRATIVE**

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The degradation standard for the pesticide analysis (26.65 and 36.72%) is slightly outside acceptance limits due to matrix interferences. CCV for pesticides met QC requirements for all compounds.

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: B-7 (0-2ft)  
 Lab Order: 1204234 Collection Date: 4/25/2012 11:02:00 AM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: SOIL  
 Lab ID: 1204234-01A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C		Analyst: LA		
1,1,1,2-Tetrachloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,1,1-Trichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,1,2,2-Tetrachloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,1,2-Trichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,1-Dichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,1-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,1-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2,3-Trichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2,3-Trichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2,4,5-Tetramethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2,4-Trichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2,4-Trimethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2-Dibromo-3-chloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2-Dibromoethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2-Dichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,2-Dichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,3,5-Trimethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,3-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,3-dichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,4-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
1,4-Dioxane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
2,2-Dichloropropane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:02:00 PM
2-Butanone	U	1.7	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
2-Chloroethyl vinyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
2-Chlorotoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
2-Hexanone	U	1.7	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
2-Propanol	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
4-Chlorotoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
4-Isopropyltoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
4-Methyl-2-pentanone	U	1.7	5.8	C	µg/Kg-dry	1	4/27/2012 5:02:00 PM
Acetone	U	1.7	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM

American Analytical Laboratories, LLC., 56 Toledo Street, Farmingdale, NY, Zip - 11735

Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com



<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-7 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:02:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-01A	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Acrolein	U	2.9	12	C	µg/Kg-dry	1	4/27/2012 5:02:00 PM
Acrylonitrile	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Benzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Bromobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Bromochloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Bromodichloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Bromoform	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Bromomethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Carbon disulfide	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Carbon tetrachloride	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Chlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Chlorodifluoromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Chloroethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:02:00 PM
Chloroform	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Chloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
cis-1,2-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
cis-1,3-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Dibromochloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Dibromomethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Dichlorodifluoromethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:02:00 PM
Diisopropyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Ethanol	U	2.9	12		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Ethyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Ethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Freon-114	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:02:00 PM
Hexachlorobutadiene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Isopropyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Isopropylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
m,p-Xylene	U	1.2	12		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Methyl Acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Methyl tert-butyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Methylene chloride	9.6	0.58	5.8	B	µg/Kg-dry	1	4/27/2012 5:02:00 PM
n-Amyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	B-7 (0-2ft)
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 11:02:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1204234-01A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Naphthalene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
n-Butyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
n-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
n-Propyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
n-Propylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
o-Xylene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
p-Diethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
p-Ethyltoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
sec-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Styrene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
t-Butyl alcohol	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
tert-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Tetrachloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Toluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
trans-1,2-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
trans-1,3-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Trichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Trichlorofluoromethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:02:00 PM
Vinyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Vinyl chloride	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:02:00 PM
Surr: 4-Bromofluorobenzene	81.4	0	42-133		%REC	1	4/27/2012 5:02:00 PM
Surr: Dibromofluoromethane	91.5	0	50-133		%REC	1	4/27/2012 5:02:00 PM
Surr: Toluene-d8	90.8	0	53-130		%REC	1	4/27/2012 5:02:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-7 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:02:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-01B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>			<b>SW7471B</b>		<b>SW7471B</b>		<b>Analyst: JP</b>
Mercury	4.34	0.13	0.254		mg/Kg-dry	25	5/1/2012 2:51:39 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>			<b>SW8082A</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
Aroclor 1016	U	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Aroclor 1221	U	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Aroclor 1232	U	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Aroclor 1242	U	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Aroclor 1248	U	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Aroclor 1254	U	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Aroclor 1260	51	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Aroclor 1262	U	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Aroclor 1268	U	1.46	2.9		µg/Kg-dry	1	5/3/2012 3:17:00 AM
Surr: TCX	120	0	17-151		%REC	1	5/3/2012 3:17:00 AM
Surr: DCB	134	0	16-152		%REC	1	5/3/2012 3:17:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
4,4'-DDD	44	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
4,4'-DDE	100	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
4,4'-DDT	490	2.34	9.4		µg/Kg-dry	20	5/4/2012 10:45:00 AM
Aldrin	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
alpha-BHC	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
beta-BHC	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Chlordane	U	0.29	1.2		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Chlorobenzilate	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
DBCP	U	0.23	0.94		µg/Kg-dry	1	5/2/2012 5:03:00 PM
delta-BHC	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Dieldrin	2.8	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Endosulfan I	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Endosulfan II	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Endosulfan sulfate	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Endrin	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Endrin aldehyde	U	0.23	0.94	C	µg/Kg-dry	1	5/2/2012 5:03:00 PM
Endrin ketone	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
gamma-BHC	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM

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<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	C Calibration %RSD/%D exceeded for non-CCC analytes
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: B-7 (0-2ft)  
 Lab Order: 1204234 Collection Date: 4/25/2012 11:02:00 AM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: SOIL  
 Lab ID: 1204234-01B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3550C</b>		Analyst: <b>SB</b>
Heptachlor	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Heptachlor epoxide	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Hexachlorobenzene	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Hexachlorocyclopentadiene	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Methoxychlor	8.7	0.12	0.47		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Toxaphene	U	2.93	12		µg/Kg-dry	1	5/2/2012 5:03:00 PM
Surr: DCB	122	0	23-157		%REC	1	5/2/2012 5:03:00 PM
Surr: DCB	197	0	23-157	S	%REC	20	5/4/2012 10:45:00 AM
Surr: TCX	139	0	21-151		%REC	20	5/4/2012 10:45:00 AM
Surr: TCX	76.3	0	21-151		%REC	1	5/2/2012 5:03:00 PM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				Analyst: <b>CF</b>
Percent Moisture	15.9	0	0		wt%	1	5/1/2012
<b>TARGET ANALYTE LIST METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: <b>JP</b>
Aluminum	4180	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Antimony	U	0.22	0.561		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Arsenic	33.9	0.22	0.561		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Barium	351	0.22	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Beryllium	U	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Cadmium	1.25	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Calcium	6270	0.22	0.561		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Chromium	20.4	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Cobalt	U	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Copper	117	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Iron	20500	2.24	4.48		mg/Kg-dry	10	5/1/2012 11:21:04 AM
Lead	524	0.22	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Magnesium	1310	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Manganese	224	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Nickel	15.9	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Potassium	785	0.22	0.561		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Selenium	0.423	0.22	0.561	J	mg/Kg-dry	1	5/1/2012 10:11:07 AM
Silver	0.322	0.11	0.448	J	mg/Kg-dry	1	5/1/2012 10:11:07 AM
Sodium	273	0.22	0.561		mg/Kg-dry	1	5/1/2012 10:11:07 AM

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**Qualifiers:**

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LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: B-7 (0-2ft)  
 Lab Order: 1204234 Collection Date: 4/25/2012 11:02:00 AM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: SOIL  
 Lab ID: 1204234-01B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TARGET ANALYTE LIST METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		<b>Analyst: JP</b>
Thallium	U	0.34	0.561		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Vanadium	23.3	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
Zinc	453	0.11	0.448		mg/Kg-dry	1	5/1/2012 10:11:07 AM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
1,2,4-Trichlorobenzene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
1,2-Dichlorobenzene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
1,3-Dichlorobenzene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
1,4-Dichlorobenzene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2,4,5-Trichlorophenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2,4,6-Trichlorophenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2,4-Dichlorophenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2,4-Dimethylphenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2,4-Dinitrophenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2,4-Dinitrotoluene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2,6-Dinitrotoluene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2-Chloronaphthalene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2-Chlorophenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2-Methylnaphthalene	110	29.3	290	J	µg/Kg-dry	1	5/1/2012 11:19:00 PM
2-Methylphenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2-Nitroaniline	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
2-Nitrophenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
3,3'-Dichlorobenzidine	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
3+4-Methylphenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
3-Nitroaniline	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
4,6-Dinitro-2-methylphenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
4-Bromophenyl phenyl ether	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
4-Chloro-3-methylphenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
4-Chloroaniline	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
4-Chlorophenyl phenyl ether	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
4-Nitroaniline	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
4-Nitrophenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Acenaphthene	760	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-7 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:02:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-01B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Acenaphthylene	140	29.3	290	J	µg/Kg-dry	1	5/1/2012 11:19:00 PM
Acetophenone	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Aniline	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Anthracene	10000	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Atrazine	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Azobenzene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Benzaldehyde	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Benzdine	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Benzo(a)anthracene	7800	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Benzo(a)pyrene	6200	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Benzo(b)fluoranthene	8600	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Benzo(g,h,i)perylene	3200	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Benzo(k)fluoranthene	9700	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Benzoic acid	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Benzyl alcohol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Biphenyl	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Bis(2-chloroethoxy)methane	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Bis(2-chloroethyl)ether	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Bis(2-chloroisopropyl)ether	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Bis(2-ethylhexyl)phthalate	490	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Butyl benzyl phthalate	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Caprolactam	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Carbazole	700	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Chrysene	7800	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Dibenzo(a,h)anthracene	1100	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Dibenzofuran	410	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Diethyl phthalate	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Dimethyl phthalate	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Di-n-butyl phthalate	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Di-n-octyl phthalate	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Fluoranthene	16000	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Fluorene	600	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Hexachlorobenzene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
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**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-7 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:02:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-01B	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Hexachlorobutadiene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Hexachlorocyclopentadiene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Hexachloroethane	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Indeno(1,2,3-c,d)pyrene	3800	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Isophorone	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Naphthalene	230	29.3	290	J	µg/Kg-dry	1	5/1/2012 11:19:00 PM
Nitrobenzene	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
N-Nitrosodimethylamine	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
N-Nitrosodi-n-propylamine	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
N-Nitrosodiphenylamine	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Parathion	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Pentachlorophenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Phenanthrene	11000	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Phenol	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Pyrene	16000	293	2900		µg/Kg-dry	10	5/2/2012 2:06:00 PM
Pyridine	U	29.3	290		µg/Kg-dry	1	5/1/2012 11:19:00 PM
Surr: 2,4,6-Tribromophenol	123	0	21-119	S	%REC	1	5/1/2012 11:19:00 PM
Surr: 2,4,6-Tribromophenol	119	0	21-119	S	%REC	10	5/2/2012 2:06:00 PM
Surr: 2-Fluorobiphenyl	103	0	21-117		%REC	1	5/1/2012 11:19:00 PM
Surr: 2-Fluorobiphenyl	80.3	0	21-117		%REC	10	5/2/2012 2:06:00 PM
Surr: 2-Fluorophenol	38.7	0	11-105		%REC	1	5/1/2012 11:19:00 PM
Surr: 2-Fluorophenol	22.3	0	11-105		%REC	10	5/2/2012 2:06:00 PM
Surr: 4-Terphenyl-d14	85.9	0	21-132		%REC	1	5/1/2012 11:19:00 PM
Surr: 4-Terphenyl-d14	82.7	0	21-132		%REC	10	5/2/2012 2:06:00 PM
Surr: Nitrobenzene-d5	88.5	0	18-116		%REC	1	5/1/2012 11:19:00 PM
Surr: Nitrobenzene-d5	58.1	0	18-116		%REC	10	5/2/2012 2:06:00 PM
Surr: Phenol-d6	50.0	0	12-110		%REC	1	5/1/2012 11:19:00 PM
Surr: Phenol-d6	37.7	0	12-110		%REC	10	5/2/2012 2:06:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-7 (4-24ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:10:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-02A	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
1,1,1,2-Tetrachloroethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,1,1-Trichloroethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,1,2,2-Tetrachloroethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,1,2-Trichloroethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,1-Dichloroethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,1-Dichloroethene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,1-Dichloropropene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2,3-Trichlorobenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2,3-Trichloropropane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2,4,5-Tetramethylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2,4-Trichlorobenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2,4-Trimethylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2-Dibromo-3-chloropropane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2-Dibromoethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2-Dichlorobenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2-Dichloroethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,2-Dichloropropane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,3,5-Trimethylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,3-Dichlorobenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,3-dichloropropane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,4-Dichlorobenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
1,4-Dioxane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
2,2-Dichloropropane	U	0.57	5.7	C	µg/Kg-dry	1	4/27/2012 11:10:00 PM
2-Butanone	U	1.7	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
2-Chloroethyl vinyl ether	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
2-Chlorotoluene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
2-Hexanone	U	1.7	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
2-Propanol	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
4-Chlorotoluene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
4-Isopropyltoluene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
4-Methyl-2-pentanone	U	1.7	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Acetone	U	1.7	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM

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<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	C Calibration %RSD/%D exceeded for non-CCC analytes
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-02A

Client Sample ID: B-7 (4-24ft)  
 Collection Date: 4/25/2012 11:10:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Acrolein	U	2.9	11	C	µg/Kg-dry	1	4/27/2012 11:10:00 PM
Acrylonitrile	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Benzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Bromobenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Bromochloromethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Bromodichloromethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Bromoform	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Bromomethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Carbon disulfide	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Carbon tetrachloride	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Chlorobenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Chlorodifluoromethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Chloroethane	U	0.57	5.7	C	µg/Kg-dry	1	4/27/2012 11:10:00 PM
Chloroform	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Chloromethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
cis-1,2-Dichloroethene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
cis-1,3-Dichloropropene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Dibromochloromethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Dibromomethane	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Dichlorodifluoromethane	U	0.57	5.7	C	µg/Kg-dry	1	4/27/2012 11:10:00 PM
Diisopropyl ether	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Ethanol	U	2.9	11		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Ethyl acetate	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Ethylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Freon-114	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Hexachlorobutadiene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Isopropyl acetate	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Isopropylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
m,p-Xylene	U	1.1	11		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Methyl Acetate	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Methyl tert-butyl ether	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Methylene chloride	8.6	0.57	5.7	B	µg/Kg-dry	1	4/27/2012 11:10:00 PM
n-Amyl acetate	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	B-7 (4-24ft)
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 11:10:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1204234-02A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Naphthalene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
n-Butyl acetate	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
n-Butylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
n-Propyl acetate	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
n-Propylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
o-Xylene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
p-Diethylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
p-Ethyltoluene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
sec-Butylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Styrene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
t-Butyl alcohol	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
tert-Butylbenzene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Tetrachloroethene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Toluene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
trans-1,2-Dichloroethene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
trans-1,3-Dichloropropene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Trichloroethene	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Trichlorofluoromethane	U	0.57	5.7	C	µg/Kg-dry	1	4/27/2012 11:10:00 PM
Vinyl acetate	U	0.57	5.7		µg/Kg-dry	1	4/27/2012 11:10:00 PM
Vinyl chloride	U	0.57	5.7	C	µg/Kg-dry	1	4/27/2012 11:10:00 PM
Surr: 4-Bromofluorobenzene	79.8	0	42-133		%REC	1	4/27/2012 11:10:00 PM
Surr: Dibromofluoromethane	91.3	0	50-133		%REC	1	4/27/2012 11:10:00 PM
Surr: Toluene-d8	94.1	0	53-130		%REC	1	4/27/2012 11:10:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-7 (4-24ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:10:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-02B	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.126	0.005	0.0104		mg/Kg-dry	1	5/1/2012 1:52:30 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
Aroclor 1016	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Aroclor 1221	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Aroclor 1232	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Aroclor 1242	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Aroclor 1248	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Aroclor 1254	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Aroclor 1260	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Aroclor 1262	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Aroclor 1268	U	1.42	2.8		µg/Kg-dry	1	5/3/2012 4:29:00 AM
Surr: TCX	116	0	17-151		%REC	1	5/3/2012 4:29:00 AM
Surr: DCB	118	0	16-152		%REC	1	5/3/2012 4:29:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
4,4'-DDD	3.1	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
4,4'-DDE	4.8	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
4,4'-DDT	20	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Aldrin	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
alpha-BHC	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
beta-BHC	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Chlordane	U	0.28	1.1		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Chlorobenzilate	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
DBCP	U	0.23	0.91		µg/Kg-dry	1	5/2/2012 5:17:00 PM
delta-BHC	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Dieldrin	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Endosulfan I	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Endosulfan II	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Endosulfan sulfate	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Endrin	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Endrin aldehyde	U	0.23	0.91	C	µg/Kg-dry	1	5/2/2012 5:17:00 PM
Endrin ketone	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
gamma-BHC	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM

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	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-7 (4-24ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:10:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-02B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
Heptachlor	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Heptachlor epoxide	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Hexachlorobenzene	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Hexachlorocyclopentadiene	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Methoxychlor	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Toxaphene	U	2.84	11		µg/Kg-dry	1	5/2/2012 5:17:00 PM
Surr: DCB	117	0	23-157		%REC	1	5/2/2012 5:17:00 PM
Surr: TCX	110	0	21-151		%REC	1	5/2/2012 5:17:00 PM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				<b>Analyst: CF</b>
Percent Moisture	15.5	0	0		wt%	1	5/1/2012
<b>TARGET ANALYTE LIST METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		<b>Analyst: JP</b>
Aluminum	11400	1.1	4.40		mg/Kg-dry	10	5/1/2012 11:23:06 AM
Antimony	U	0.22	0.550		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Arsenic	3.17	0.22	0.550		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Barium	78.0	0.22	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Beryllium	U	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Cadmium	U	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Calcium	1790	0.22	0.550		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Chromium	18.8	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Cobalt	U	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Copper	29.4	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Iron	21700	2.2	4.40		mg/Kg-dry	10	5/1/2012 11:23:06 AM
Lead	222	0.22	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Magnesium	2250	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Manganese	301	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Nickel	13.7	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Potassium	1080	0.22	0.550		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Selenium	U	0.22	0.550		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Silver	U	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Sodium	76.1	0.22	0.550		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Thallium	0.831	0.33	0.550		mg/Kg-dry	1	5/1/2012 10:13:09 AM
Vanadium	30.3	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM

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	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: B-7 (4-24ft)  
 Lab Order: 1204234 Collection Date: 4/25/2012 11:10:00 AM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: SOIL  
 Lab ID: 1204234-02B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TARGET ANALYTE LIST METALS</b>							
							Analyst: JP
Zinc	119	1.1	4.40		mg/Kg-dry	10	5/1/2012 11:23:06 AM
Zinc	74.4	0.11	0.440		mg/Kg-dry	1	5/1/2012 10:13:09 AM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							Analyst: LDS
1,2,4-Trichlorobenzene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
1,2-Dichlorobenzene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
1,3-Dichlorobenzene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
1,4-Dichlorobenzene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2,4,5-Trichlorophenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2,4,6-Trichlorophenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2,4-Dichlorophenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2,4-Dimethylphenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2,4-Dinitrophenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2,4-Dinitrotoluene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2,6-Dinitrotoluene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2-Chloronaphthalene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2-Chlorophenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2-Methylnaphthalene	30	28.4	280	J	µg/Kg-dry	1	5/1/2012 11:43:00 PM
2-Methylphenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2-Nitroaniline	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
2-Nitrophenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
3,3'-Dichlorobenzidine	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
3+4-Methylphenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
3-Nitroaniline	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
4,6-Dinitro-2-methylphenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
4-Bromophenyl phenyl ether	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
4-Chloro-3-methylphenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
4-Chloroaniline	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
4-Chlorophenyl phenyl ether	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
4-Nitroaniline	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
4-Nitrophenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Acenaphthene	140	28.4	280	J	µg/Kg-dry	1	5/1/2012 11:43:00 PM
Acenaphthylene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-02B

Client Sample ID: B-7 (4-24ft)  
 Collection Date: 4/25/2012 11:10:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Acetophenone	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Aniline	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Anthracene	250	28.4	280	J	µg/Kg-dry	1	5/1/2012 11:43:00 PM
Atrazine	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Azobenzene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzaldehyde	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzdine	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzo(a)anthracene	700	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzo(a)pyrene	670	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzo(b)fluoranthene	680	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzo(g,h,i)perylene	360	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzo(k)fluoranthene	170	28.4	280	J	µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzoic acid	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Benzyl alcohol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Biphenyl	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Bis(2-chloroethoxy)methane	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Bis(2-chloroethyl)ether	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Bis(2-chloroisopropyl)ether	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Bis(2-ethylhexyl)phthalate	300	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Butyl benzyl phthalate	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Caprolactam	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Carbazole	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Chrysene	730	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Dibenzo(a,h)anthracene	86	28.4	280	J	µg/Kg-dry	1	5/1/2012 11:43:00 PM
Dibenzofuran	79	28.4	280	J	µg/Kg-dry	1	5/1/2012 11:43:00 PM
Diethyl phthalate	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Dimethyl phthalate	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Di-n-butyl phthalate	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Di-n-octyl phthalate	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Fluoranthene	1100	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Fluorene	93	28.4	280	J	µg/Kg-dry	1	5/1/2012 11:43:00 PM
Hexachlorobenzene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Hexachlorobutadiene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: B-7 (4-24ft)  
 Lab Order: 1204234 Collection Date: 4/25/2012 11:10:00 AM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: SOIL  
 Lab ID: 1204234-02B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Hexachlorocyclopentadiene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Hexachloroethane	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Indeno(1,2,3-c,d)pyrene	430	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Isophorone	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Naphthalene	74	28.4	280	J	µg/Kg-dry	1	5/1/2012 11:43:00 PM
Nitrobenzene	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
N-Nitrosodimethylamine	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
N-Nitrosodi-n-propylamine	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
N-Nitrosodiphenylamine	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Parathion	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Pentachlorophenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Phenanthrene	1300	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Phenol	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Pyrene	1400	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Pyridine	U	28.4	280		µg/Kg-dry	1	5/1/2012 11:43:00 PM
Surr: 2,4,6-Tribromophenol	144	0	21-119	S	%REC	1	5/1/2012 11:43:00 PM
Surr: 2-Fluorobiphenyl	108	0	21-117		%REC	1	5/1/2012 11:43:00 PM
Surr: 2-Fluorophenol	41.0	0	11-105		%REC	1	5/1/2012 11:43:00 PM
Surr: 4-Terphenyl-d14	94.8	0	21-132		%REC	1	5/1/2012 11:43:00 PM
Surr: Nitrobenzene-d5	95.5	0	18-116		%REC	1	5/1/2012 11:43:00 PM
Surr: Phenol-d6	55.6	0	12-110		%REC	1	5/1/2012 11:43:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-03A

Client Sample ID: B-8 (0-2ft)  
 Collection Date: 4/25/2012 9:55:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
1,1,1,2-Tetrachloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,1,1-Trichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,1,2-Tetrachloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,1,2-Trichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,1-Dichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,1-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,1-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2,3-Trichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2,3-Trichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2,4,5-Tetramethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2,4-Trichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2,4-Trimethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2-Dibromo-3-chloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2-Dibromoethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2-Dichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,2-Dichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,3,5-Trimethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,3-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,3-dichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,4-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
1,4-Dioxane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
2,2-Dichloropropane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 11:47:00 PM
2-Butanone	U	1.7	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
2-Chloroethyl vinyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
2-Chlorotoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
2-Hexanone	U	1.7	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
2-Propanol	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
4-Chlorotoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
4-Isopropyltoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
4-Methyl-2-pentanone	U	1.7	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Acetone	U	1.7	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: B-8 (0-2ft)  
 Lab Order: 1204234 Collection Date: 4/25/2012 9:55:00 AM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: SOIL  
 Lab ID: 1204234-03A

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
Acrolein	U	2.9	12	C	µg/Kg-dry	1	4/27/2012 11:47:00 PM
Acrylonitrile	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Benzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Bromobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Bromochloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Bromodichloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Bromoform	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Bromomethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Carbon disulfide	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Carbon tetrachloride	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Chlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Chlorodifluoromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Chloroethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 11:47:00 PM
Chloroform	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Chloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
cis-1,2-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
cis-1,3-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Dibromochloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Dibromomethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Dichlorodifluoromethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 11:47:00 PM
Diisopropyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Ethanol	U	2.9	12		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Ethyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Ethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Freon-114	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Hexachlorobutadiene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Isopropyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Isopropylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
m,p-Xylene	U	1.2	12		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Methyl Acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Methyl tert-butyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Methylene chloride	15	0.58	5.8	B	µg/Kg-dry	1	4/27/2012 11:47:00 PM
n-Amyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-03A

Client Sample ID: B-8 (0-2ft)  
 Collection Date: 4/25/2012 9:55:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Naphthalene	2.8	0.58	5.8	J	µg/Kg-dry	1	4/27/2012 11:47:00 PM
n-Butyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
n-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
n-Propyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
n-Propylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
o-Xylene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
p-Diethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
p-Ethyltoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
sec-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Styrene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
t-Butyl alcohol	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
tert-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Tetrachloroethene	1.4	0.58	5.8	J	µg/Kg-dry	1	4/27/2012 11:47:00 PM
Toluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
trans-1,2-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
trans-1,3-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Trichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Trichlorofluoromethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 11:47:00 PM
Vinyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 11:47:00 PM
Vinyl chloride	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 11:47:00 PM
Surr: 4-Bromofluorobenzene	74.4	0	42-133		%REC	1	4/27/2012 11:47:00 PM
Surr: Dibromofluoromethane	87.8	0	50-133		%REC	1	4/27/2012 11:47:00 PM
Surr: Toluene-d8	89.6	0	53-130		%REC	1	4/27/2012 11:47:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-8 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 9:55:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-03B	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		<b>Analyst: JP</b>
Mercury	3.93	0.05	0.106		mg/Kg-dry	10	5/1/2012 2:32:10 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
Aroclor 1016	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Aroclor 1221	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Aroclor 1232	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Aroclor 1242	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Aroclor 1248	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Aroclor 1254	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Aroclor 1260	150	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Aroclor 1262	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Aroclor 1268	140	1.45	2.9		µg/Kg-dry	1	5/3/2012 4:53:00 AM
Surr: TCX	138	0	17-151		%REC	1	5/3/2012 4:53:00 AM
Surr: DCB	326	0	16-152	S	%REC	1	5/3/2012 4:53:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
4,4'-DDD	300	2.31	9.3		µg/Kg-dry	20	5/4/2012 10:59:00 AM
4,4'-DDE	180	2.31	9.3		µg/Kg-dry	20	5/4/2012 10:59:00 AM
4,4'-DDT	890	2.31	9.3		µg/Kg-dry	20	5/4/2012 10:59:00 AM
Aldrin	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
alpha-BHC	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
beta-BHC	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Chlordane	U	0.29	1.2		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Chlorobenzilate	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
DBCP	U	0.23	0.93		µg/Kg-dry	1	5/2/2012 5:31:00 PM
delta-BHC	9.8	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Dieldrin	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Endosulfan I	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Endosulfan II	56	2.31	9.3		µg/Kg-dry	20	5/4/2012 10:59:00 AM
Endosulfan sulfate	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Endrin	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Endrin aldehyde	22	4.63	19	C	µg/Kg-dry	20	5/4/2012 10:59:00 AM
Endrin ketone	230	2.31	9.3	C	µg/Kg-dry	20	5/4/2012 10:59:00 AM
gamma-BHC	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-03B

Client Sample ID: B-8 (0-2ft)  
 Collection Date: 4/25/2012 9:55:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							Analyst: SB
			<b>SW8081B</b>		<b>SW3550C</b>		
Heptachlor	28	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Heptachlor epoxide	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Hexachlorobenzene	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Hexachlorocyclopentadiene	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Methoxychlor	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Toxaphene	U	2.89	12		µg/Kg-dry	1	5/2/2012 5:31:00 PM
Surr: DCB	833	0	23-157	S	%REC	20	5/4/2012 10:59:00 AM
Surr: DCB	5460	0	23-157	S	%REC	1	5/2/2012 5:31:00 PM
Surr: TCX	134	0	21-151		%REC	20	5/4/2012 10:59:00 AM
Surr: TCX	91.4	0	21-151		%REC	1	5/2/2012 5:31:00 PM
<b>PERCENT MOISTURE</b>							Analyst: CF
			<b>D2216</b>				
Percent Moisture	14.0	0	0		wt%	1	5/1/2012
<b>TARGET ANALYTE LIST METALS</b>							Analyst: JP
			<b>SW6010C</b>		<b>SW3050B</b>		
Aluminum	4180	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Antimony	U	0.23	0.574		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Arsenic	48.3	0.23	0.574		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Barium	523	0.23	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Beryllium	U	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Cadmium	2.81	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Calcium	4220	0.23	0.574		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Chromium	32.8	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Cobalt	U	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Copper	189	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Iron	20000	2.3	4.59		mg/Kg-dry	10	5/1/2012 11:25:08 AM
Lead	1320	0.23	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Magnesium	1550	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Manganese	246	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Nickel	21.0	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Potassium	714	0.23	0.574		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Selenium	0.525	0.23	0.574	J	mg/Kg-dry	1	5/1/2012 10:15:09 AM
Silver	0.820	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Sodium	447	0.23	0.574		mg/Kg-dry	1	5/1/2012 10:15:09 AM

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*interference*  
*TD*

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-8 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 9:55:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-03B	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TARGET ANALYTE LIST METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		<b>Analyst: JP</b>
Thallium	U	0.35	0.574		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Vanadium	33.9	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
Zinc	734	0.12	0.459		mg/Kg-dry	1	5/1/2012 10:15:09 AM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
1,2,4-Trichlorobenzene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
1,2-Dichlorobenzene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
1,3-Dichlorobenzene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
1,4-Dichlorobenzene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2,4,5-Trichlorophenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2,4,6-Trichlorophenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2,4-Dichlorophenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2,4-Dimethylphenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2,4-Dinitrophenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2,4-Dinitrotoluene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2,6-Dinitrotoluene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2-Chloronaphthalene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2-Chlorophenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2-Methylnaphthalene	420	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2-Methylphenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2-Nitroaniline	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
2-Nitrophenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
3,3'-Dichlorobenzidine	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
3+4-Methylphenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
3-Nitroaniline	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
4,6-Dinitro-2-methylphenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
4-Bromophenyl phenyl ether	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
4-Chloro-3-methylphenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
4-Chloroaniline	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
4-Chlorophenyl phenyl ether	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
4-Nitroaniline	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
4-Nitrophenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Acenaphthene	3100	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM

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	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
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ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-8 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 9:55:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-03B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Acenaphthylene	440	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Acetophenone	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Aniline	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Anthracene	8200	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Atrazine	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Azobenzene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Benzaldehyde	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Benzidine	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Benzo(a)anthracene	23000	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Benzo(a)pyrene	19000	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Benzo(b)fluoranthene	23000	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Benzo(g,h,i)perylene	9600	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Benzo(k)fluoranthene	29000	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Benzoic acid	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Benzyl alcohol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Biphenyl	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Bis(2-chloroethoxy)methane	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Bis(2-chloroethyl)ether	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Bis(2-chloroisopropyl)ether	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Bis(2-ethylhexyl)phthalate	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Butyl benzyl phthalate	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Caprolactam	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Carbazole	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Chrysene	25000	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Dibenzo(a,h)anthracene	3100	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Dibenzofuran	1600	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Diethyl phthalate	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Dimethyl phthalate	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Di-n-butyl phthalate	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Di-n-octyl phthalate	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Fluoranthene	58000	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Fluorene	2500	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Hexachlorobenzene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM

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	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-03B

Client Sample ID: B-8 (0-2ft)  
 Collection Date: 4/25/2012 9:55:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Hexachlorobutadiene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Hexachlorocyclopentadiene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Hexachloroethane	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Indeno(1,2,3-c,d)pyrene	8600	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Isophorone	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Naphthalene	720	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Nitrobenzene	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
N-Nitrosodimethylamine	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
N-Nitrosodi-n-propylamine	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
N-Nitrosodiphenylamine	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Parathion	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Pentachlorophenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Phenanthrene	42000	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Phenol	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Pyrene	55000	289	2900		µg/Kg-dry	10	5/2/2012 2:33:00 PM
Pyridine	U	28.9	290		µg/Kg-dry	1	5/2/2012 12:08:00 AM
Surr: 2,4,6-Tribromophenol	89.6	0	21-119		%REC	1	5/2/2012 12:08:00 AM
Surr: 2,4,6-Tribromophenol	46.8	0	21-119		%REC	10	5/2/2012 2:33:00 PM
Surr: 2-Fluorobiphenyl	64.7	0	21-117		%REC	1	5/2/2012 12:08:00 AM
Surr: 2-Fluorobiphenyl	34.8	0	21-117		%REC	10	5/2/2012 2:33:00 PM
Surr: 2-Fluorophenol	36.1	0	11-105		%REC	1	5/2/2012 12:08:00 AM
Surr: 2-Fluorophenol	24.3	0	11-105		%REC	10	5/2/2012 2:33:00 PM
Surr: 4-Terphenyl-d14	50.4	0	21-132		%REC	1	5/2/2012 12:08:00 AM
Surr: 4-Terphenyl-d14	51.1	0	21-132		%REC	10	5/2/2012 2:33:00 PM
Surr: Nitrobenzene-d5	37.7	0	18-116		%REC	10	5/2/2012 2:33:00 PM
Surr: Nitrobenzene-d5	61.9	0	18-116		%REC	1	5/2/2012 12:08:00 AM
Surr: Phenol-d6	36.5	0	12-110		%REC	1	5/2/2012 12:08:00 AM
Surr: Phenol-d6	34.1	0	12-110		%REC	10	5/2/2012 2:33:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-04A

Client Sample ID: B-8 (4-6ft)  
 Collection Date: 4/25/2012 10:05:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
1,1,1,2-Tetrachloroethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,1,1-Trichloroethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,1,1,2,2-Tetrachloroethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,1,2-Trichloroethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,1-Dichloroethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,1-Dichloroethene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,1-Dichloropropene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2,3-Trichlorobenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2,3-Trichloropropane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2,4,5-Tetramethylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2,4-Trichlorobenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2,4-Trimethylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2-Dibromo-3-chloropropane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2-Dibromoethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2-Dichlorobenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2-Dichloroethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,2-Dichloropropane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,3,5-Trimethylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,3-Dichlorobenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,3-dichloropropane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,4-Dichlorobenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
1,4-Dioxane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
2,2-Dichloropropane	U	0.55	5.5	C	µg/Kg-dry	1	4/28/2012 12:32:00 AM
2-Butanone	U	1.7	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
2-Chloroethyl vinyl ether	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
2-Chlorotoluene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
2-Hexanone	U	1.7	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
2-Propanol	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
4-Chlorotoluene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
4-Isopropyltoluene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
4-Methyl-2-pentanone	U	1.7	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Acetone	U	1.7	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	B-8 (4-6ft)
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:05:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1204234-04A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Acrolein	U	2.8	11	C	µg/Kg-dry	1	4/28/2012 12:32:00 AM
Acrylonitrile	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Benzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Bromobenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Bromochloromethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Bromodichloromethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Bromoform	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Bromomethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Carbon disulfide	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Carbon tetrachloride	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Chlorobenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Chlorodifluoromethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Chloroethane	U	0.55	5.5	C	µg/Kg-dry	1	4/28/2012 12:32:00 AM
Chloroform	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Chloromethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
cis-1,2-Dichloroethene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
cis-1,3-Dichloropropene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Dibromochloromethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Dibromomethane	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Dichlorodifluoromethane	U	0.55	5.5	C	µg/Kg-dry	1	4/28/2012 12:32:00 AM
Diisopropyl ether	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Ethanol	U	2.8	11		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Ethyl acetate	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Ethylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Freon-114	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Hexachlorobutadiene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Isopropyl acetate	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Isopropylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
m,p-Xylene	U	1.1	11		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Methyl Acetate	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Methyl tert-butyl ether	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Methylene chloride	7.5	0.55	5.5	B	µg/Kg-dry	1	4/28/2012 12:32:00 AM
n-Amyl acetate	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM

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	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-8 (4-6ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 10:05:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-04A	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
Naphthalene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
n-Butyl acetate	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
n-Butylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
n-Propyl acetate	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
n-Propylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
o-Xylene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
p-Diethylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
p-Ethyltoluene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
sec-Butylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Styrene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
t-Butyl alcohol	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
tert-Butylbenzene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Tetrachloroethene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Toluene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
trans-1,2-Dichloroethene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
trans-1,3-Dichloropropene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Trichloroethene	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Trichlorofluoromethane	U	0.55	5.5	C	µg/Kg-dry	1	4/28/2012 12:32:00 AM
Vinyl acetate	U	0.55	5.5		µg/Kg-dry	1	4/28/2012 12:32:00 AM
Vinyl chloride	U	0.55	5.5	C	µg/Kg-dry	1	4/28/2012 12:32:00 AM
Surr: 4-Bromofluorobenzene	83.3	0	42-133		%REC	1	4/28/2012 12:32:00 AM
Surr: Dibromofluoromethane	91.9	0	50-133		%REC	1	4/28/2012 12:32:00 AM
Surr: Toluene-d8	86.5	0	53-130		%REC	1	4/28/2012 12:32:00 AM

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<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 10:05:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-04B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	0.0516	0.006	0.0111		mg/Kg-dry	1	5/1/2012 1:58:17 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
Aroclor 1016	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Aroclor 1221	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Aroclor 1232	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Aroclor 1242	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Aroclor 1248	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Aroclor 1254	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Aroclor 1260	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Aroclor 1262	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Aroclor 1268	U	1.40	2.8		µg/Kg-dry	1	5/3/2012 5:17:00 AM
Surr: TCX	96.4	0	17-151		%REC	1	5/3/2012 5:17:00 AM
Surr: DCB	96.4	0	16-152		%REC	1	5/3/2012 5:17:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
4,4'-DDD	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
4,4'-DDE	1.1	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
4,4'-DDT	4.8	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Aldrin	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
alpha-BHC	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
beta-BHC	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Chlordane	U	0.28	1.1		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Chlorobenzilate	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
DBCP	U	0.22	0.90		µg/Kg-dry	1	5/2/2012 5:45:00 PM
delta-BHC	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Dieldrin	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Endosulfan I	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Endosulfan II	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Endosulfan sulfate	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Endrin	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Endrin aldehyde	U	0.22	0.90	C	µg/Kg-dry	1	5/2/2012 5:45:00 PM
Endrin ketone	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
gamma-BHC	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM

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<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:05:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1204234-04B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
Heptachlor	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Heptachlor epoxide	0.48	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Hexachlorobenzene	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Hexachlorocyclopentadiene	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Methoxychlor	U	0.11	0.45		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Toxaphene	U	2.81	11		µg/Kg-dry	1	5/2/2012 5:45:00 PM
Surr: DCB	110	0	23-157		%REC	1	5/2/2012 5:45:00 PM
Surr: TCX	87.7	0	21-151		%REC	1	5/2/2012 5:45:00 PM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				<b>Analyst: CF</b>
Percent Moisture	12.5	0	0		wt%	1	5/1/2012
<b>TARGET ANALYTE LIST METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		<b>Analyst: JP</b>
Aluminum	9670	1.13	4.52		mg/Kg-dry	10	5/1/2012 11:27:10 AM
Antimony	U	0.23	0.565		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Arsenic	2.70	0.23	0.565		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Barium	34.6	0.23	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Beryllium	U	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Cadmium	U	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Calcium	910	0.23	0.565		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Chromium	15.5	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Cobalt	U	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Copper	13.3	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Iron	18700	2.26	4.52		mg/Kg-dry	10	5/1/2012 11:27:10 AM
Lead	22.0	0.23	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Magnesium	1500	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Manganese	326	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Nickel	11.9	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Potassium	808	0.23	0.565		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Selenium	U	0.23	0.565		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Silver	U	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Sodium	46.7	0.23	0.565		mg/Kg-dry	1	5/1/2012 10:17:11 AM
Thallium	0.482	0.34	0.565	J	mg/Kg-dry	1	5/1/2012 10:17:11 AM
Vanadium	23.9	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM

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ELAP ID : 11418

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 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-04B

Client Sample ID: B-8 (4-6ft)  
 Collection Date: 4/25/2012 10:05:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed			
<b>TARGET ANALYTE LIST METALS</b>										
Zinc	30.2	0.11	0.452		mg/Kg-dry	1	5/1/2012 10:17:11 AM			
<table border="0" style="width:100%"> <tr> <td style="width:40%"><b>SW6010C</b></td> <td style="width:40%"><b>SW3050B</b></td> <td style="width:20%">Analyst: JP</td> </tr> </table>								<b>SW6010C</b>	<b>SW3050B</b>	Analyst: JP
<b>SW6010C</b>	<b>SW3050B</b>	Analyst: JP								
<b>SEMIVOLATILE SW-846 METHOD 8270</b>										
<table border="0" style="width:100%"> <tr> <td style="width:40%"><b>SW8270D</b></td> <td style="width:40%"><b>SW3550C</b></td> <td style="width:20%">Analyst: LDS</td> </tr> </table>								<b>SW8270D</b>	<b>SW3550C</b>	Analyst: LDS
<b>SW8270D</b>	<b>SW3550C</b>	Analyst: LDS								
1,2,4-Trichlorobenzene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
1,2-Dichlorobenzene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
1,3-Dichlorobenzene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
1,4-Dichlorobenzene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2,4,5-Trichlorophenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2,4,6-Trichlorophenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2,4-Dichlorophenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2,4-Dimethylphenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2,4-Dinitrophenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2,4-Dinitrotoluene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2,6-Dinitrotoluene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2-Chloronaphthalene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2-Chlorophenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2-Methylnaphthalene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2-Methylphenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2-Nitroaniline	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
2-Nitrophenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
3,3'-Dichlorobenzidine	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
3+4-Methylphenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
3-Nitroaniline	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
4,6-Dinitro-2-methylphenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
4-Bromophenyl phenyl ether	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
4-Chloro-3-methylphenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
4-Chloroaniline	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
4-Chlorophenyl phenyl ether	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
4-Nitroaniline	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
4-Nitrophenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
Acenaphthene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
Acenaphthylene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			
Acetophenone	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM			

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-04B

Client Sample ID: B-8 (4-6ft)  
 Collection Date: 4/25/2012 10:05:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Aniline	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Anthracene	150	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Atrazine	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Azobenzene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzaldehyde	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzdine	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzo(a)anthracene	90	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzo(a)pyrene	87	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzo(b)fluoranthene	130	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzo(g,h,i)perylene	53	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzo(k)fluoranthene	140	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzoic acid	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Benzyl alcohol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Biphenyl	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Bis(2-chloroethoxy)methane	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Bis(2-chloroethyl)ether	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Bis(2-chloroisopropyl)ether	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Bis(2-ethylhexyl)phthalate	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Butyl benzyl phthalate	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Caprolactam	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Carbazole	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Chrysene	110	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Dibenzo(a,h)anthracene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Dibenzofuran	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Diethyl phthalate	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Dimethyl phthalate	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Di-n-butyl phthalate	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Di-n-octyl phthalate	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Fluoranthene	240	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Fluorene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Hexachlorobenzene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Hexachlorobutadiene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Hexachlorocyclopentadiene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	B-8 (4-6ft)
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:05:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1204234-04B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Hexachloroethane	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Indeno(1,2,3-c,d)pyrene	55	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Isophorone	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Naphthalene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Nitrobenzene	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
N-Nitrosodimethylamine	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
N-Nitrosodi-n-propylamine	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
N-Nitrosodiphenylamine	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Parathion	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Pentachlorophenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Phenanthrene	170	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Phenol	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Pyrene	260	28.1	280	J	µg/Kg-dry	1	5/2/2012 12:32:00 AM
Pyridine	U	28.1	280		µg/Kg-dry	1	5/2/2012 12:32:00 AM
Surr: 2,4,6-Tribromophenol	124	0	21-119	S	%REC	1	5/2/2012 12:32:00 AM
Surr: 2-Fluorobiphenyl	110	0	21-117		%REC	1	5/2/2012 12:32:00 AM
Surr: 2-Fluorophenol	47.6	0	11-105		%REC	1	5/2/2012 12:32:00 AM
Surr: 4-Terphenyl-d14	81.8	0	21-132		%REC	1	5/2/2012 12:32:00 AM
Surr: Nitrobenzene-d5	98.5	0	18-116		%REC	1	5/2/2012 12:32:00 AM
Surr: Phenol-d6	58.2	0	12-110		%REC	1	5/2/2012 12:32:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-05A

Client Sample ID: B-9 (0-2ft)  
 Collection Date: 4/25/2012 8:37:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		Analyst: LA		
1,1,1,2-Tetrachloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,1,1-Trichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,1,2,2-Tetrachloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,1,2-Trichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,1-Dichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,1-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,1-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2,3-Trichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2,3-Trichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2,4,5-Tetramethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2,4-Trichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2,4-Trimethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2-Dibromo-3-chloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2-Dibromoethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2-Dichloroethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,2-Dichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,3,5-Trimethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,3-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,3-dichloropropane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,4-Dichlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
1,4-Dioxane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
2,2-Dichloropropane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:34:00 PM
2-Butanone	U	1.8	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
2-Chloroethyl vinyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
2-Chlorotoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
2-Hexanone	U	1.8	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
2-Propanol	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
4-Chlorotoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
4-Isopropyltoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
4-Methyl-2-pentanone	U	1.8	5.8	C	µg/Kg-dry	1	4/27/2012 5:34:00 PM
Acetone	U	1.8	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
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	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-05A

Client Sample ID: B-9 (0-2ft)  
 Collection Date: 4/25/2012 8:37:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Acrolein	U	2.9	12	C	µg/Kg-dry	1	4/27/2012 5:34:00 PM
Acrylonitrile	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Benzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Bromobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Bromochloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Bromodichloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Bromoform	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Bromomethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Carbon disulfide	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Carbon tetrachloride	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Chlorobenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Chlorodifluoromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Chloroethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:34:00 PM
Chloroform	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Chloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
cis-1,2-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
cis-1,3-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Dibromochloromethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Dibromomethane	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Dichlorodifluoromethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:34:00 PM
Diisopropyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Ethanol	U	2.9	12		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Ethyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Ethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Freon-114	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:34:00 PM
Hexachlorobutadiene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Isopropyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Isopropylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
m,p-Xylene	U	1.2	12		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Methyl Acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Methyl tert-butyl ether	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Methylene chloride	10	0.58	5.8	B	µg/Kg-dry	1	4/27/2012 5:34:00 PM
n-Amyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM

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 Tel - 6314546100 Fax - 6314548027 www.American-Analytical.com



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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-05A

Client Sample ID: B-9 (0-2ft)  
 Collection Date: 4/25/2012 8:37:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		Analyst: LA		
Naphthalene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
n-Butyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
n-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
n-Propyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
n-Propylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
o-Xylene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
p-Diethylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
p-Ethyltoluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
sec-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Styrene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
t-Butyl alcohol	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
tert-Butylbenzene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Tetrachloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Toluene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
trans-1,2-Dichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
trans-1,3-Dichloropropene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Trichloroethene	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Trichlorofluoromethane	U	0.58	5.8	C	µg/Kg-dry	1	4/27/2012 5:34:00 PM
Vinyl acetate	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Vinyl chloride	U	0.58	5.8		µg/Kg-dry	1	4/27/2012 5:34:00 PM
Surr: 4-Bromofluorobenzene	72.6	0	42-133		%REC	1	4/27/2012 5:34:00 PM
Surr: Dibromofluoromethane	91.1	0	50-133		%REC	1	4/27/2012 5:34:00 PM
Surr: Toluene-d8	91.8	0	53-130		%REC	1	4/27/2012 5:34:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-9 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 8:37:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-05B	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		<b>Analyst: JP</b>
Mercury	24.5	0.28	0.561		mg/Kg-dry	50	5/1/2012 2:53:48 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
Aroclor 1016	U	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Aroclor 1221	U	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Aroclor 1232	U	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Aroclor 1242	U	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Aroclor 1248	U	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Aroclor 1254	U	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Aroclor 1260	37	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Aroclor 1262	U	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Aroclor 1268	24	1.43	2.9		µg/Kg-dry	1	5/3/2012 5:41:00 AM
Surr: TCX	104	0	17-151		%REC	1	5/3/2012 5:41:00 AM
Surr: DCB	114	0	16-152		%REC	1	5/3/2012 5:41:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
4,4'-DDD	37	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
4,4'-DDE	28	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
4,4'-DDT	180	2.29	9.2		µg/Kg-dry	20	5/4/2012 11:14:00 AM
Aldrin	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
alpha-BHC	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
beta-BHC	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Chlordane	U	0.29	1.1		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Chlorobenzilate	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
DBCP	U	0.23	0.92		µg/Kg-dry	1	5/2/2012 5:59:00 PM
delta-BHC	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Dieldrin	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Endosulfan I	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Endosulfan II	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Endosulfan sulfate	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Endrin	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Endrin aldehyde	U	0.23	0.92	C	µg/Kg-dry	1	5/2/2012 5:59:00 PM
Endrin ketone	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
gamma-BHC	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-9 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 8:37:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-05B	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
Heptachlor	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Heptachlor epoxide	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Hexachlorobenzene	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Hexachlorocyclopentadiene	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Methoxychlor	U	0.11	0.46		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Toxaphene	U	2.87	11		µg/Kg-dry	1	5/2/2012 5:59:00 PM
Surr: DCB	160	0	23-157	S	%REC	20	5/4/2012 11:14:00 AM
Surr: DCB	132	0	23-157		%REC	1	5/2/2012 5:59:00 PM
Surr: TCX	86.5	0	21-151		%REC	20	5/4/2012 11:14:00 AM
Surr: TCX	82.2	0	21-151		%REC	1	5/2/2012 5:59:00 PM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				<b>Analyst: CF</b>
Percent Moisture	14.3	0	0		wt%	1	5/1/2012
<b>TARGET ANALYTE LIST METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		<b>Analyst: JP</b>
Aluminum	4410	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Antimony	U	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Arsenic	71.0	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Barium	328	0.23	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Beryllium	U	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Cadmium	2.21	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Calcium	5500	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Chromium	24.6	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Cobalt	U	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Copper	199	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Iron	16100	2.31	4.61		mg/Kg-dry	10	5/1/2012 11:29:12 AM
Lead	649	0.23	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Magnesium	1360	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Manganese	244	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Nickel	15.8	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Potassium	946	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Selenium	0.470	0.23	0.576	J	mg/Kg-dry	1	5/1/2012 10:19:13 AM
Silver	0.436	0.12	0.461	J	mg/Kg-dry	1	5/1/2012 10:19:13 AM
Sodium	217	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:19:13 AM

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	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-05B

Client Sample ID: B-9 (0-2ft)  
 Collection Date: 4/25/2012 8:37:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TARGET ANALYTE LIST METALS</b>							
			<b>SW6010C</b>		<b>SW3050B</b>		<b>Analyst: JP</b>
Thallium	U	0.35	0.576		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Vanadium	21.5	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
Zinc	453	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:19:13 AM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
1,2,4-Trichlorobenzene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
1,2-Dichlorobenzene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
1,3-Dichlorobenzene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
1,4-Dichlorobenzene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2,4,5-Trichlorophenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2,4,6-Trichlorophenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2,4-Dichlorophenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2,4-Dimethylphenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2,4-Dinitrophenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2,4-Dinitrotoluene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2,6-Dinitrotoluene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2-Chloronaphthalene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2-Chlorophenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2-Methylnaphthalene	820	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2-Methylphenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2-Nitroaniline	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
2-Nitrophenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
3,3'-Dichlorobenzidine	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
3+4-Methylphenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
3-Nitroaniline	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
4,6-Dinitro-2-methylphenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
4-Bromophenyl phenyl ether	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
4-Chloro-3-methylphenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
4-Chloroaniline	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
4-Chlorophenyl phenyl ether	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
4-Nitroaniline	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
4-Nitrophenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Acenaphthene	4400	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM

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**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

**CLIENT:** CA Rich Consultants Inc.  
**Lab Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**Lab ID:** 1204234-05B

**Client Sample ID:** B-9 (0-2ft)  
**Collection Date:** 4/25/2012 8:37:00 AM  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Acenaphthylene	92	28.7	290	J	µg/Kg-dry	1	5/2/2012 12:56:00 AM
Acetophenone	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Aniline	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Anthracene	29000	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Atrazine	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Azobenzene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Benzaldehyde	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Benzidine	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Benzo(a)anthracene	12000	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Benzo(a)pyrene	8800	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Benzo(b)fluoranthene	11000	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Benzo(g,h,i)perylene	4900	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Benzo(k)fluoranthene	14000	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Benzoic acid	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Benzyl alcohol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Biphenyl	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Bis(2-chloroethoxy)methane	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Bis(2-chloroethyl)ether	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Bis(2-chloroisopropyl)ether	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Bis(2-ethylhexyl)phthalate	510	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Butyl benzyl phthalate	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Caprolactam	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Carbazole	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Chrysene	12000	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Dibenzo(a,h)anthracene	1800	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Dibenzofuran	3000	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Diethyl phthalate	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Dimethyl phthalate	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Di-n-butyl phthalate	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Di-n-octyl phthalate	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Fluoranthene	31000	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Fluorene	3200	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Hexachlorobenzene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM

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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-05B

Client Sample ID: B-9 (0-2ft)  
 Collection Date: 4/25/2012 8:37:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		Analyst: LDS
Hexachlorobutadiene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Hexachlorocyclopentadiene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Hexachloroethane	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Indeno(1,2,3-c,d)pyrene	6400	28.7	290	E	µg/Kg-dry	1	5/2/2012 12:56:00 AM
Isophorone	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Naphthalene	2600	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Nitrobenzene	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
N-Nitrosodimethylamine	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
N-Nitrosodi-n-propylamine	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
N-Nitrosodiphenylamine	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Parathion	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Pentachlorophenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Phenanthrene	31000	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Phenol	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Pyrene	25000	287	2900		µg/Kg-dry	10	5/2/2012 3:00:00 PM
Pyridine	U	28.7	290		µg/Kg-dry	1	5/2/2012 12:56:00 AM
Surr: 2,4,6-Tribromophenol	144	0	21-119	S	%REC	1	5/2/2012 12:56:00 AM
Surr: 2,4,6-Tribromophenol	100	0	21-119		%REC	10	5/2/2012 3:00:00 PM
Surr: 2-Fluorobiphenyl	102	0	21-117		%REC	1	5/2/2012 12:56:00 AM
Surr: 2-Fluorobiphenyl	46.5	0	21-117		%REC	10	5/2/2012 3:00:00 PM
Surr: 2-Fluorophenol	50.9	0	11-105		%REC	1	5/2/2012 12:56:00 AM
Surr: 2-Fluorophenol	20.4	0	11-105		%REC	10	5/2/2012 3:00:00 PM
Surr: 4-Terphenyl-d14	70.5	0	21-132		%REC	10	5/2/2012 3:00:00 PM
Surr: 4-Terphenyl-d14	79.8	0	21-132		%REC	1	5/2/2012 12:56:00 AM
Surr: Nitrobenzene-d5	55.1	0	18-116		%REC	10	5/2/2012 3:00:00 PM
Surr: Nitrobenzene-d5	96.4	0	18-116		%REC	1	5/2/2012 12:56:00 AM
Surr: Phenol-d6	58.2	0	12-110		%REC	1	5/2/2012 12:56:00 AM
Surr: Phenol-d6	46.0	0	12-110		%REC	10	5/2/2012 3:00:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-06A

Client Sample ID: B-9 (4-6ft)  
 Collection Date: 4/25/2012 8:41:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
1,1,1,2-Tetrachloroethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,1,1-Trichloroethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,1,2,2-Tetrachloroethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,1,2-Trichloroethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,1-Dichloroethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,1-Dichloroethene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,1-Dichloropropene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2,3-Trichlorobenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2,3-Trichloropropane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2,4,5-Tetramethylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2,4-Trichlorobenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2,4-Trimethylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2-Dibromo-3-chloropropane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2-Dibromoethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2-Dichlorobenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2-Dichloroethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,2-Dichloropropane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,3,5-Trimethylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,3-Dichlorobenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,3-dichloropropane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,4-Dichlorobenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
1,4-Dioxane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
2,2-Dichloropropane	U	0.59	5.9	C	µg/Kg-dry	1	4/28/2012 1:18:00 AM
2-Butanone	U	1.8	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
2-Chloroethyl vinyl ether	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
2-Chlorotoluene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
2-Hexanone	U	1.8	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
2-Propanol	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
4-Chlorotoluene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
4-Isopropyltoluene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
4-Methyl-2-pentanone	U	1.8	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Acetone	U	1.8	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM

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	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	B-9 (4-6ft)
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 8:41:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1204234-06A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Acrolein	U	3	12	C	µg/Kg-dry	1	4/28/2012 1:18:00 AM
Acrylonitrile	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Benzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Bromobenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Bromochloromethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Bromodichloromethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Bromoform	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Bromomethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Carbon disulfide	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Carbon tetrachloride	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Chlorobenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Chlorodifluoromethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Chloroethane	U	0.59	5.9	C	µg/Kg-dry	1	4/28/2012 1:18:00 AM
Chloroform	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Chloromethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
cis-1,2-Dichloroethene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
cis-1,3-Dichloropropene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Dibromochloromethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Dibromomethane	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Dichlorodifluoromethane	U	0.59	5.9	C	µg/Kg-dry	1	4/28/2012 1:18:00 AM
Diisopropyl ether	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Ethanol	U	3	12		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Ethyl acetate	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Ethylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Freon-114	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Hexachlorobutadiene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Isopropyl acetate	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Isopropylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
m,p-Xylene	U	1.2	12		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Methyl Acetate	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Methyl tert-butyl ether	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Methylene chloride	7.5	0.59	5.9	B	µg/Kg-dry	1	4/28/2012 1:18:00 AM
n-Amyl acetate	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
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**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

**CLIENT:** CA Rich Consultants Inc.  
**Lab Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**Lab ID:** 1204234-06A

**Client Sample ID:** B-9 (4-6ft)  
**Collection Date:** 4/25/2012 8:41:00 AM  
**Matrix:** SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Naphthalene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
n-Butyl acetate	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
n-Butylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
n-Propyl acetate	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
n-Propylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
o-Xylene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
p-Diethylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
p-Ethyltoluene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
sec-Butylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Styrene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
t-Butyl alcohol	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
tert-Butylbenzene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Tetrachloroethene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Toluene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
trans-1,2-Dichloroethene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
trans-1,3-Dichloropropene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Trichloroethene	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Trichlorofluoromethane	U	0.59	5.9	C	µg/Kg-dry	1	4/28/2012 1:18:00 AM
Vinyl acetate	U	0.59	5.9		µg/Kg-dry	1	4/28/2012 1:18:00 AM
Vinyl chloride	U	0.59	5.9	C	µg/Kg-dry	1	4/28/2012 1:18:00 AM
Surr: 4-Bromofluorobenzene	79.8	0	42-133		%REC	1	4/28/2012 1:18:00 AM
Surr: Dibromofluoromethane	83.1	0	50-133		%REC	1	4/28/2012 1:18:00 AM
Surr: Toluene-d8	88.8	0	53-130		%REC	1	4/28/2012 1:18:00 AM

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	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: B-9 (4-6ft)  
 Lab Order: 1204234 Collection Date: 4/25/2012 8:41:00 AM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: SOIL  
 Lab ID: 1204234-06B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed								
<b>MERCURY</b>															
Mercury	0.0407	0.005	0.0107		mg/Kg-dry	1	5/1/2012 2:05:14 PM								
<table border="0" style="width:100%"> <tr> <td style="width:40%;"></td> <td style="width:15%; text-align:center"><b>SW7471B</b></td> <td style="width:15%; text-align:center"><b>SW7471B</b></td> <td style="width:30%;"></td> </tr> <tr> <td></td> <td style="text-align:center">Analyst: JP</td> <td></td> <td></td> </tr> </table>									<b>SW7471B</b>	<b>SW7471B</b>			Analyst: JP		
	<b>SW7471B</b>	<b>SW7471B</b>													
	Analyst: JP														
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>															
Aroclor 1016	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Aroclor 1221	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Aroclor 1232	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Aroclor 1242	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Aroclor 1248	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Aroclor 1254	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Aroclor 1260	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Aroclor 1262	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Aroclor 1268	U	1.45	2.9		µg/Kg-dry	1	5/3/2012 6:05:00 AM								
Surr: TCX	96.3	0	17-151		%REC	1	5/3/2012 6:05:00 AM								
Surr: DCB	94.7	0	16-152		%REC	1	5/3/2012 6:05:00 AM								
<b>PESTICIDES SW-846 METHOD 8081</b>															
4,4'-DDD	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
4,4'-DDE	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
4,4'-DDT	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Aldrin	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
alpha-BHC	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
beta-BHC	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Chlordane	U	0.29	1.2		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Chlorobenzilate	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
DBCP	U	0.23	0.93		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
delta-BHC	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Dieldrin	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Endosulfan I	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Endosulfan II	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Endosulfan sulfate	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Endrin	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Endrin aldehyde	U	0.23	0.93	C	µg/Kg-dry	1	5/2/2012 6:13:00 PM								
Endrin ketone	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								
gamma-BHC	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM								

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-9 (4-6ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 8:41:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-06B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
Heptachlor	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM
Heptachlor epoxide	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM
Hexachlorobenzene	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM
Hexachlorocyclopentadiene	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM
Methoxychlor	U	0.12	0.46		µg/Kg-dry	1	5/2/2012 6:13:00 PM
Toxaphene	U	2.9	12		µg/Kg-dry	1	5/2/2012 6:13:00 PM
Surr: DCB	96.7	0	23-157		%REC	1	5/2/2012 6:13:00 PM
Surr: TCX	85.1	0	21-151		%REC	1	5/2/2012 6:13:00 PM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				<b>Analyst: CF</b>
Percent Moisture	15.9	0	0		wt%	1	5/1/2012
<b>TARGET ANALYTE LIST METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		<b>Analyst: JP</b>
Aluminum	5720	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Antimony	U	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Arsenic	3.42	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Barium	35.8	0.23	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Beryllium	U	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Cadmium	U	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Calcium	819	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Chromium	17.4	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Cobalt	U	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Copper	14.9	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Iron	20700	2.31	4.61		mg/Kg-dry	10	5/1/2012 11:31:14 AM
Lead	22.3	0.23	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Magnesium	1440	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Manganese	397	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Nickel	11.8	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Potassium	866	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Selenium	U	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Silver	U	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Sodium	50.9	0.23	0.576		mg/Kg-dry	1	5/1/2012 10:50:13 AM
Thallium	0.505	0.35	0.576	J	mg/Kg-dry	1	5/1/2012 10:50:13 AM
Vanadium	25.4	0.12	0.461		mg/Kg-dry	1	5/1/2012 10:50:13 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-06B

Client Sample ID: B-9 (4-6ft)  
 Collection Date: 4/25/2012 8:41:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses Sample Result LOD LOQ Qual Units DF Date/Time Analyzed

TARGET ANALYTE LIST METALS

Zinc 33.3 0.12 0.461 mg/Kg-dry 1 5/1/2012 10:50:13 AM

SEMIVOLATILE SW-846 METHOD 8270

Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
1,2,4-Trichlorobenzene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
1,2-Dichlorobenzene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
1,3-Dichlorobenzene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
1,4-Dichlorobenzene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2,4,5-Trichlorophenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2,4,6-Trichlorophenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2,4-Dichlorophenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2,4-Dimethylphenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2,4-Dinitrophenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2,4-Dinitrotoluene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2,6-Dinitrotoluene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2-Chloronaphthalene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2-Chlorophenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2-Methylnaphthalene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2-Methylphenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2-Nitroaniline	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
2-Nitrophenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
3,3'-Dichlorobenzidine	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
3+4-Methylphenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
3-Nitroaniline	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
4,6-Dinitro-2-methylphenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
4-Bromophenyl phenyl ether	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
4-Chloro-3-methylphenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
4-Chloroaniline	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
4-Chlorophenyl phenyl ether	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
4-Nitroaniline	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
4-Nitrophenol	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Acenaphthene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Acenaphthylene	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Acetophenone	U	29	290	µg/Kg-dry	1	5/2/2012 1:21:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-06B

Client Sample ID: B-9 (4-6ft)  
 Collection Date: 4/25/2012 8:41:00 AM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		Analyst: LDS
Aniline	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Anthracene	130	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Atrazine	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Azobenzene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzaldehyde	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzydine	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzo(a)anthracene	68	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzo(a)pyrene	48	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzo(b)fluoranthene	53	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzo(g,h,i)perylene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzo(k)fluoranthene	43	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzoic acid	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Benzyl alcohol	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Biphenyl	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Bis(2-chloroethoxy)methane	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Bis(2-chloroethyl)ether	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Bis(2-chloroisopropyl)ether	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Bis(2-ethylhexyl)phthalate	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Butyl benzyl phthalate	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Caprolactam	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Carbazole	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Chrysene	78	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Dibenzo(a,h)anthracene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Dibenzofuran	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Diethyl phthalate	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Dimethyl phthalate	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Di-n-butyl phthalate	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Di-n-octyl phthalate	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Fluoranthene	150	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Fluorene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Hexachlorobenzene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Hexachlorobutadiene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Hexachlorocyclopentadiene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	B-9 (4-6ft)
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 8:41:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1204234-06B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Hexachloroethane	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Indeno(1,2,3-c,d)pyrene	49	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Isophorone	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Naphthalene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Nitrobenzene	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
N-Nitrosodimethylamine	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
N-Nitrosodi-n-propylamine	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
N-Nitrosodiphenylamine	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Parathion	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Pentachlorophenol	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Phenanthrene	130	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Phenol	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Pyrene	150	29	290	J	µg/Kg-dry	1	5/2/2012 1:21:00 AM
Pyridine	U	29	290		µg/Kg-dry	1	5/2/2012 1:21:00 AM
Surr: 2,4,6-Tribromophenol	137	0	21-119	S	%REC	1	5/2/2012 1:21:00 AM
Surr: 2-Fluorobiphenyl	114	0	21-117		%REC	1	5/2/2012 1:21:00 AM
Surr: 2-Fluorophenol	44.6	0	11-105		%REC	1	5/2/2012 1:21:00 AM
Surr: 4-Terphenyl-d14	87.5	0	21-132		%REC	1	5/2/2012 1:21:00 AM
Surr: Nitrobenzene-d5	99.7	0	18-116		%REC	1	5/2/2012 1:21:00 AM
Surr: Phenol-d6	57.6	0	12-110		%REC	1	5/2/2012 1:21:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-07A

Client Sample ID: B-10 (0-2ft)  
 Collection Date: 4/25/2012 1:00:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
1,1,1,2-Tetrachloroethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,1,1-Trichloroethane	0.65	0.6	6.0	J	µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,1,2,2-Tetrachloroethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,1,2-Trichloroethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,1-Dichloroethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,1-Dichloroethene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,1-Dichloropropene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2,3-Trichlorobenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2,3-Trichloropropane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2,4,5-Tetramethylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2,4-Trichlorobenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2,4-Trimethylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2-Dibromo-3-chloropropane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2-Dibromoethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2-Dichlorobenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2-Dichloroethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,2-Dichloropropane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,3,5-Trimethylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,3-Dichlorobenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,3-dichloropropane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,4-Dichlorobenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
1,4-Dioxane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
2,2-Dichloropropane	U	0.6	6.0	C	µg/Kg-dry	1	4/28/2012 2:04:00 AM
2-Butanone	U	1.8	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
2-Chloroethyl vinyl ether	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
2-Chlorotoluene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
2-Hexanone	U	1.8	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
2-Propanol	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
4-Chlorotoluene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
4-Isopropyltoluene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
4-Methyl-2-pentanone	U	1.8	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Acetone	U	1.8	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-07A

Client Sample ID: B-10 (0-2ft)  
 Collection Date: 4/25/2012 1:00:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
Acrolein	U	3	12	C	µg/Kg-dry	1	4/28/2012 2:04:00 AM
Acrylonitrile	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Benzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Bromobenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Bromochloromethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Bromodichloromethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Bromoform	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Bromomethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Carbon disulfide	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Carbon tetrachloride	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Chlorobenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Chlorodifluoromethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Chloroethane	U	0.6	6.0	C	µg/Kg-dry	1	4/28/2012 2:04:00 AM
Chloroform	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Chloromethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
cis-1,2-Dichloroethene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
cis-1,3-Dichloropropene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Dibromochloromethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Dibromomethane	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Dichlorodifluoromethane	U	0.6	6.0	C	µg/Kg-dry	1	4/28/2012 2:04:00 AM
Diisopropyl ether	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Ethanol	U	3	12		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Ethyl acetate	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Ethylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Freon-114	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Hexachlorobutadiene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Isopropyl acetate	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Isopropylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
m,p-Xylene	U	1.2	12		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Methyl Acetate	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Methyl tert-butyl ether	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Methylene chloride	8.6	0.6	6.0	B	µg/Kg-dry	1	4/28/2012 2:04:00 AM
n-Amyl acetate	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

**Date:** 07-May-12

**ELAP ID :** 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	B-10 (0-2ft)
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 1:00:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	SOIL
<b>Lab ID:</b>	1204234-07A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Naphthalene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
n-Butyl acetate	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
n-Butylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
n-Propyl acetate	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
n-Propylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
o-Xylene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
p-Diethylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
p-Ethyltoluene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
sec-Butylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Styrene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
t-Butyl alcohol	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
tert-Butylbenzene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Tetrachloroethene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Toluene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
trans-1,2-Dichloroethene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
trans-1,3-Dichloropropene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Trichloroethene	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Trichlorofluoromethane	U	0.6	6.0	C	µg/Kg-dry	1	4/28/2012 2:04:00 AM
Vinyl acetate	U	0.6	6.0		µg/Kg-dry	1	4/28/2012 2:04:00 AM
Vinyl chloride	U	0.6	6.0	C	µg/Kg-dry	1	4/28/2012 2:04:00 AM
Surr: 4-Bromofluorobenzene	75.6	0	42-133		%REC	1	4/28/2012 2:04:00 AM
Surr: Dibromofluoromethane	89.1	0	50-133		%REC	1	4/28/2012 2:04:00 AM
Surr: Toluene-d8	89.1	0	53-130		%REC	1	4/28/2012 2:04:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-10 (0-2ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 1:00:00 PM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-07B	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>SW7471B</b>		<b>SW7471B</b>		<b>Analyst: JP</b>
Mercury	10.7	0.14	0.274		mg/Kg-dry	25	5/1/2012 2:37:17 PM
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
			<b>SW8082A</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
Aroclor 1016	U	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Aroclor 1221	U	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Aroclor 1232	U	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Aroclor 1242	U	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Aroclor 1248	U	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Aroclor 1254	U	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Aroclor 1260	69	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Aroclor 1262	U	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Aroclor 1268	66	1.48	3.0		µg/Kg-dry	1	5/3/2012 6:29:00 AM
Surr: TCX	114	0	17-151		%REC	1	5/3/2012 6:29:00 AM
Surr: DCB	223	0	16-152	S	%REC	1	5/3/2012 6:29:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3550C</b>		<b>Analyst: SB</b>
4,4'-DDD	38	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
4,4'-DDE	41	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
4,4'-DDT	480	2.37	9.5		µg/Kg-dry	20	5/4/2012 11:28:00 AM
Aldrin	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
alpha-BHC	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
beta-BHC	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Chlordane	U	0.3	1.2		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Chlorobenzilate	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
DBCP	U	0.24	0.95		µg/Kg-dry	1	5/2/2012 6:28:00 PM
delta-BHC	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Dieldrin	7.2	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Endosulfan I	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Endosulfan II	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Endosulfan sulfate	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Endrin	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Endrin aldehyde	U	0.24	0.95	C	µg/Kg-dry	1	5/2/2012 6:28:00 PM
Endrin ketone	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
gamma-BHC	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-07B

Client Sample ID: B-10 (0-2ft)  
 Collection Date: 4/25/2012 1:00:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: SB
Heptachlor	6.2	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Heptachlor epoxide	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Hexachlorobenzene	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Hexachlorocyclopentadiene	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Methoxychlor	U	0.12	0.47		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Toxaphene	U	2.96	12		µg/Kg-dry	1	5/2/2012 6:28:00 PM
Surr: DCB	315	0	23-157	S	%REC	20	5/4/2012 11:28:00 AM
Surr: DCB	207	0	23-157	S	%REC	1	5/2/2012 6:28:00 PM
Surr: TCX	106	0	21-151		%REC	20	5/4/2012 11:28:00 AM
Surr: TCX	67.2	0	21-151		%REC	1	5/2/2012 6:28:00 PM
<b>PERCENT MOISTURE</b>							
							Analyst: CF
Percent Moisture	17.0	0	0		wt%	1	5/1/2012
<b>TARGET ANALYTE LIST METALS</b>							
							Analyst: JP
Aluminum	5130	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Antimony	U	0.24	0.598		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Arsenic	26.9	0.24	0.598		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Barium	366	0.24	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Beryllium	U	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Cadmium	1.37	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Calcium	18800	2.39	5.98		mg/Kg-dry	10	5/1/2012 11:33:16 AM
Chromium	20.7	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Cobalt	U	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Copper	74.7	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Iron	17400	2.39	4.78		mg/Kg-dry	10	5/1/2012 11:33:16 AM
Lead	466	0.24	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Magnesium	1780	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Manganese	260	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Nickel	16.5	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Potassium	1020	0.24	0.598		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Selenium	2.89	0.24	0.598		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Silver	0.226	0.12	0.478	J	mg/Kg-dry	1	5/1/2012 10:52:15 AM
Sodium	397	0.24	0.598		mg/Kg-dry	1	5/1/2012 10:52:15 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-07B

Client Sample ID: B-10 (0-2ft)  
 Collection Date: 4/25/2012 1:00:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses Sample Result LOD LOQ Qual Units DF Date/Time Analyzed

TARGET ANALYTE LIST METALS

SW6010C

SW3050B

Analyst: JP

Thallium	U	0.36	0.598		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Vanadium	22.1	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM
Zinc	403	0.12	0.478		mg/Kg-dry	1	5/1/2012 10:52:15 AM

SEMIVOLATILE SW-846 METHOD 8270

SW8270D

SW3550C

Analyst: LDS

1,2,4-Trichlorobenzene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
1,2-Dichlorobenzene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
1,3-Dichlorobenzene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
1,4-Dichlorobenzene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2,4,5-Trichlorophenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2,4,6-Trichlorophenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2,4-Dichlorophenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2,4-Dimethylphenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2,4-Dinitrophenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2,4-Dinitrotoluene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2,6-Dinitrotoluene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2-Chloronaphthalene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2-Chlorophenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2-Methylnaphthalene	310	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2-Methylphenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2-Nitroaniline	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
2-Nitrophenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
3,3'-Dichlorobenzidine	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
3+4-Methylphenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
3-Nitroaniline	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
4,6-Dinitro-2-methylphenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
4-Bromophenyl phenyl ether	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
4-Chloro-3-methylphenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
4-Chloroaniline	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
4-Chlorophenyl phenyl ether	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
4-Nitroaniline	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
4-Nitrophenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Acenaphthene	1400	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-07B

Client Sample ID: B-10 (0-2ft)  
 Collection Date: 4/25/2012 1:00:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		Analyst: LDS
Acenaphthylene	180	29.6	300	J	µg/Kg-dry	1	5/2/2012 1:45:00 AM
Acetophenone	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Aniline	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Anthracene	2500	296	3000	J	µg/Kg-dry	10	5/2/2012 3:28:00 PM
Atrazine	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Azobenzene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Benzaldehyde	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Benzidine	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Benzo(a)anthracene	7900	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Benzo(a)pyrene	6200	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Benzo(b)fluoranthene	8000	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Benzo(g,h,i)perylene	4400	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Benzo(k)fluoranthene	9700	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Benzoic acid	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Benzyl alcohol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Biphenyl	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Bis(2-chloroethoxy)methane	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Bis(2-chloroethyl)ether	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Bis(2-chloroisopropyl)ether	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Bis(2-ethylhexyl)phthalate	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Butyl benzyl phthalate	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Caprolactam	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Carbazole	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Chrysene	7100	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Dibenzo(a,h)anthracene	1400	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Dibenzofuran	810	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Diethyl phthalate	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Dimethyl phthalate	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Di-n-butyl phthalate	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Di-n-octyl phthalate	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Fluoranthene	18000	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Fluorene	1100	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Hexachlorobenzene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-07B

Client Sample ID: B-10 (0-2ft)  
 Collection Date: 4/25/2012 1:00:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		Analyst: LDS
Hexachlorobutadiene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Hexachlorocyclopentadiene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Hexachloroethane	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Indeno(1,2,3-c,d)pyrene	3300	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Isophorone	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Naphthalene	600	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Nitrobenzene	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
N-Nitrosodimethylamine	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
N-Nitrosodi-n-propylamine	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
N-Nitrosodiphenylamine	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Parathion	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Pentachlorophenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Phenanthrene	13000	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Phenol	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Pyrene	16000	296	3000		µg/Kg-dry	10	5/2/2012 3:28:00 PM
Pyridine	U	29.6	300		µg/Kg-dry	1	5/2/2012 1:45:00 AM
Surr: 2,4,6-Tribromophenol	153	0	21-119	S	%REC	1	5/2/2012 1:45:00 AM
Surr: 2,4,6-Tribromophenol	104	0	21-119		%REC	10	5/2/2012 3:28:00 PM
Surr: 2-Fluorobiphenyl	114	0	21-117		%REC	1	5/2/2012 1:45:00 AM
Surr: 2-Fluorobiphenyl	57.9	0	21-117		%REC	10	5/2/2012 3:28:00 PM
Surr: 2-Fluorophenol	57.8	0	11-105		%REC	1	5/2/2012 1:45:00 AM
Surr: 2-Fluorophenol	22.4	0	11-105		%REC	10	5/2/2012 3:28:00 PM
Surr: 4-Terphenyl-d14	98.5	0	21-132		%REC	1	5/2/2012 1:45:00 AM
Surr: 4-Terphenyl-d14	58.4	0	21-132		%REC	10	5/2/2012 3:28:00 PM
Surr: Nitrobenzene-d5	38.6	0	18-116		%REC	10	5/2/2012 3:28:00 PM
Surr: Nitrobenzene-d5	101	0	18-116		%REC	1	5/2/2012 1:45:00 AM
Surr: Phenol-d6	37.8	0	12-110		%REC	10	5/2/2012 3:28:00 PM
Surr: Phenol-d6	69.7	0	12-110		%REC	1	5/2/2012 1:45:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-08A

Client Sample ID: B-10 (2-4ft)  
 Collection Date: 4/25/2012 1:15:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
1,1,1,2-Tetrachloroethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,1,1-Trichloroethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,1,2,2-Tetrachloroethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,1,2-Trichloroethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,1-Dichloroethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,1-Dichloroethene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,1-Dichloropropene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2,3-Trichlorobenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2,3-Trichloropropane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2,4,5-Tetramethylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2,4-Trichlorobenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2,4-Trimethylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2-Dibromo-3-chloropropane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2-Dibromoethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2-Dichlorobenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2-Dichloroethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,2-Dichloropropane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,3,5-Trimethylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,3-Dichlorobenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,3-dichloropropane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,4-Dichlorobenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
1,4-Dioxane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
2,2-Dichloropropane	U	0.65	6.5	C	µg/Kg-dry	1	4/28/2012 2:55:00 AM
2-Butanone	U	1.9	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
2-Chloroethyl vinyl ether	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
2-Chlorotoluene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
2-Hexanone	U	1.9	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
2-Propanol	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
4-Chlorotoluene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
4-Isopropyltoluene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
4-Methyl-2-pentanone	U	1.9	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Acetone	U	1.9	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-08A

Client Sample ID: B-10 (2-4ft)  
 Collection Date: 4/25/2012 1:15:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
Acrolein	U	3.2	13	C	µg/Kg-dry	1	4/28/2012 2:55:00 AM
Acrylonitrile	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Benzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Bromobenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Bromochloromethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Bromodichloromethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Bromoform	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Bromomethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Carbon disulfide	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Carbon tetrachloride	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Chlorobenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Chlorodifluoromethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Chloroethane	U	0.65	6.5	C	µg/Kg-dry	1	4/28/2012 2:55:00 AM
Chloroform	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Chloromethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
cis-1,2-Dichloroethene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
cis-1,3-Dichloropropene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Dibromochloromethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Dibromomethane	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Dichlorodifluoromethane	U	0.65	6.5	C	µg/Kg-dry	1	4/28/2012 2:55:00 AM
Diisopropyl ether	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Ethanol	U	3.2	13		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Ethyl acetate	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Ethylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Freon-114	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Hexachlorobutadiene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Isopropyl acetate	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Isopropylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
m,p-Xylene	U	1.3	13		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Methyl Acetate	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Methyl tert-butyl ether	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Methylene chloride	14	0.65	6.5	B	µg/Kg-dry	1	4/28/2012 2:55:00 AM
n-Amyl acetate	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-08A

Client Sample ID: B-10 (2-4ft)  
 Collection Date: 4/25/2012 1:15:00 PM  
 Matrix: SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		Analyst: LA		
Naphthalene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
n-Butyl acetate	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
n-Butylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
n-Propyl acetate	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
n-Propylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
o-Xylene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
p-Diethylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
p-Ethyltoluene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
sec-Butylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Styrene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
t-Butyl alcohol	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
tert-Butylbenzene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Tetrachloroethene	1.4	0.65	6.5	J	µg/Kg-dry	1	4/28/2012 2:55:00 AM
Toluene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
trans-1,2-Dichloroethene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
trans-1,3-Dichloropropene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Trichloroethene	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Trichlorofluoromethane	U	0.65	6.5	C	µg/Kg-dry	1	4/28/2012 2:55:00 AM
Vinyl acetate	U	0.65	6.5		µg/Kg-dry	1	4/28/2012 2:55:00 AM
Vinyl chloride	U	0.65	6.5	C	µg/Kg-dry	1	4/28/2012 2:55:00 AM
Surr: 4-Bromofluorobenzene	78.5	0	42-133		%REC	1	4/28/2012 2:55:00 AM
Surr: Dibromofluoromethane	90.1	0	50-133		%REC	1	4/28/2012 2:55:00 AM
Surr: Toluene-d8	88.6	0	53-130		%REC	1	4/28/2012 2:55:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-10 (2-4ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 1:15:00 PM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-08B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
Mercury	1.64	0.03	0.0598		mg/Kg-dry	5	5/1/2012 2:39:25 PM
							Analyst: JP
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>							
							Analyst: SB
Aroclor 1016	U	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Aroclor 1221	U	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Aroclor 1232	U	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Aroclor 1242	U	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Aroclor 1248	U	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Aroclor 1254	U	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Aroclor 1260	66	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Aroclor 1262	U	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Aroclor 1268	22	1.6	3.2		µg/Kg-dry	1	5/3/2012 6:53:00 AM
Surr: TCX	111	0	17-151		%REC	1	5/3/2012 6:53:00 AM
Surr: DCB	155	0	16-152	S	%REC	1	5/3/2012 6:53:00 AM
<b>PESTICIDES SW-846 METHOD 8081</b>							
							Analyst: SB
4,4'-DDD	110	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
4,4'-DDE	180	2.56	10		µg/Kg-dry	20	5/4/2012 11:42:00 AM
4,4'-DDT	890	2.56	10		µg/Kg-dry	20	5/4/2012 11:42:00 AM
Aldrin	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
alpha-BHC	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
beta-BHC	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Chlordane	790	6.39	26		µg/Kg-dry	20	5/4/2012 11:42:00 AM
Chlorobenzilate	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
DBCP	U	0.26	1.0		µg/Kg-dry	1	5/2/2012 6:42:00 PM
delta-BHC	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Dieldrin	17	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Endosulfan I	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Endosulfan II	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Endosulfan sulfate	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Endrin	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Endrin aldehyde	U	0.26	1.0	C	µg/Kg-dry	1	5/2/2012 6:42:00 PM
Endrin ketone	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
gamma-BHC	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-08B

Client Sample ID: B-10 (2-4ft)  
 Collection Date: 4/25/2012 1:15:00 PM  
 Matrix: SOIL

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3550C</b>		Analyst: SB
Heptachlor	11	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Heptachlor epoxide	30	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Hexachlorobenzene	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Hexachlorocyclopentadiene	U	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Methoxychlor	27	0.13	0.51		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Toxaphene	U	3.2	13		µg/Kg-dry	1	5/2/2012 6:42:00 PM
Surr: DCB	187	0	23-157	S	%REC	20	5/4/2012 11:42:00 AM
Surr: DCB	114	0	23-157		%REC	1	5/2/2012 6:42:00 PM
Surr: TCX	79.0	0	21-151		%REC	1	5/2/2012 6:42:00 PM
Surr: TCX	79.4	0	21-151		%REC	20	5/4/2012 11:42:00 AM
<b>PERCENT MOISTURE</b>			<b>D2216</b>				Analyst: CF
Percent Moisture	23.3	0	0		wt%	1	5/1/2012
<b>TARGET ANALYTE LIST METALS</b>			<b>SW6010C</b>		<b>SW3050B</b>		Analyst: JP
Aluminum	3880	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Antimony	U	0.24	0.610		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Arsenic	9.64	0.24	0.610		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Barium	409	0.24	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Beryllium	U	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Cadmium	1.11	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Calcium	40100	2.44	6.10		mg/Kg-dry	10	5/1/2012 11:35:18 AM
Chromium	13.8	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Cobalt	U	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Copper	35.7	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Iron	18100	2.44	4.88		mg/Kg-dry	10	5/1/2012 11:35:18 AM
Lead	274	0.24	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Magnesium	4180	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Manganese	315	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Nickel	9.74	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Potassium	1220	0.24	0.610		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Selenium	1.42	0.24	0.610		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Silver	0.157	0.12	0.488	J	mg/Kg-dry	1	5/1/2012 10:54:17 AM
Sodium	320	0.24	0.610		mg/Kg-dry	1	5/1/2012 10:54:17 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: B-10 (2-4ft)  
 Lab Order: 1204234 Collection Date: 4/25/2012 1:15:00 PM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: SOIL  
 Lab ID: 1204234-08B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>TARGET ANALYTE LIST METALS</b>							
							Analyst: JP
Thallium	0.488	0.37	0.610	J	mg/Kg-dry	1	5/1/2012 10:54:17 AM
Vanadium	14.3	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
Zinc	409	0.12	0.488		mg/Kg-dry	1	5/1/2012 10:54:17 AM
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
							Analyst: LDS
1,2,4-Trichlorobenzene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
1,2-Dichlorobenzene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
1,3-Dichlorobenzene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
1,4-Dichlorobenzene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2,4,5-Trichlorophenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2,4,6-Trichlorophenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2,4-Dichlorophenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2,4-Dimethylphenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2,4-Dinitrophenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2,4-Dinitrotoluene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2,6-Dinitrotoluene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2-Chloronaphthalene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2-Chlorophenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2-Methylnaphthalene	2700	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2-Methylphenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2-Nitroaniline	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
2-Nitrophenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
3,3'-Dichlorobenzidine	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
3+4-Methylphenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
3-Nitroaniline	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
4,6-Dinitro-2-methylphenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
4-Bromophenyl phenyl ether	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
4-Chloro-3-methylphenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
4-Chloroaniline	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
4-Chlorophenyl phenyl ether	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
4-Nitroaniline	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
4-Nitrophenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Acenaphthene	5000	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-08B

Client Sample ID: B-10 (2-4ft)  
 Collection Date: 4/25/2012 1:15:00 PM  
 Matrix: SOIL

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							
			<b>SW8270D</b>		<b>SW3550C</b>		Analyst: <b>LDS</b>
Acenaphthylene	160	32	320	J	µg/Kg-dry	1	5/2/2012 2:09:00 AM
Acetophenone	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Aniline	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Anthracene	40000	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Atrazine	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Azobenzene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Benzaldehyde	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Benzidine	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Benzo(a)anthracene	9800	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Benzo(a)pyrene	6200	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Benzo(b)fluoranthene	8400	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Benzo(g,h,i)perylene	3400	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Benzo(k)fluoranthene	9300	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Benzoic acid	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Benzyl alcohol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Biphenyl	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Bis(2-chloroethoxy)methane	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Bis(2-chloroethyl)ether	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Bis(2-chloroisopropyl)ether	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Bis(2-ethylhexyl)phthalate	1600	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Butyl benzyl phthalate	4200	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Caprolactam	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Carbazole	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Chrysene	5900	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Dibenzo(a,h)anthracene	1200	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Dibenzofuran	4200	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Diethyl phthalate	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Dimethyl phthalate	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Di-n-butyl phthalate	1500	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Di-n-octyl phthalate	780	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Fluoranthene	28000	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Fluorene	4200	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Hexachlorobenzene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> B-10 (2-4ft)
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 1:15:00 PM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> SOIL
<b>Lab ID:</b> 1204234-08B	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3550C</b>		<b>Analyst: LDS</b>
Hexachlorobutadiene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Hexachlorocyclopentadiene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Hexachloroethane	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Indeno(1,2,3-c,d)pyrene	4500	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Isophorone	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Naphthalene	5000	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Nitrobenzene	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
N-Nitrosodimethylamine	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
N-Nitrosodi-n-propylamine	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
N-Nitrosodiphenylamine	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Parathion	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Pentachlorophenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Phenanthrene	42000	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Phenol	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Pyrene	26000	320	3200		µg/Kg-dry	10	5/2/2012 3:55:00 PM
Pyridine	U	32	320		µg/Kg-dry	1	5/2/2012 2:09:00 AM
Surr: 2,4,6-Tribromophenol	80.8	0	21-119		%REC	10	5/2/2012 3:55:00 PM
Surr: 2,4,6-Tribromophenol	167	0	21-119	S	%REC	1	5/2/2012 2:09:00 AM
Surr: 2-Fluorobiphenyl	102	0	21-117		%REC	1	5/2/2012 2:09:00 AM
Surr: 2-Fluorobiphenyl	52.5	0	21-117		%REC	10	5/2/2012 3:55:00 PM
Surr: 2-Fluorophenol	46.8	0	11-105		%REC	1	5/2/2012 2:09:00 AM
Surr: 2-Fluorophenol	22.7	0	11-105		%REC	10	5/2/2012 3:55:00 PM
Surr: 4-Terphenyl-d14	87.2	0	21-132		%REC	1	5/2/2012 2:09:00 AM
Surr: 4-Terphenyl-d14	64.4	0	21-132		%REC	10	5/2/2012 3:55:00 PM
Surr: Nitrobenzene-d5	37.6	0	18-116		%REC	10	5/2/2012 3:55:00 PM
Surr: Nitrobenzene-d5	90.8	0	18-116		%REC	1	5/2/2012 2:09:00 AM
Surr: Phenol-d6	58.7	0	12-110		%REC	1	5/2/2012 2:09:00 AM
Surr: Phenol-d6	35.6	0	12-110		%REC	10	5/2/2012 3:55:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-09A

Client Sample ID: GW-4  
 Collection Date: 4/25/2012 2:00:00 PM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethan	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,2,3-Trichloropropane	U	0.25	1.0	C	µg/L	1	5/2/2012 2:43:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0	C	µg/L	1	5/2/2012 2:43:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
2-Butanone	U	1.25	2.5		µg/L	1	5/2/2012 2:43:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0		µg/L	1	5/2/2012 2:43:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	5/2/2012 2:43:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	5/2/2012 2:43:00 AM
Acetone	U	1.25	5.0		µg/L	1	5/2/2012 2:43:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-09A

Client Sample ID: GW-4  
 Collection Date: 4/25/2012 2:00:00 PM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
Acrolein	U	5	10	C	µg/L	1	5/2/2012 2:43:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Benzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	5/2/2012 2:43:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Bromoform	U	0.25	1.0	C	µg/L	1	5/2/2012 2:43:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Carbon disulfide	0.50	0.25	1.0	J	µg/L	1	5/2/2012 2:43:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Chloroethane	U	0.25	1.0	C	µg/L	1	5/2/2012 2:43:00 AM
Chloroform	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 2:43:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Ethanol	U	2.5	5.0		µg/L	1	5/2/2012 2:43:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 2:43:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Freon-114	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	5/2/2012 2:43:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	5/2/2012 2:43:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	5/2/2012 2:43:00 AM
Methyl tert-butyl ether	0.77	0.25	1.0	J	µg/L	1	5/2/2012 2:43:00 AM
Methylene chloride	3.7	0.25	1.0	B	µg/L	1	5/2/2012 2:43:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-4
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 2:00:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-09A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>				<b>Analyst: LA</b>
Naphthalene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	5/2/2012 2:43:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 2:43:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	5/2/2012 2:43:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Styrene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	5/2/2012 2:43:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	5/2/2012 2:43:00 AM
Toluene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Trichlorofluoromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 2:43:00 AM
Vinyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	5/2/2012 2:43:00 AM
Surr: 4-Bromofluorobenzene	85.4	0	63-123		%REC	1	5/2/2012 2:43:00 AM
Surr: Dibromofluoromethane	102	0	68-124		%REC	1	5/2/2012 2:43:00 AM
Surr: Toluene-d8	89.1	0	67-125		%REC	1	5/2/2012 2:43:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-09B

Client Sample ID: GW-4  
 Collection Date: 4/25/2012 2:00:00 PM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		<b>Analyst: LDS</b>
1,2,4-Trichlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
1,2-Dichlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
1,3-Dichlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
1,4-Dichlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2,4,5-Trichlorophenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2,4,6-Trichlorophenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2,4-Dichlorophenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2,4-Dimethylphenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2,4-Dinitrophenol	U	0.5	10		µg/L	1	5/2/2012 6:37:00 AM
2,4-Dinitrotoluene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2,6-Dinitrotoluene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2-Chloronaphthalene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2-Chlorophenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2-Methylnaphthalene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2-Methylphenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2-Nitroaniline	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
2-Nitrophenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
3,3'-Dichlorobenzidine	U	1	10		µg/L	1	5/2/2012 6:37:00 AM
3+4-Methylphenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
3-Nitroaniline	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
4,6-Dinitro-2-methylphenol	U	1	10		µg/L	1	5/2/2012 6:37:00 AM
4-Bromophenyl phenyl ether	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
4-Chloro-3-methylphenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
4-Chloroaniline	U	1	10		µg/L	1	5/2/2012 6:37:00 AM
4-Chlorophenyl phenyl ether	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
4-Nitroaniline	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
4-Nitrophenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Acenaphthene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Acenaphthylene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Acetophenone	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Aniline	U	1	10		µg/L	1	5/2/2012 6:37:00 AM
Anthracene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Atrazine	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-4
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 2:00:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-09B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>				<b>Analyst: LDS</b>
			<b>SW3510C</b>				
Azobenzene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Benzaldehyde	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Benzidine	U	1	10		µg/L	1	5/2/2012 6:37:00 AM
Benzo(a)anthracene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Benzo(a)pyrene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Benzo(b)fluoranthene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Benzo(g,h,i)perylene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Benzo(k)fluoranthene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Benzoic acid	U	1	10		µg/L	1	5/2/2012 6:37:00 AM
Benzyl alcohol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Biphenyl	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Bis(2-chloroethoxy)methane	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Bis(2-chloroethyl)ether	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Bis(2-chloroisopropyl)ether	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Bis(2-ethylhexyl)phthalate	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Butyl benzyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Caprolactam	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Carbazole	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Chrysene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Dibenzo(a,h)anthracene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Dibenzofuran	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Diethyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Dimethyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Di-n-butyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Di-n-octyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Fluoranthene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Fluorene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Hexachlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Hexachlorobutadiene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Hexachlorocyclopentadiene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Hexachloroethane	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Isophorone	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-09B

Client Sample ID: GW-4  
 Collection Date: 4/25/2012 2:00:00 PM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							Analyst: LDS
			<b>SW8270D</b>		<b>SW3510C</b>		
Naphthalene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Nitrobenzene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
N-Nitrosodimethylamine	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
N-Nitrosodi-n-propylamine	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
N-Nitrosodiphenylamine	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Parathion	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Pentachlorophenol	U	1	10		µg/L	1	5/2/2012 6:37:00 AM
Phenanthrene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Phenol	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Pyrene	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Pyridine	U	0.5	5.0		µg/L	1	5/2/2012 6:37:00 AM
Surr: 2,4,6-Tribromophenol	155	0	36-133	S	%REC	1	5/2/2012 6:37:00 AM
Surr: 2-Fluorobiphenyl	123	0	20-131		%REC	1	5/2/2012 6:37:00 AM
Surr: 2-Fluorophenol	70.9	0	16-103		%REC	1	5/2/2012 6:37:00 AM
Surr: 4-Terphenyl-d14	101	0	22-132		%REC	1	5/2/2012 6:37:00 AM
Surr: Nitrobenzene-d5	133	0	19-133		%REC	1	5/2/2012 6:37:00 AM
Surr: Phenol-d6	47.8	0	12-98		%REC	1	5/2/2012 6:37:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

**CLIENT:** CA Rich Consultants Inc.  
**Lab Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**Lab ID:** 1204234-09C

**Client Sample ID:** GW-4  
**Collection Date:** 4/25/2012 2:00:00 PM  
**Matrix:** LIQUID

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3510C</b>		<b>Analyst: SB</b>
4,4'-DDD	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
4,4'-DDE	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
4,4'-DDT	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Aldrin	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
alpha-BHC	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
beta-BHC	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Chlordane	U	0.05	1.0		µg/L	1	5/3/2012 12:53:00 AM
Chlorobenzilate	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
DBCP	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
delta-BHC	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Dieldrin	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Endosulfan I	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Endosulfan II	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Endosulfan sulfate	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Endrin	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Endrin aldehyde	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Endrin ketone	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
gamma-BHC	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Heptachlor	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Heptachlor epoxide	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Hexachlorobenzene	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Hexachlorocyclopentadiene	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Methoxychlor	U	0.02	0.40		µg/L	1	5/3/2012 12:53:00 AM
Toxaphene	U	0.5	10		µg/L	1	5/3/2012 12:53:00 AM
Surr: DCB	75.6	0	11-109		%REC	1	5/3/2012 12:53:00 AM
Surr: TCX	80.6	0	14-110		%REC	1	5/3/2012 12:53:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-4
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 2:00:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-09D		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>			<b>SW8082A</b>		<b>SW3510C</b>		<b>Analyst: SB</b>
Aroclor 1016	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Aroclor 1221	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Aroclor 1232	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Aroclor 1242	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Aroclor 1248	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Aroclor 1254	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Aroclor 1260	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Aroclor 1262	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Aroclor 1268	U	0.03	0.050		µg/L	1	5/3/2012 1:20:00 PM
Surr: DCB	72.5	0	15-147		%REC	1	5/3/2012 1:20:00 PM
Surr: TCX	87.9	0	19-135		%REC	1	5/3/2012 1:20:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> GW-4
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 2:00:00 PM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> LIQUID
<b>Lab ID:</b> 1204234-09E	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>				<b>E245.1</b>			<b>Analyst: JP</b>
Mercury	0.00109	0.0001	0.000200		mg/L	1	5/3/2012 11:18:04 AM
<b>TARGET ANALYTE LIST METALS</b>				<b>E200.7</b>	<b>SW3010A</b>		<b>Analyst: JP</b>
Aluminum	182	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Antimony	U	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Arsenic	0.0879	0.01	0.0250		mg/L	1	5/1/2012 3:02:02 PM
Barium	1.70	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Beryllium	U	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Cadmium	U	0.005	0.0100		mg/L	1	5/1/2012 3:02:02 PM
Calcium	204	0.005	0.0250		mg/L	1	5/1/2012 3:02:02 PM
Chromium	0.490	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Cobalt	0.0404	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Copper	0.676	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Iron	498	0.1	0.400		mg/L	20	5/1/2012 3:30:08 PM
Lead	1.09	0.005	0.0150		mg/L	1	5/1/2012 3:02:02 PM
Magnesium	89.3	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Manganese	16.9	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Nickel	0.385	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Potassium	65.1	0.05	0.100		mg/L	1	5/1/2012 3:02:02 PM
Selenium	U	0.01	0.0250		mg/L	1	5/1/2012 3:02:02 PM
Silver	U	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Sodium	23.4	0.005	0.0300		mg/L	1	5/1/2012 3:02:02 PM
Thallium	0.0133	0.01	0.0150	J	mg/L	1	5/1/2012 3:02:02 PM
Vanadium	0.633	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM
Zinc	1.46	0.005	0.0200		mg/L	1	5/1/2012 3:02:02 PM

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<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	C Calibration %RSD/%D exceeded for non-CCC analytes
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-4
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 2:00:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-09F		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY-DISSOLVED</b>							
Mercury	U	0.0001	0.000200		mg/L	1	5/3/2012 11:42:00 AM
<b>TARGET ANALYTE LIST METALS-DISSOLVED</b>							
Aluminum	0.155	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Antimony	U	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Arsenic	U	0.01	0.0250		mg/L	1	4/26/2012 1:02:01 PM
Barium	0.282	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Beryllium	U	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Cadmium	U	0.005	0.0100		mg/L	1	4/26/2012 1:02:01 PM
Calcium	225	0.005	0.0250		mg/L	1	4/26/2012 1:02:01 PM
Chromium	U	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Cobalt	0.00826	0.005	0.0200	J	mg/L	1	4/26/2012 1:02:01 PM
Copper	U	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Iron	0.118	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Lead	U	0.005	0.0150		mg/L	1	4/26/2012 1:02:01 PM
Magnesium	53.5	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Manganese	8.27	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Nickel	0.0176	0.005	0.0200	J	mg/L	1	4/26/2012 1:02:01 PM
Potassium	44.8	0.05	0.100		mg/L	1	4/26/2012 1:02:01 PM
Selenium	U	0.01	0.0250		mg/L	1	4/26/2012 1:02:01 PM
Silver	U	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Sodium	29.7	0.005	0.0300		mg/L	1	4/26/2012 1:02:01 PM
Thallium	U	0.01	0.0150		mg/L	1	4/26/2012 1:02:01 PM
Vanadium	U	0.005	0.0200		mg/L	1	4/26/2012 1:02:01 PM
Zinc	0.00579	0.005	0.0200	J	mg/L	1	4/26/2012 1:02:01 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-5
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:15:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-10A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,1,1-Trichloroethane	7.6	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,1-Dichloroethane	0.81	0.5	1.0	J	µg/L	1	5/2/2012 3:16:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,2,3-Trichloropropane	U	0.25	1.0	C	µg/L	1	5/2/2012 3:16:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0	C	µg/L	1	5/2/2012 3:16:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
2-Butanone	U	1.25	2.5		µg/L	1	5/2/2012 3:16:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0		µg/L	1	5/2/2012 3:16:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	5/2/2012 3:16:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	5/2/2012 3:16:00 AM
Acetone	U	1.25	5.0		µg/L	1	5/2/2012 3:16:00 AM

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ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-5
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:15:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-10A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
Acrolein	U	5	10	C	µg/L	1	5/2/2012 3:16:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Benzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	5/2/2012 3:16:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Bromoform	U	0.25	1.0	C	µg/L	1	5/2/2012 3:16:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Chloroethane	U	0.25	1.0	C	µg/L	1	5/2/2012 3:16:00 AM
Chloroform	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 3:16:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Ethanol	U	2.5	5.0		µg/L	1	5/2/2012 3:16:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 3:16:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Freon-114	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	5/2/2012 3:16:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	5/2/2012 3:16:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	5/2/2012 3:16:00 AM
Methyl tert-butyl ether	0.50	0.25	1.0	J	µg/L	1	5/2/2012 3:16:00 AM
Methylene chloride	3.6	0.25	1.0	B	µg/L	1	5/2/2012 3:16:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM

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ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-5
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:15:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-10A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
Naphthalene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	5/2/2012 3:16:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 3:16:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	5/2/2012 3:16:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Styrene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	5/2/2012 3:16:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	5/2/2012 3:16:00 AM
Toluene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Trichlorofluoromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 3:16:00 AM
Vinyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	5/2/2012 3:16:00 AM
Surr: 4-Bromofluorobenzene	85.6	0	63-123		%REC	1	5/2/2012 3:16:00 AM
Surr: Dibromofluoromethane	97.2	0	68-124		%REC	1	5/2/2012 3:16:00 AM
Surr: Toluene-d8	90.3	0	67-125		%REC	1	5/2/2012 3:16:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> GW-5
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 10:15:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> LIQUID
<b>Lab ID:</b> 1204234-10B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		<b>Analyst: LDS</b>
1,2,4-Trichlorobenzene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
1,2-Dichlorobenzene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
1,3-Dichlorobenzene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
1,4-Dichlorobenzene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2,4,5-Trichlorophenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2,4,6-Trichlorophenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2,4-Dichlorophenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2,4-Dimethylphenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2,4-Dinitrophenol	U	0.63	12		µg/L	1	5/2/2012 7:01:00 AM
2,4-Dinitrotoluene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2,6-Dinitrotoluene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2-Chloronaphthalene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2-Chlorophenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2-Methylnaphthalene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2-Methylphenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2-Nitroaniline	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
2-Nitrophenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
3,3'-Dichlorobenzidine	U	1.25	12		µg/L	1	5/2/2012 7:01:00 AM
3+4-Methylphenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
3-Nitroaniline	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
4,6-Dinitro-2-methylphenol	U	1.25	12		µg/L	1	5/2/2012 7:01:00 AM
4-Bromophenyl phenyl ether	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
4-Chloro-3-methylphenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
4-Chloroaniline	U	1.25	12		µg/L	1	5/2/2012 7:01:00 AM
4-Chlorophenyl phenyl ether	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
4-Nitroaniline	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
4-Nitrophenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Acenaphthene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Acenaphthylene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Acetophenone	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Aniline	U	1.25	12		µg/L	1	5/2/2012 7:01:00 AM
Anthracene	3.1	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Atrazine	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> GW-5
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 10:15:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> LIQUID
<b>Lab ID:</b> 1204234-10B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		<b>Analyst: LDS</b>
Azobenzene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Benzaldehyde	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Benzidine	U	1.25	12		µg/L	1	5/2/2012 7:01:00 AM
Benzo(a)anthracene	2.3	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Benzo(a)pyrene	2.3	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Benzo(b)fluoranthene	1.7	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Benzo(g,h,i)perylene	0.98	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Benzo(k)fluoranthene	1.6	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Benzoic acid	U	1.25	12		µg/L	1	5/2/2012 7:01:00 AM
Benzyl alcohol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Biphenyl	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Bis(2-chloroethoxy)methane	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Bis(2-chloroethyl)ether	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Bis(2-chloroisopropyl)ether	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Bis(2-ethylhexyl)phthalate	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Butyl benzyl phthalate	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Caprolactam	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Carbazole	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Chrysene	2.4	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Dibenzo(a,h)anthracene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Dibenzofuran	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Diethyl phthalate	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Dimethyl phthalate	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Di-n-butyl phthalate	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Di-n-octyl phthalate	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Fluoranthene	4.6	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Fluorene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Hexachlorobenzene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Hexachlorobutadiene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Hexachlorocyclopentadiene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Hexachloroethane	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Indeno(1,2,3-c,d)pyrene	1.1	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Isophorone	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM

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	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-5
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:15:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-10B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		<b>Analyst: LDS</b>
Naphthalene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Nitrobenzene	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
N-Nitrosodimethylamine	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
N-Nitrosodi-n-propylamine	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
N-Nitrosodiphenylamine	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Parathion	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Pentachlorophenol	U	1.25	12		µg/L	1	5/2/2012 7:01:00 AM
Phenanthrene	3.2	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Phenol	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Pyrene	5.3	0.63	6.2	J	µg/L	1	5/2/2012 7:01:00 AM
Pyridine	U	0.63	6.2		µg/L	1	5/2/2012 7:01:00 AM
Surr: 2,4,6-Tribromophenol	139	0	36-133	S	%REC	1	5/2/2012 7:01:00 AM
Surr: 2-Fluorobiphenyl	102	0	20-131		%REC	1	5/2/2012 7:01:00 AM
Surr: 2-Fluorophenol	60.4	0	16-103		%REC	1	5/2/2012 7:01:00 AM
Surr: 4-Terphenyl-d14	99.6	0	22-132		%REC	1	5/2/2012 7:01:00 AM
Surr: Nitrobenzene-d5	112	0	19-133		%REC	1	5/2/2012 7:01:00 AM
Surr: Phenol-d6	39.4	0	12-98		%REC	1	5/2/2012 7:01:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> GW-5
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 10:15:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> LIQUID
<b>Lab ID:</b> 1204234-10C	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3510C</b>		<b>Analyst: SB</b>
4,4'-DDD	0.092	0.03	0.50	JP	µg/L	1	5/3/2012 1:07:00 AM
4,4'-DDE	0.043	0.03	0.50	J	µg/L	1	5/3/2012 1:07:00 AM
4,4'-DDT	0.39	0.03	0.50	J	µg/L	1	5/3/2012 1:07:00 AM
Aldrin	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
alpha-BHC	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
beta-BHC	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Chlordane	U	0.06	1.2		µg/L	1	5/3/2012 1:07:00 AM
Chlorobenzilate	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
DBCP	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
delta-BHC	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Dieldrin	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Endosulfan I	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Endosulfan II	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Endosulfan sulfate	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Endrin	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Endrin aldehyde	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Endrin ketone	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
gamma-BHC	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Heptachlor	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Heptachlor epoxide	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Hexachlorobenzene	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Hexachlorocyclopentadiene	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Methoxychlor	U	0.03	0.50		µg/L	1	5/3/2012 1:07:00 AM
Toxaphene	U	0.63	12		µg/L	1	5/3/2012 1:07:00 AM
Surr: DCB	114	0	11-109	S	%REC	1	5/3/2012 1:07:00 AM
Surr: TCX	101	0	14-110		%REC	1	5/3/2012 1:07:00 AM

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	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-5
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:15:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-10D		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>			<b>SW8082A</b>		<b>SW3510C</b>		Analyst: <b>SB</b>
Aroclor 1016	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Aroclor 1221	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Aroclor 1232	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Aroclor 1242	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Aroclor 1248	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Aroclor 1254	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Aroclor 1260	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Aroclor 1262	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Aroclor 1268	U	0.03	0.062		µg/L	1	5/3/2012 1:44:00 PM
Surr: DCB	102	0	15-147		%REC	1	5/3/2012 1:44:00 PM
Surr: TCX	110	0	19-135		%REC	1	5/3/2012 1:44:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-5
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 10:15:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-10E		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>							
			<b>E245.1</b>				<b>Analyst: JP</b>
Mercury	0.0566	0.001	0.00200		mg/L	10	5/3/2012 1:32:55 PM
<b>TARGET ANALYTE LIST METALS</b>							
			<b>E200.7</b>		<b>SW3010A</b>		<b>Analyst: JP</b>
Aluminum	690	0.1	0.400		mg/L	20	5/1/2012 3:32:10 PM
Antimony	U	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Arsenic	0.196	0.01	0.0250		mg/L	1	5/1/2012 3:04:05 PM
Barium	13.0	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Beryllium	U	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Cadmium	0.0151	0.005	0.0100		mg/L	1	5/1/2012 3:04:05 PM
Calcium	469	0.1	0.500		mg/L	20	5/1/2012 3:32:10 PM
Chromium	1.32	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Cobalt	0.0813	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Copper	3.20	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Iron	1240	0.1	0.400		mg/L	20	5/1/2012 3:32:10 PM
Lead	22.4	0.005	0.0150		mg/L	1	5/1/2012 3:04:05 PM
Magnesium	143	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Manganese	38.5	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Nickel	0.959	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Potassium	85.8	0.05	0.100		mg/L	1	5/1/2012 3:04:05 PM
Selenium	U	0.01	0.0250		mg/L	1	5/1/2012 3:04:05 PM
Silver	0.0128	0.005	0.0200	J	mg/L	1	5/1/2012 3:04:05 PM
Sodium	22.5	0.005	0.0300		mg/L	1	5/1/2012 3:04:05 PM
Thallium	0.0252	0.01	0.0150		mg/L	1	5/1/2012 3:04:05 PM
Vanadium	1.18	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM
Zinc	8.68	0.005	0.0200		mg/L	1	5/1/2012 3:04:05 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-10F

Client Sample ID: GW-5  
 Collection Date: 4/25/2012 10:15:00 AM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY-DISSOLVED</b>			<b>E245.1</b>		<b>SW3005A</b>		Analyst: JP
Mercury	U	0.0001	0.000200		mg/L	1	5/3/2012 11:44:14 AM
<b>TARGET ANALYTE LIST METALS-DISSOLVED</b>			<b>E200.7</b>		<b>SW3005A</b>		Analyst: JP
Aluminum	0.0540	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Antimony	U	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Arsenic	U	0.01	0.0250		mg/L	1	4/26/2012 1:04:03 PM
Barium	0.151	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Beryllium	U	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Cadmium	U	0.005	0.0100		mg/L	1	4/26/2012 1:04:03 PM
Calcium	179	0.005	0.0250		mg/L	1	4/26/2012 1:04:03 PM
Chromium	U	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Cobalt	0.00693	0.005	0.0200	J	mg/L	1	4/26/2012 1:04:03 PM
Copper	U	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Iron	0.260	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Lead	0.0105	0.005	0.0150	J	mg/L	1	4/26/2012 1:04:03 PM
Magnesium	22.3	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Manganese	3.65	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Nickel	0.00737	0.005	0.0200	J	mg/L	1	4/26/2012 1:04:03 PM
Potassium	21.9	0.05	0.100		mg/L	1	4/26/2012 1:04:03 PM
Selenium	U	0.01	0.0250		mg/L	1	4/26/2012 1:04:03 PM
Silver	U	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Sodium	19.5	0.005	0.0300		mg/L	1	4/26/2012 1:04:03 PM
Thallium	U	0.01	0.0150		mg/L	1	4/26/2012 1:04:03 PM
Vanadium	U	0.005	0.0200		mg/L	1	4/26/2012 1:04:03 PM
Zinc	0.0116	0.005	0.0200	J	mg/L	1	4/26/2012 1:04:03 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

**Date:** 07-May-12

**ELAP ID :** 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> GW-6
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:30:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> LIQUID
<b>Lab ID:</b> 1204234-11A	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,1-Dichloroethane	0.78	0.5	1.0	J	µg/L	1	5/2/2012 3:50:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,2,3-Trichloropropane	U	0.25	1.0	C	µg/L	1	5/2/2012 3:50:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0	C	µg/L	1	5/2/2012 3:50:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
2-Butanone	U	1.25	2.5		µg/L	1	5/2/2012 3:50:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0		µg/L	1	5/2/2012 3:50:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	5/2/2012 3:50:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	5/2/2012 3:50:00 AM
Acetone	U	1.25	5.0		µg/L	1	5/2/2012 3:50:00 AM

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<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	C Calibration %RSD/%D exceeded for non-CCC analytes
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-6
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 11:30:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-11A		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Acrolein	U	5	10	C	µg/L	1	5/2/2012 3:50:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Benzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	5/2/2012 3:50:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Bromoform	U	0.25	1.0	C	µg/L	1	5/2/2012 3:50:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Chloroethane	U	0.25	1.0	C	µg/L	1	5/2/2012 3:50:00 AM
Chloroform	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 3:50:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Ethanol	U	2.5	5.0		µg/L	1	5/2/2012 3:50:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 3:50:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Freon-114	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	5/2/2012 3:50:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	5/2/2012 3:50:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	5/2/2012 3:50:00 AM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Methylene chloride	3.7	0.25	1.0	B	µg/L	1	5/2/2012 3:50:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-11A

Client Sample ID: GW-6  
 Collection Date: 4/25/2012 11:30:00 AM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Naphthalene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	5/2/2012 3:50:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 3:50:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	5/2/2012 3:50:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Styrene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	5/2/2012 3:50:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	5/2/2012 3:50:00 AM
Toluene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Trichlorofluoromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 3:50:00 AM
Vinyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	5/2/2012 3:50:00 AM
Surr: 4-Bromofluorobenzene	87.2	0	63-123		%REC	1	5/2/2012 3:50:00 AM
Surr: Dibromofluoromethane	102	0	68-124		%REC	1	5/2/2012 3:50:00 AM
Surr: Toluene-d8	91.5	0	67-125		%REC	1	5/2/2012 3:50:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-6
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 11:30:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-11B		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		<b>Analyst: LDS</b>
1,2,4-Trichlorobenzene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
1,2-Dichlorobenzene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
1,3-Dichlorobenzene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
1,4-Dichlorobenzene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2,4,5-Trichlorophenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2,4,6-Trichlorophenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2,4-Dichlorophenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2,4-Dimethylphenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2,4-Dinitrophenol	U	0.56	11		µg/L	1	5/2/2012 7:26:00 AM
2,4-Dinitrotoluene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2,6-Dinitrotoluene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2-Chloronaphthalene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2-Chlorophenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2-Methylnaphthalene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2-Methylphenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2-Nitroaniline	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
2-Nitrophenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
3,3'-Dichlorobenzidine	U	1.11	11		µg/L	1	5/2/2012 7:26:00 AM
3+4-Methylphenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
3-Nitroaniline	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
4,6-Dinitro-2-methylphenol	U	1.11	11		µg/L	1	5/2/2012 7:26:00 AM
4-Bromophenyl phenyl ether	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
4-Chloro-3-methylphenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
4-Chloroaniline	U	1.11	11		µg/L	1	5/2/2012 7:26:00 AM
4-Chlorophenyl phenyl ether	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
4-Nitroaniline	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
4-Nitrophenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Acenaphthene	0.62	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Acenaphthylene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Acetophenone	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Aniline	U	1.11	11		µg/L	1	5/2/2012 7:26:00 AM
Anthracene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Atrazine	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc. Client Sample ID: GW-6  
 Lab Order: 1204234 Collection Date: 4/25/2012 11:30:00 AM  
 Project: 538 Union Avenue, Brooklyn, NY Matrix: LIQUID  
 Lab ID: 1204234-11B

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: LDS
Azobenzene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Benzaldehyde	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Benzidine	U	1.11	11		µg/L	1	5/2/2012 7:26:00 AM
Benzo(a)anthracene	0.94	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Benzo(a)pyrene	0.97	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Benzo(b)fluoranthene	1.7	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Benzo(g,h,i)perylene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Benzo(k)fluoranthene	1.5	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Benzoic acid	U	1.11	11		µg/L	1	5/2/2012 7:26:00 AM
Benzyl alcohol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Biphenyl	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Bis(2-chloroethoxy)methane	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Bis(2-chloroethyl)ether	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Bis(2-chloroisopropyl)ether	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Bis(2-ethylhexyl)phthalate	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Butyl benzyl phthalate	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Caprolactam	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Carbazole	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Chrysene	1.1	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Dibenzo(a,h)anthracene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Dibenzofuran	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Diethyl phthalate	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Dimethyl phthalate	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Di-n-butyl phthalate	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Di-n-octyl phthalate	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Fluoranthene	1.9	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Fluorene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Hexachlorobenzene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Hexachlorobutadiene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Hexachlorocyclopentadiene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Hexachloroethane	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Isophorone	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
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ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-6
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 11:30:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-11B		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		<b>Analyst: LDS</b>
Naphthalene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Nitrobenzene	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
N-Nitrosodimethylamine	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
N-Nitrosodi-n-propylamine	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
N-Nitrosodiphenylamine	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Parathion	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Pentachlorophenol	U	1.11	11		µg/L	1	5/2/2012 7:26:00 AM
Phenanthrene	1.9	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Phenol	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Pyrene	2.0	0.56	5.6	J	µg/L	1	5/2/2012 7:26:00 AM
Pyridine	U	0.56	5.6		µg/L	1	5/2/2012 7:26:00 AM
Surr: 2,4,6-Tribromophenol	125	0	36-133		%REC	1	5/2/2012 7:26:00 AM
Surr: 2-Fluorobiphenyl	93.5	0	20-131		%REC	1	5/2/2012 7:26:00 AM
Surr: 2-Fluorophenol	51.2	0	16-103		%REC	1	5/2/2012 7:26:00 AM
Surr: 4-Terphenyl-d14	76.8	0	22-132		%REC	1	5/2/2012 7:26:00 AM
Surr: Nitrobenzene-d5	94.4	0	19-133		%REC	1	5/2/2012 7:26:00 AM
Surr: Phenol-d6	31.9	0	12-98		%REC	1	5/2/2012 7:26:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> GW-6
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:30:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> LIQUID
<b>Lab ID:</b> 1204234-11C	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>							
			<b>SW8081B</b>		<b>SW3510C</b>		<b>Analyst: SB</b>
4,4'-DDD	0.041	0.02	0.44	JP	µg/L	1	5/3/2012 1:22:00 AM
4,4'-DDE	0.030	0.02	0.44	J	µg/L	1	5/3/2012 1:22:00 AM
4,4'-DDT	0.059	0.02	0.44	J	µg/L	1	5/3/2012 1:22:00 AM
Aldrin	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
alpha-BHC	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
beta-BHC	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Chlordane	U	0.06	1.1		µg/L	1	5/3/2012 1:22:00 AM
Chlorobenzilate	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
DBCP	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
delta-BHC	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Dieldrin	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Endosulfan I	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Endosulfan II	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Endosulfan sulfate	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Endrin	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Endrin aldehyde	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Endrin ketone	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
gamma-BHC	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Heptachlor	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Heptachlor epoxide	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Hexachlorobenzene	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Hexachlorocyclopentadiene	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Methoxychlor	U	0.02	0.44		µg/L	1	5/3/2012 1:22:00 AM
Toxaphene	U	0.56	11		µg/L	1	5/3/2012 1:22:00 AM
Surr: DCB	131	0	11-109	S	%REC	1	5/3/2012 1:22:00 AM
Surr: TCX	112	0	14-110	S	%REC	1	5/3/2012 1:22:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-6
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 11:30:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-11D		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>			<b>SW8082A</b>		<b>SW3510C</b>		Analyst: <b>SB</b>
Aroclor 1016	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Aroclor 1221	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Aroclor 1232	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Aroclor 1242	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Aroclor 1248	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Aroclor 1254	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Aroclor 1260	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Aroclor 1262	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Aroclor 1268	U	0.03	0.056		µg/L	1	5/3/2012 2:08:00 PM
Surr: DCB	119	0	15-147		%REC	1	5/3/2012 2:08:00 PM
Surr: TCX	126	0	19-135		%REC	1	5/3/2012 2:08:00 PM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> GW-6
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 11:30:00 AM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> LIQUID
<b>Lab ID:</b> 1204234-11E	

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>				<b>E245.1</b>			<b>Analyst: JP</b>
Mercury	0.0312	0.001	0.00200		mg/L	10	5/3/2012 1:35:04 PM
<b>TARGET ANALYTE LIST METALS</b>				<b>E200.7</b>	<b>SW3010A</b>		<b>Analyst: JP</b>
Aluminum	98.9	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Antimony	U	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Arsenic	0.209	0.01	0.0250		mg/L	1	5/1/2012 3:26:03 PM
Barium	12.1	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Beryllium	U	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Cadmium	0.0234	0.005	0.0100		mg/L	1	5/1/2012 3:26:03 PM
Calcium	610	0.005	0.0250		mg/L	1	5/1/2012 3:26:03 PM
Chromium	0.510	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Cobalt	0.0336	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Copper	3.30	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Iron	445	0.1	0.400		mg/L	20	5/1/2012 3:34:13 PM
Lead	18.3	0.005	0.0150		mg/L	1	5/1/2012 3:26:03 PM
Magnesium	86.2	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Manganese	10.1	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Nickel	0.408	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Potassium	32.1	0.05	0.100		mg/L	1	5/1/2012 3:26:03 PM
Selenium	0.0128	0.01	0.0250	J	mg/L	1	5/1/2012 3:26:03 PM
Silver	0.0158	0.005	0.0200	J	mg/L	1	5/1/2012 3:26:03 PM
Sodium	14.2	0.005	0.0300		mg/L	1	5/1/2012 3:26:03 PM
Thallium	U	0.01	0.0150		mg/L	1	5/1/2012 3:26:03 PM
Vanadium	0.511	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM
Zinc	10.6	0.005	0.0200		mg/L	1	5/1/2012 3:26:03 PM

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<b>Qualifiers:</b>	B Analyte detected in the associated Method Blank	C Calibration %RSD/%D exceeded for non-CCC analytes
	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	GW-6
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 11:30:00 AM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-11F		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY-DISSOLVED</b>			<b>E245.1</b>		<b>SW3005A</b>		<b>Analyst: JP</b>
Mercury	U	0.0001	0.000200		mg/L	1	5/3/2012 11:46:21 AM
<b>TARGET ANALYTE LIST METALS-DISSOLVED</b>			<b>E200.7</b>		<b>SW3005A</b>		<b>Analyst: JP</b>
Aluminum		0.125	0.005	0.0200	mg/L	1	4/26/2012 1:06:05 PM
Antimony	U	0.005	0.0200		mg/L	1	4/26/2012 1:06:05 PM
Arsenic	U	0.01	0.0250		mg/L	1	4/26/2012 1:06:05 PM
Barium		0.134	0.005	0.0200	mg/L	1	4/26/2012 1:06:05 PM
Beryllium	U	0.005	0.0200		mg/L	1	4/26/2012 1:06:05 PM
Cadmium	U	0.005	0.0100		mg/L	1	4/26/2012 1:06:05 PM
Calcium		314	0.005	0.0250	mg/L	1	4/26/2012 1:06:05 PM
Chromium	U	0.005	0.0200		mg/L	1	4/26/2012 1:06:05 PM
Cobalt		0.00608	0.005	0.0200	J mg/L	1	4/26/2012 1:06:05 PM
Copper	U	0.005	0.0200		mg/L	1	4/26/2012 1:06:05 PM
Iron		0.121	0.005	0.0200	mg/L	1	4/26/2012 1:06:05 PM
Lead		0.00605	0.005	0.0150	J mg/L	1	4/26/2012 1:06:05 PM
Magnesium		28.4	0.005	0.0200	mg/L	1	4/26/2012 1:06:05 PM
Manganese		1.46	0.005	0.0200	mg/L	1	4/26/2012 1:06:05 PM
Nickel		0.00778	0.005	0.0200	J mg/L	1	4/26/2012 1:06:05 PM
Potassium		13.8	0.05	0.100	mg/L	1	4/26/2012 1:06:05 PM
Selenium	U	0.01	0.0250		mg/L	1	4/26/2012 1:06:05 PM
Silver	U	0.005	0.0200		mg/L	1	4/26/2012 1:06:05 PM
Sodium		11.4	0.005	0.0300	mg/L	1	4/26/2012 1:06:05 PM
Thallium	U	0.01	0.0150		mg/L	1	4/26/2012 1:06:05 PM
Vanadium	U	0.005	0.0200		mg/L	1	4/26/2012 1:06:05 PM
Zinc		0.0335	0.005	0.0200	mg/L	1	4/26/2012 1:06:05 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-12A

Client Sample ID: FB 4/25/12  
 Collection Date: 4/25/2012 2:20:00 PM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		Analyst: LA		
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,2,3-Trichloropropane	U	0.25	1.0	C	µg/L	1	5/2/2012 4:25:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0	C	µg/L	1	5/2/2012 4:25:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
2-Butanone	U	1.25	2.5		µg/L	1	5/2/2012 4:25:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0		µg/L	1	5/2/2012 4:25:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	5/2/2012 4:25:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	5/2/2012 4:25:00 AM
Acetone	U	1.25	5.0		µg/L	1	5/2/2012 4:25:00 AM

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	E Value above quantitation range	H Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limits	LOD Limit of Detection
	LOQ Limit of Quantitation	P >40% diff for detected conc between the two GC columns
	PQL Practical Quantitation Limit	S Spike Recovery outside accepted recovery limits
	U Indicates the compound was analyzed but not detected.	

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-12A

Client Sample ID: FB 4/25/12  
 Collection Date: 4/25/2012 2:20:00 PM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			Analyst: LA	
Acrolein	U	5	10	C	µg/L	1	5/2/2012 4:25:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Benzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	5/2/2012 4:25:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Bromoform	U	0.25	1.0	C	µg/L	1	5/2/2012 4:25:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Chloroethane	U	0.25	1.0	C	µg/L	1	5/2/2012 4:25:00 AM
Chloroform	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 4:25:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Ethanol	U	2.5	5.0		µg/L	1	5/2/2012 4:25:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 4:25:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Freon-114	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	5/2/2012 4:25:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	5/2/2012 4:25:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	5/2/2012 4:25:00 AM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Methylene chloride	4.9	0.25	1.0	B	µg/L	1	5/2/2012 4:25:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	FB 4/25/12
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 2:20:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-12A		

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
Naphthalene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	5/2/2012 4:25:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 4:25:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	5/2/2012 4:25:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Styrene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	5/2/2012 4:25:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	5/2/2012 4:25:00 AM
Toluene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Trichlorofluoromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 4:25:00 AM
Vinyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	5/2/2012 4:25:00 AM
Surr: 4-Bromofluorobenzene	86.3	0	63-123		%REC	1	5/2/2012 4:25:00 AM
Surr: Dibromofluoromethane	99.1	0	68-124		%REC	1	5/2/2012 4:25:00 AM
Surr: Toluene-d8	90.4	0	67-125		%REC	1	5/2/2012 4:25:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

**American Analytical Laboratories, LLC.**

Date: 07-May-12

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-12B

Client Sample ID: FB 4/25/12  
 Collection Date: 4/25/2012 2:20:00 PM  
 Matrix: LIQUID

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		Analyst: LDS
1,2,4-Trichlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
1,2-Dichlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
1,3-Dichlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
1,4-Dichlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2,4,5-Trichlorophenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2,4,6-Trichlorophenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2,4-Dichlorophenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2,4-Dimethylphenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2,4-Dinitrophenol	U	0.5	10		µg/L	1	5/2/2012 7:50:00 AM
2,4-Dinitrotoluene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2,6-Dinitrotoluene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2-Chloronaphthalene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2-Chlorophenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2-Methylnaphthalene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2-Methylphenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2-Nitroaniline	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
2-Nitrophenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
3,3'-Dichlorobenzidine	U	1	10		µg/L	1	5/2/2012 7:50:00 AM
3+4-Methylphenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
3-Nitroaniline	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
4,6-Dinitro-2-methylphenol	U	1	10		µg/L	1	5/2/2012 7:50:00 AM
4-Bromophenyl phenyl ether	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
4-Chloro-3-methylphenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
4-Chloroaniline	U	1	10		µg/L	1	5/2/2012 7:50:00 AM
4-Chlorophenyl phenyl ether	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
4-Nitroaniline	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
4-Nitrophenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Acenaphthene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Acenaphthylene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Acetophenone	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Aniline	U	1	10		µg/L	1	5/2/2012 7:50:00 AM
Anthracene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Atrazine	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-12B

Client Sample ID: FB 4/25/12  
 Collection Date: 4/25/2012 2:20:00 PM  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>			<b>SW8270D</b>		<b>SW3510C</b>		<b>Analyst: LDS</b>
Azobenzene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Benzaldehyde	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Benzdine	U	1	10		µg/L	1	5/2/2012 7:50:00 AM
Benzo(a)anthracene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Benzo(a)pyrene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Benzo(b)fluoranthene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Benzo(g,h,i)perylene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Benzo(k)fluoranthene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Benzoic acid	U	1	10		µg/L	1	5/2/2012 7:50:00 AM
Benzyl alcohol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Biphenyl	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Bis(2-chloroethoxy)methane	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Bis(2-chloroethyl)ether	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Bis(2-chloroisopropyl)ether	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Bis(2-ethylhexyl)phthalate	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Butyl benzyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Caprolactam	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Carbazole	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Chrysene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Dibenzo(a,h)anthracene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Dibenzofuran	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Diethyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Dimethyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Di-n-butyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Di-n-octyl phthalate	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Fluoranthene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Fluorene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Hexachlorobenzene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Hexachlorobutadiene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Hexachlorocyclopentadiene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Hexachloroethane	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Indeno(1,2,3-c,d)pyrene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Isophorone	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b> CA Rich Consultants Inc.	<b>Client Sample ID:</b> FB 4/25/12
<b>Lab Order:</b> 1204234	<b>Collection Date:</b> 4/25/2012 2:20:00 PM
<b>Project:</b> 538 Union Avenue, Brooklyn, NY	<b>Matrix:</b> LIQUID
<b>Lab ID:</b> 1204234-12B	

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>SEMIVOLATILE SW-846 METHOD 8270</b>							<b>Analyst: LDS</b>
			<b>SW8270D</b>		<b>SW3510C</b>		
Naphthalene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Nitrobenzene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
N-Nitrosodimethylamine	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
N-Nitrosodi-n-propylamine	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
N-Nitrosodiphenylamine	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Parathion	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Pentachlorophenol	U	1	10		µg/L	1	5/2/2012 7:50:00 AM
Phenanthrene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Phenol	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Pyrene	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Pyridine	U	0.5	5.0		µg/L	1	5/2/2012 7:50:00 AM
Surr: 2,4,6-Tribromophenol	134	0	36-133	S	%REC	1	5/2/2012 7:50:00 AM
Surr: 2-Fluorobiphenyl	88.9	0	20-131		%REC	1	5/2/2012 7:50:00 AM
Surr: 2-Fluorophenol	62.9	0	16-103		%REC	1	5/2/2012 7:50:00 AM
Surr: 4-Terphenyl-d14	79.8	0	22-132		%REC	1	5/2/2012 7:50:00 AM
Surr: Nitrobenzene-d5	106	0	19-133		%REC	1	5/2/2012 7:50:00 AM
Surr: Phenol-d6	36.6	0	12-98		%REC	1	5/2/2012 7:50:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	FB 4/25/12
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 2:20:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-12C		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PESTICIDES SW-846 METHOD 8081</b>			<b>SW8081B</b>		<b>SW3510C</b>		<b>Analyst: SB</b>
4,4'-DDD	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
4,4'-DDE	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
4,4'-DDT	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Aldrin	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
alpha-BHC	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
beta-BHC	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Chlordane	U	0.05	1.0		µg/L	1	5/3/2012 1:36:00 AM
Chlorobenzilate	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
DBCP	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
delta-BHC	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Dieldrin	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Endosulfan I	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Endosulfan II	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Endosulfan sulfate	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Endrin	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Endrin aldehyde	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Endrin ketone	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
gamma-BHC	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Heptachlor	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Heptachlor epoxide	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Hexachlorobenzene	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Hexachlorocyclopentadiene	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Methoxychlor	U	0.02	0.40		µg/L	1	5/3/2012 1:36:00 AM
Toxaphene	U	0.5	10		µg/L	1	5/3/2012 1:36:00 AM
Surr: DCB	119	0	11-109	S	%REC	1	5/3/2012 1:36:00 AM
Surr: TCX	114	0	14-110	S	%REC	1	5/3/2012 1:36:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	FB 4/25/12
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 2:20:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-12D		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>PCB'S AS AROCLORS SW-846 METHOD 8082</b>			<b>SW8082A</b>		<b>SW3510C</b>		<b>Analyst: SB</b>
Aroclor 1016	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Aroclor 1221	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Aroclor 1232	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Aroclor 1242	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Aroclor 1248	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Aroclor 1254	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Aroclor 1260	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Aroclor 1262	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Aroclor 1268	U	0.03	0.050		µg/L	1	5/3/2012 2:32:00 PM
Surr: DCB	117	0	15-147		%REC	1	5/3/2012 2:32:00 PM
Surr: TCX	112	0	19-135		%REC	1	5/3/2012 2:32:00 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

<b>CLIENT:</b>	CA Rich Consultants Inc.	<b>Client Sample ID:</b>	FB 4/25/12
<b>Lab Order:</b>	1204234	<b>Collection Date:</b>	4/25/2012 2:20:00 PM
<b>Project:</b>	538 Union Avenue, Brooklyn, NY	<b>Matrix:</b>	LIQUID
<b>Lab ID:</b>	1204234-12E		

**Certificate of Results**

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>MERCURY</b>			<b>E245.1</b>				<b>Analyst: JP</b>
Mercury	U	0.0001	0.000200		mg/L	1	5/3/2012 11:31:25 AM
<b>TARGET ANALYTE LIST METALS</b>			<b>E200.7</b>		<b>SW3010A</b>		<b>Analyst: JP</b>
Aluminum		0.0266	0.005	0.0200	mg/L	1	5/1/2012 3:28:05 PM
Antimony	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Arsenic	U	0.01	0.0250		mg/L	1	5/1/2012 3:28:05 PM
Barium		0.0153	0.005	0.0200	J mg/L	1	5/1/2012 3:28:05 PM
Beryllium	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Cadmium	U	0.005	0.0100		mg/L	1	5/1/2012 3:28:05 PM
Calcium		4.58	0.005	0.0250	mg/L	1	5/1/2012 3:28:05 PM
Chromium	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Cobalt	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Copper	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Iron		0.0852	0.005	0.0200	mg/L	1	5/1/2012 3:28:05 PM
Lead	U	0.005	0.0150		mg/L	1	5/1/2012 3:28:05 PM
Magnesium		0.846	0.005	0.0200	mg/L	1	5/1/2012 3:28:05 PM
Manganese	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Nickel	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Potassium		0.652	0.05	0.100	mg/L	1	5/1/2012 3:28:05 PM
Selenium	U	0.01	0.0250		mg/L	1	5/1/2012 3:28:05 PM
Silver	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Sodium		3.59	0.005	0.0300	mg/L	1	5/1/2012 3:28:05 PM
Thallium	U	0.01	0.0150		mg/L	1	5/1/2012 3:28:05 PM
Vanadium	U	0.005	0.0200		mg/L	1	5/1/2012 3:28:05 PM
Zinc		0.0153	0.005	0.0200	J mg/L	1	5/1/2012 3:28:05 PM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	LOD	Limit of Detection
	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
	PQL	Practical Quantitation Limit	S	Spike Recovery outside accepted recovery limits
	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-13A

Client Sample ID: TB  
 Collection Date: 4/25/2012  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>		<b>Analyst: LA</b>		
1,1,1,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,1,1-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,1,2,2-Tetrachloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,1,2-Trichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,1-Dichloroethane	U	0.5	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,1-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,1-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,2,3-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,2,3-Trichloropropane	U	0.25	1.0	C	µg/L	1	5/2/2012 4:58:00 AM
1,2,4,5-Tetramethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,2,4-Trichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,2,4-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,2-Dibromo-3-chloropropane	U	0.5	2.0	C	µg/L	1	5/2/2012 4:58:00 AM
1,2-Dibromoethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,2-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,2-Dichloroethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,3,5-Trimethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,3-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,3-dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,4-Dichlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
1,4-Dioxane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
2,2-Dichloropropane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
2-Butanone	U	1.25	2.5		µg/L	1	5/2/2012 4:58:00 AM
2-Chloroethyl vinyl ether	U	0.5	1.0		µg/L	1	5/2/2012 4:58:00 AM
2-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
2-Hexanone	U	1.25	2.5		µg/L	1	5/2/2012 4:58:00 AM
2-Propanol	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
4-Chlorotoluene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
4-Isopropyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
4-Methyl-2-pentanone	U	1.25	2.5		µg/L	1	5/2/2012 4:58:00 AM
Acetone	U	1.25	5.0		µg/L	1	5/2/2012 4:58:00 AM

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	U	Indicates the compound was analyzed but not detected.		

ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-13A

Client Sample ID: TB  
 Collection Date: 4/25/2012  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
VOLATILE SW-846 METHOD 8260			SW8260C			Analyst: LA	
Acrolein	U	5	10	C	µg/L	1	5/2/2012 4:58:00 AM
Acrylonitrile	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Benzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Bromobenzene	U	0.5	1.0		µg/L	1	5/2/2012 4:58:00 AM
Bromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Bromodichloromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Bromoform	U	0.25	1.0	C	µg/L	1	5/2/2012 4:58:00 AM
Bromomethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Carbon disulfide	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Carbon tetrachloride	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Chlorobenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Chlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Chloroethane	U	0.25	1.0	C	µg/L	1	5/2/2012 4:58:00 AM
Chloroform	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Chloromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 4:58:00 AM
cis-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
cis-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Dibromochloromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Dibromomethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Dichlorodifluoromethane	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Diisopropyl ether	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Ethanol	U	2.5	5.0		µg/L	1	5/2/2012 4:58:00 AM
Ethyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 4:58:00 AM
Ethylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Freon-114	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Hexachlorobutadiene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Isopropyl acetate	U	1	2.0		µg/L	1	5/2/2012 4:58:00 AM
Isopropylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
m,p-Xylene	U	0.5	2.0		µg/L	1	5/2/2012 4:58:00 AM
Methyl Acetate	U	0.5	2.0		µg/L	1	5/2/2012 4:58:00 AM
Methyl tert-butyl ether	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Methylene chloride	3.5	0.25	1.0	B	µg/L	1	5/2/2012 4:58:00 AM
n-Amyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM

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	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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ELAP ID : 11418

CLIENT: CA Rich Consultants Inc.  
 Lab Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY  
 Lab ID: 1204234-13A

Client Sample ID: TB  
 Collection Date: 4/25/2012  
 Matrix: LIQUID

Certificate of Results

Analyses	Sample Result	LOD	LOQ	Qual	Units	DF	Date/Time Analyzed
<b>VOLATILE SW-846 METHOD 8260</b>			<b>SW8260C</b>			<b>Analyst: LA</b>	
Naphthalene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
n-Butyl acetate	U	0.25	2.0		µg/L	1	5/2/2012 4:58:00 AM
n-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
n-Propyl acetate	U	0.5	1.0		µg/L	1	5/2/2012 4:58:00 AM
n-Propylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
o-Xylene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
p-Diethylbenzene	U	0.5	1.0		µg/L	1	5/2/2012 4:58:00 AM
p-Ethyltoluene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
sec-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Styrene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
t-Butyl alcohol	U	1	2.0		µg/L	1	5/2/2012 4:58:00 AM
tert-Butylbenzene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Tetrachloroethene	U	0.25	2.0		µg/L	1	5/2/2012 4:58:00 AM
Toluene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
trans-1,2-Dichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
trans-1,3-Dichloropropene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Trichloroethene	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Trichlorofluoromethane	U	0.25	1.0	C	µg/L	1	5/2/2012 4:58:00 AM
Vinyl acetate	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Vinyl chloride	U	0.25	1.0		µg/L	1	5/2/2012 4:58:00 AM
Surr: 4-Bromofluorobenzene	85.3	0	63-123		%REC	1	5/2/2012 4:58:00 AM
Surr: Dibromofluoromethane	98.6	0	68-124		%REC	1	5/2/2012 4:58:00 AM
Surr: Toluene-d8	91.6	0	67-125		%REC	1	5/2/2012 4:58:00 AM

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<b>Qualifiers:</b>	B	Analyte detected in the associated Method Blank	C	Calibration %RSD/%D exceeded for non-CCC analytes
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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	LOQ	Limit of Quantitation	P	>40% diff for detected conc between the two GC columns
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American Analytical Laboratories, LLC.

Date: 07-May-12

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081\_W

Sample ID: MB-35626	Sample Type: MBLK	TestCode: 8081_W	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63244						
Client ID: PBW	Batch ID: 35626	TestNo: SW8081B	SW3510C	Analysis Date: 5/2/2012	SeqNo: 889552						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual

4,4'-DDD	U	0.40									
4,4'-DDE	U	0.40									
4,4'-DDT	U	0.40									
Aldrin	U	0.40									
alpha-BHC	U	0.40									
beta-BHC	U	0.40									
Chlordane	U	1.0									
Chlorobenzilate	U	0.40									
DBCP	U	0.40									
delta-BHC	U	0.40									
Dieldrin	U	0.40									
Endosulfan I	U	0.40									
Endosulfan II	U	0.40									
Endosulfan sulfate	U	0.40									
Endrin	U	0.40									
Endrin aldehyde	U	0.40									
Endrin ketone	U	0.40									
gamma-BHC	U	0.40									
Heptachlor	U	0.40									
Heptachlor epoxide	U	0.40									
Hexachlorobenzene	U	0.40									
Hexachlorocyclopentadiene	U	0.40									
Methoxychlor	U	0.40									
Toxaphene	U	10									
Surr: DCB	0.56		0.5000		113	11	109				S
Surr: TCX	0.56		0.5000		111	14	110				S

Qualifiers: B Analyte detected in the associated Method Blank C Calibration %RSD/%D exceeded for non-CCC analytes H Holding times for preparation or analyte  
 J Analyte detected below quantitation limits P >40% diff for detected conc between the two GC column PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode: 8081\_W**

Sample ID: LCS-35626	SampType: LCS	TestCode: 8081_W	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63244						
Client ID: LCSW	Batch ID: 35626	TestNo: SW8081B	SW3510C	Analysis Date: 5/2/2012	SeqNo: 889553						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.081	0.40	0.1000	0	81.0	33	138				J
4,4'-DDE	0.085	0.40	0.1000	0	85.2	25	122				J
4,4'-DDT	0.082	0.40	0.1000	0	82.1	26	137				J
Aldrin	0.084	0.40	0.1000	0	84.3	30	135				J
alpha-BHC	0.090	0.40	0.1000	0	90.0	31	139				J
beta-BHC	0.11	0.40	0.1000	0	105	27	139				J
Chlorobenzilate	0.062	0.40	0.1000	0	62.3	20	120				J
DBCP	0.074	0.40	0.1000	0	74.5	20	124				J
delta-BHC	0.082	0.40	0.1000	0	81.5	25	134				J
Dieldrin	0.079	0.40	0.1000	0	78.8	25	125				J
Endosulfan I	0.088	0.40	0.1000	0	87.6	22	126				J
Endosulfan II	0.080	0.40	0.1000	0	80.2	23	129				J
Endosulfan sulfate	0.075	0.40	0.1000	0	74.8	25	135				J
Endrin	0.096	0.40	0.1000	0	96.3	22	134				J
Endrin aldehyde	0.080	0.40	0.1000	0	80.2	20	128				JC
Endrin ketone	0.092	0.40	0.1000	0	91.6	25	136				J
gamma-BHC	0.098	0.40	0.1000	0	97.6	30	131				J
Heptachlor	0.10	0.40	0.1000	0	104	25	125				J
Heptachlor epoxide	0.085	0.40	0.1000	0	85.1	21	127				J
Hexachlorobenzene	0.099	0.40	0.1000	0	98.9	23	131				J
Hexachlorocyclopentadiene	0.10	0.40	0.1000	0	103	22	138				J
Methoxychlor	0.10	0.40	0.1000	0	103	20	130				J
Surr: DCB	0.40		0.5000		79.7	11	109				
Surr: TCX	0.40		0.5000		79.4	14	110				

Sample ID: LCSD-35626	SampType: LCS	TestCode: 8081_W	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63244						
Client ID: LCSW	Batch ID: 35626	TestNo: SW8081B	SW3510C	Analysis Date: 5/2/2012	SeqNo: 889554						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	0.092	0.40	0.1000	0	92.1	33	138	0.08101	0	0	J
4,4'-DDE	0.096	0.40	0.1000	0	96.0	25	122	0.08517	0	0	J

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode: 8081\_W**

Sample ID: LCSD-35626	SampType: LCS	TestCode: 8081_W	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63244						
Client ID: LCSW	Batch ID: 35626	TestNo: SW8081B	SW3510C	Analysis Date: 5/2/2012	SeqNo: 889554						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
4,4'-DDT	0.093	0.40	0.1000	0	92.8	26	137	0.08212	0	0	J
Aldrin	0.090	0.40	0.1000	0	90.0	30	135	0.08428	0	0	J
alpha-BHC	0.097	0.40	0.1000	0	97.3	31	139	0.09000	0	0	J
beta-BHC	0.11	0.40	0.1000	0	112	27	139	0.1053	0	0	J
Chlorobenzilate	0.065	0.40	0.1000	0	64.6	20	120	0.06232	0	0	J
DBCP	0.087	0.40	0.1000	0	87.1	20	124	0.07448	0	0	J
delta-BHC	0.091	0.40	0.1000	0	90.5	25	134	0.08152	0	0	J
Dieldrin	0.090	0.40	0.1000	0	90.4	25	125	0.07876	0	0	J
Endosulfan I	0.099	0.40	0.1000	0	98.8	22	126	0.08762	0	0	J
Endosulfan II	0.092	0.40	0.1000	0	92.0	23	129	0.08024	0	0	J
Endosulfan sulfate	0.085	0.40	0.1000	0	85.2	25	135	0.07484	0	0	J
Endrin	0.11	0.40	0.1000	0	110	22	134	0.09630	0	0	J
Endrin aldehyde	0.093	0.40	0.1000	0	92.9	20	128	0.08015	0	0	JC
Endrin ketone	0.11	0.40	0.1000	0	105	25	136	0.09162	0	0	J
gamma-BHC	0.10	0.40	0.1000	0	101	30	131	0.09762	0	0	J
Heptachlor	0.11	0.40	0.1000	0	112	25	125	0.1036	0	0	J
Heptachlor epoxide	0.096	0.40	0.1000	0	96.2	21	127	0.08506	0	0	J
Hexachlorobenzene	0.10	0.40	0.1000	0	101	23	131	0.09891	0	0	J
Hexachlorocyclopentadiene	0.10	0.40	0.1000	0	104	22	138	0.1025	0	0	J
Methoxychlor	0.12	0.40	0.1000	0	116	20	130	0.1029	0	0	J
Surr: DCB	0.46		0.5000		91.8	11	109		0	0	
Surr: TCX	0.43		0.5000		86.7	14	110		0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %KSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234

**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** 8082\_W

Sample ID: MB-35625	SampType: MBLK	TestCode: 8082_W	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63246
Client ID: PBW	Batch ID: 35625	TestNo: SW8082A	SW3510C	Analysis Date: 5/3/2012	SeqNo: 889693

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1016	U	0.050									
Aroclor 1221	U	0.050									
Aroclor 1232	U	0.050									
Aroclor 1242	U	0.050									
Aroclor 1248	U	0.050									
Aroclor 1254	U	0.050									
Aroclor 1260	U	0.050									
Aroclor 1262	U	0.050									
Aroclor 1268	U	0.050									
Surr: DCB	0.65		0.5000		130	15	147				
Surr: TCX	0.60		0.5000		119	19	135				

Sample ID: LCS-35625	SampType: LCS	TestCode: 8082_W	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63246
Client ID: LCSW	Batch ID: 35625	TestNo: SW8082A	SW3510C	Analysis Date: 5/3/2012	SeqNo: 889694

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.3	0.050	1.000	0	128	30	130				
Surr: DCB	0.56		0.5000		112	15	147				
Surr: TCX	0.55		0.5000		111	19	135				

Sample ID: LCSD-35625	SampType: LCSD	TestCode: 8082_W	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63246
Client ID: LCSS02	Batch ID: 35625	TestNo: SW8082A	SW3510C	Analysis Date: 5/3/2012	SeqNo: 889695

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	1.3	0.050	1.000	0	126	30	130	1.279	1.44	20	
Surr: DCB	0.54		0.5000		108	15	147		0	0	
Surr: TCX	0.56		0.5000		111	19	135		0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank C Calibration %RSD/%D exceeded for non-CCC analytes H Holding times for preparation or analy  
 J Analyte detected below quantitation limits P >40% diff for detected conc between the two GC column PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits U Indicates the compound was analyzed

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234

**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** 8270\_w

Sample ID: MB-35627	SampType: MBLK	TestCode: 8270_w	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63228
Client ID: PBW	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888741

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,4-Dichlorobenzene	U	5.0									
2,4,5-Trichlorophenol	U	5.0									
2,4,6-Trichlorophenol	U	5.0									
2,4-Dichlorophenol	U	5.0									
2,4-Dimethylphenol	U	5.0									
2,4-Dinitrophenol	U	10									
2,4-Dinitrotoluene	U	5.0									
2,6-Dinitrotoluene	U	5.0									
2-Chloronaphthalene	U	5.0									
2-Chlorophenol	U	5.0									
2-Methylnaphthalene	U	5.0									
2-Methylphenol	U	5.0									
2-Nitroaniline	U	5.0									
2-Nitrophenol	U	5.0									
3,3'-Dichlorobenzidine	U	10									
3+4-Methylphenol	U	5.0									
3-Nitroaniline	U	5.0									
4,6-Dinitro-2-methylphenol	U	10									
4-Bromophenyl phenyl ether	U	5.0									
4-Chloro-3-methylphenol	U	5.0									
4-Chloroaniline	U	10									
4-Chlorophenyl phenyl ether	U	5.0									
4-Nitroaniline	U	5.0									
4-Nitrophenol	U	5.0									
Acenaphthene	U	5.0									
Acenaphthylene	U	5.0									
Acetophenone	U	5.0									
Aniline	U	10									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234

**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** 8270\_w

Sample ID: MB-35627	SampType: MBLK	TestCode: 8270_w	Units: µg/L	Prep Date: 5/11/2012	RunNo: 633228
Client ID: PBW	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888741

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	U	5.0									
Atrazine	U	5.0									
Azobenzene	U	5.0									
Benzaldehyde	U	5.0									
Benzidine	U	10									
Benzo(a)anthracene	U	5.0									
Benzo(a)pyrene	U	5.0									
Benzo(b)fluoranthene	U	5.0									
Benzo(g,h,i)perylene	U	5.0									
Benzo(k)fluoranthene	U	5.0									
Benzoic acid	U	10									
Benzyl alcohol	U	5.0									
Biphenyl	U	5.0									
Bis(2-chloroethoxy)methane	U	5.0									
Bis(2-chloroethyl)ether	U	5.0									
Bis(2-chloroisopropyl)ether	U	5.0									
Bis(2-ethylhexyl)phthalate	U	5.0									
Butyl benzyl phthalate	U	5.0									
Caprolactam	U	5.0									
Carbazole	U	5.0									
Chrysene	U	5.0									
Dibenzo(a,h)anthracene	U	5.0									
Dibenzofuran	U	5.0									
Diethyl phthalate	U	5.0									
Dimethyl phthalate	U	5.0									
Di-n-butyl phthalate	U	5.0									
Di-n-octyl phthalate	U	5.0									
Fluoranthene	U	5.0									
Fluorene	U	5.0									
Hexachlorobenzene	U	5.0									
Hexachlorobutadiene	U	5.0									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC columns  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234

**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** 8270\_w

Sample ID: MB-35627	SampType: MBLK	TestCode: 8270_w	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63228						
Client ID: PBW	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888741						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Hexachlorocyclopentadiene	U	5.0									
Hexachloroethane	U	5.0									
Indeno(1,2,3-c,d)pyrene	U	5.0									
Isophorone	U	5.0									
Naphthalene	U	5.0									
Nitrobenzene	U	5.0									
N-Nitrosodimethylamine	U	5.0									
N-Nitrosodi-n-propylamine	U	5.0									
N-Nitrosodiphenylamine	U	5.0									
Parathion	U	5.0									
Pentachlorophenol	U	10									
Phenanthrene	U	5.0									
Phenol	U	5.0									
Pyrene	U	5.0									
Pyridine	U	5.0									
Surr: 2,4,6-Tribromophenol	44		40.00		110	36	133				
Surr: 2-Fluorobiphenyl	19		20.00		95.5	20	131				
Surr: 2-Fluorophenol	20		40.00		50.7	16	103				
Surr: 4-Terphenyl-d14	16		20.00		79.2	22	132				
Surr: Nitrobenzene-d5	18		20.00		90.1	19	133				
Surr: Phenol-d6	14		40.00		35.1	12	98				

Sample ID: LCS-35627	SampType: LCS	TestCode: 8270_w	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63228						
Client ID: LCSW	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888742						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	15	5.0	20.00	0	74.9	38	124				
1,2-Dichlorobenzene	18	5.0	20.00	0	89.6	46	118				
1,3-Dichlorobenzene	17	5.0	20.00	0	84.7	33	126				
1,4-Dichlorobenzene	18	5.0	20.00	0	89.7	35	123				
2,4,5-Trichlorophenol	17	5.0	20.00	0	85.8	60	120				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or anal  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** 8270\_w

Sample ID: LCS-35627	SampType: LCS	TestCode: 8270_w	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63228						
Client ID: LCSW	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888742						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	17	5.0	20.00	0	85.8	59	121				
2,4-Dichlorophenol	14	5.0	20.00	0	71.2	51	119				
2,4-Dimethylphenol	15	5.0	20.00	0	73.0	50	119				
2,4-Dinitrotoluene	17	5.0	20.00	0	82.7	32	137				
2,6-Dinitrotoluene	20	5.0	20.00	0	97.6	53	123				
2-Chloronaphthalene	20	5.0	20.00	0	99.9	58	118				
2-Chlorophenol	17	5.0	20.00	0	84.6	34	122				
2-Methylnaphthalene	14	5.0	20.00	0	71.7	30	130				
2-Methylphenol	14	5.0	20.00	0	68.4	30	130				
2-Nitroaniline	19	5.0	20.00	0	95.4	30	130				
2-Nitrophenol	17	5.0	20.00	0	85.0	59	117				
3+4-Methylphenol	12	5.0	20.00	0	60.0	30	130				
3-Nitroaniline	22	5.0	20.00	0	108	30	130				
4,6-Dinitro-2-methylphenol	4.9	10	20.00	0	24.6	21	122				J
4-Bromophenyl phenyl ether	18	5.0	20.00	0	90.1	54	122				
4-Chloro-3-methylphenol	13	5.0	20.00	0	63.8	41	123				
4-Chloroaniline	14	10	20.00	0	67.5	30	130				
4-Chlorophenyl phenyl ether	15	5.0	20.00	0	73.6	65	125				
4-Nitroaniline	19	5.0	20.00	0	92.8	30	130				
4-Nitrophenol	8.1	5.0	20.00	0	40.6	10	95				
Acenaphthene	19	5.0	20.00	0	96.6	47	127				
Acenaphthylene	20	5.0	20.00	0	97.5	43	130				
Aniline	14	10	20.00	0	68.8	30	130				
Anthracene	19	5.0	20.00	0	94.9	57	122				
Azobenzene	20	5.0	20.00	0	99.0	30	130				
Benzo(a)anthracene	18	5.0	20.00	0	91.2	59	117				
Benzo(a)pyrene	18	5.0	20.00	0	92.2	57	122				
Benzo(b)fluoranthene	20	5.0	20.00	0	101	31	134				
Benzo(k)fluoranthene	16	5.0	20.00	0	80.5	56	126				
Benzyl alcohol	14	5.0	20.00	0	71.3	20	130				
Bis(2-chloroethoxy)methane	17	5.0	20.00	0	84.3	62	118				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
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 P >40% diff for detected conc between the two GC columns  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

TestCode: 8270\_w

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234

Project: 538 Union Avenue, Brooklyn, NY

Sample ID: LCS-35627	SampType: LCS	TestCode: 8270_w	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63228						
Client ID: LCSW	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888742						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethyl)ether	22	5.0	20.00	0	109	54	129				
Bis(2-chloroisopropyl)ether	22	5.0	20.00	0	110	55	138				
Bis(2-ethylhexyl)phthalate	24	5.0	20.00	0	120	60	138				
Butyl benzyl phthalate	24	5.0	20.00	0	122	66	124				
Carbazole	23	5.0	20.00	0	114	20	130				
Chrysene	15	5.0	20.00	0	75.9	62	125				
Dibenzofuran	18	5.0	20.00	0	88.6	30	130				
Diethyl phthalate	20	5.0	20.00	0	99.0	65	131				
Dimethyl phthalate	21	5.0	20.00	0	106	64	128				
Dl-n-butyl phthalate	23	5.0	20.00	0	115	58	134				
Fluoranthene	18	5.0	20.00	0	88.3	55	134				
Fluorene	17	5.0	20.00	0	86.6	60	127				
Hexachlorobenzene	23	5.0	20.00	0	117	59	134				
Hexachlorobutadiene	14	5.0	20.00	0	68.1	49	127				
Hexachlorocyclopentadiene	2.6	5.0	20.00	0	13.2	4	102				J
Hexachloroethane	15	5.0	20.00	0	74.8	40	130				
Indeno(1,2,3-c,d)pyrene	16	5.0	20.00	0	78.9	64	132				
Isophorone	20	5.0	20.00	0	99.3	64	124				
Naphthalene	17	5.0	20.00	0	86.2	54	121				
Nitrobenzene	21	5.0	20.00	0	104	60	120				
N-Nitrosodimethylamine	16	5.0	20.00	0	79.6	14	120				
N-Nitrosodi-n-propylamine	19	5.0	20.00	0	94.4	41	135				
Pentachlorophenol	18	10	20.00	0	88.2	30	139				
Phenanthrene	19	5.0	20.00	0	97.5	62	124				
Phenol	9.4	5.0	20.00	0	46.8	6	104				
Pyrene	19	5.0	20.00	0	96.5	35	137				
Pyridine	12	5.0	20.00	0	58.6	25	125				
Surr: 2,4,6-Tribromophenol	50		40.00		124	36	133				
Surr: 2-Fluorobiphenyl	20		20.00		97.9	20	131				
Surr: 2-Fluorophenol	26		40.00		64.0	16	103				
Surr: 4-Terphenyl-d14	17		20.00		84.4	22	132				

**Qualifiers:** B Analyte detected in the associated Method Blank    C Calibration %RSD/%D exceeded for non-CCC analytes    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234

**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** 8270\_w

Sample ID: LCS-35627	SampType: LCS	TestCode: 8270_w	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63228						
Client ID: LCSW	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888742						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Nitrobenzene-d5	21		20.00		105	19	133				
Surr: Phenol-d6	16		40.00		40.6	12	98				

Sample ID: LCSD-35627	SampType: LCSD	TestCode: 8270_w	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63228						
Client ID: LCSS02	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888743						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2,4-Trichlorobenzene	13	5.0	20.00	0	65.1	38	124	14.97	14.0	20	
1,2-Dichlorobenzene	15	5.0	20.00	0	76.8	46	118	17.93	15.4	20	
1,3-Dichlorobenzene	16	5.0	20.00	0	79.2	33	126	16.93	6.65	20	
1,4-Dichlorobenzene	16	5.0	20.00	0	82.3	35	123	17.95	8.67	20	
2,4,5-Trichlorophenol	14	5.0	20.00	0	70.3	60	120	17.15	19.9	20	
2,4,6-Trichlorophenol	14	5.0	20.00	0	70.3	59	121	17.15	19.8	20	
2,4-Dichlorophenol	13	5.0	20.00	0	63.5	51	119	14.25	11.6	20	
2,4-Dimethylphenol	13	5.0	20.00	0	65.2	50	119	14.60	11.3	20	
2,4-Dinitrotoluene	15	5.0	20.00	0	75.3	32	137	16.54	9.44	20	
2,6-Dinitrotoluene	15	5.0	20.00	0	75.4	53	123	19.52	25.6	20	R
2-Chloronaphthalene	16	5.0	20.00	0	80.6	58	118	19.98	21.4	20	R
2-Chlorophenol	14	5.0	20.00	0	70.7	34	122	16.93	17.9	20	
2-Methylnaphthalene	14	5.0	20.00	0	70.7	30	130	14.34	1.45	20	
2-Methylphenol	13	5.0	20.00	0	63.4	30	130	13.68	7.55	20	
2-Nitroaniline	16	5.0	20.00	0	77.9	30	130	19.07	20.1	20	R
2-Nitrophenol	14	5.0	20.00	0	70.4	59	117	17.00	18.7	20	
3+4-Methylphenol	11	5.0	20.00	0	55.1	30	130	12.01	8.57	20	
3-Nitroaniline	18	5.0	20.00	0	89.1	30	130	21.69	19.6	20	
4,6-Dinitro-2-methylphenol	5.3	10	20.00	0	26.3	21	122	4.914	0	20	J
4-Bromophenyl phenyl ether	15	5.0	20.00	0	76.6	54	122	18.01	16.1	20	
4-Chloro-3-methylphenol	12	5.0	20.00	0	60.6	41	123	12.76	5.17	20	
4-Chloroaniline	13	10	20.00	0	66.0	30	130	13.50	2.27	20	
4-Chlorophenyl phenyl ether	13	5.0	20.00	0	66.2	65	125	14.72	10.6	20	
4-Nitroaniline	16	5.0	20.00	0	78.0	30	130	18.57	17.4	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC columns  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

**ANALYTICAL QC SUMMARY REPORT**

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**TestCode:** 8270\_w

**Sample ID:** LCSD-35627    **SampType:** LCSD    **TestCode:** 8270\_w    **Units:** µg/L    **Prep Date:** 5/1/2012    **RunNo:** 63228  
**Client ID:** LCSS02    **Batch ID:** 35627    **TestNo:** SW8270D    **SW3510C**    **Analysis Date:** 5/2/2012    **SeqNo:** 888743

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Nitrophenol	6.5	5.0	20.00	0	32.7	10	95	8.117	21.5	20	R
Acenaphthene	16	5.0	20.00	0	81.5	47	127	19.31	16.9	20	
Acenaphthylene	17	5.0	20.00	0	84.1	43	130	19.51	14.8	20	
Aniline	13	10	20.00	0	65.1	30	130	13.75	5.44	20	
Anthracene	17	5.0	20.00	0	84.0	57	122	18.98	12.1	20	
Azobenzene	17	5.0	20.00	0	85.0	30	130	19.79	15.2	20	
Benzo(a)anthracene	16	5.0	20.00	0	78.6	59	117	18.23	14.8	20	
Benzo(a)pyrene	17	5.0	20.00	0	87.3	57	122	18.44	5.54	20	
Benzo(b)fluoranthene	20	5.0	20.00	0	98.4	31	134	20.15	2.35	20	
Benzo(k)fluoranthene	15	5.0	20.00	0	74.9	56	126	16.10	7.22	20	
Benzyl alcohol	13	5.0	20.00	0	66.1	20	130	14.26	7.56	20	
Bis(2-chloroethoxy)methane	15	5.0	20.00	0	76.9	62	118	16.85	9.17	20	
Bis(2-chloroethyl)ether	21	5.0	20.00	0	103	54	129	21.81	5.56	20	
Bis(2-chloroisopropyl)ether	21	5.0	20.00	0	104	55	138	22.06	5.51	20	
Bis(2-ethylhexyl)phthalate	22	5.0	20.00	0	109	60	138	23.92	9.55	20	
Butyl benzyl phthalate	23	5.0	20.00	0	113	66	124	24.41	8.13	20	
Carbazole	19	5.0	20.00	0	96.2	20	130	22.75	16.7	20	
Chrysene	14	5.0	20.00	0	68.6	62	125	15.17	10.1	20	
Dibenzofuran	15	5.0	20.00	0	73.7	30	130	17.73	18.3	20	
Diethyl phthalate	17	5.0	20.00	0	84.0	65	131	19.80	16.5	20	
Dimethyl phthalate	18	5.0	20.00	0	88.3	64	128	21.22	18.3	20	
Di-n-butyl phthalate	21	5.0	20.00	0	105	58	134	23.07	9.80	20	
Fluoranthene	15	5.0	20.00	0	74.2	55	134	17.65	17.3	20	
Fluorene	14	5.0	20.00	0	71.2	60	127	17.33	19.5	20	
Hexachlorobenzene	22	5.0	20.00	0	110	59	134	23.33	5.84	20	
Hexachlorobutadiene	12	5.0	20.00	0	60.9	49	127	13.62	11.2	20	
Hexachlorocyclopentadiene	2.2	5.0	20.00	0	10.8	4	102	2.644	0	20	J
Hexachloroethane	14	5.0	20.00	0	67.9	40	130	14.95	9.61	20	
Indeno(1,2,3-c,d)pyrene	15	5.0	20.00	0	73.0	64	132	15.79	7.75	20	
Isophorone	18	5.0	20.00	0	88.1	64	124	19.86	11.9	20	
Naphthalene	16	5.0	20.00	0	78.5	54	121	17.25	9.45	20	

**Qualifiers:** B Analyte detected in the associated Method Blank    C Calibration %RSD/%D exceeded for non-CCC analytes    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** 8270\_w

Sample ID: LCSD-35627	SampType: LCSD	TestCode: 8270_w	Units: µg/L	Prep Date: 5/1/2012	RunNo: 63228						
Client ID: LCSS02	Batch ID: 35627	TestNo: SW8270D	SW3510C	Analysis Date: 5/2/2012	SeqNo: 888743						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Nitrobenzene	19	5.0	20.00	0	95.9	60	120	20.76	7.97	20	
N-Nitrosodimethylamine	15	5.0	20.00	0	73.6	14	120	15.92	7.84	20	
N-Nitrosodi-n-propylamine	17	5.0	20.00	0	85.6	41	135	18.87	9.73	20	
Pentachlorophenol	17	10	20.00	0	82.7	30	139	17.63	6.33	20	
Phenanthrene	17	5.0	20.00	0	87.3	62	124	19.50	11.0	20	
Phenol	8.0	5.0	20.00	0	40.1	6	104	9.362	15.3	20	
Pyrene	17	5.0	20.00	0	84.7	35	137	19.30	13.1	20	
Pyridine	11	5.0	20.00	0	53.0	25	125	11.71	10.0	20	
Surr: 2,4,6-Tribromophenol	43		40.00		107	36	133		0	20	
Surr: 2-Fluorobiphenyl	17		20.00		82.7	20	131		0	20	
Surr: 2-Fluorophenol	23		40.00		57.1	16	103		0	20	
Surr: 4-Terphenyl-d14	16		20.00		78.5	22	132		0	20	
Surr: Nitrobenzene-d5	19		20.00		93.2	19	133		0	20	
Surr: Phenol-d6	15		40.00		36.7	12	98		0	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**ANALYTICAL QC SUMMARY REPORT**  
**TestCode:** DRY\_TAL\_MET

**Sample ID:** MBS043012A    **SampType:** MBLK    **TestCode:** DRY\_TAL\_M    **Units:** mg/Kg    **Prep Date:** 4/30/2012    **RunNo:** 63197  
**Client ID:** PBS    **Batch ID:** 35643    **TestNo:** SW6010C    **SW3050B**    **Analysis Date:** 5/1/2012    **SeqNo:** 887736

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

**Sample ID:** LCSS043012A    **SampType:** LCS    **TestCode:** DRY\_TAL\_M    **Units:** mg/Kg    **Prep Date:** 4/30/2012    **RunNo:** 63197  
**Client ID:** LCSS    **Batch ID:** 35643    **TestNo:** SW6010C    **SW3050B**    **Analysis Date:** 5/1/2012    **SeqNo:** 887737

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	39.0	0.400	40.00	0	97.5	80	120				
Antimony	42.5	0.500	40.00	0	106	80	120				
Arsenic	42.2	0.500	40.00	0	105	80	120				
Barium	41.4	0.400	40.00	0	103	80	120				

**Qualifiers:** B Analyte detected in the associated Method Blank    C Calibration %RSD/%D exceeded for non-CCC analytes    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** DRY\_TAL\_MET

Sample ID: LCSS043012A	SampType: LCS	TestCode: DRY_TAL_M	Units: mg/Kg	Prep Date: 4/30/2012	RunNo: 63197
Client ID: LCSS	Batch ID: 35643	TestNo: SW6010C	SW3050B	Analysis Date: 5/1/2012	SeqNo: 887737

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	41.5	0.400	40.00	0	104	80	120			120	
Cadmium	40.8	0.400	40.00	0	102	80	120			120	
Calcium	41.3	0.500	40.00	0	103	80	120			120	
Chromium	42.4	0.400	40.00	0	106	80	120			120	
Cobalt	42.2	0.400	40.00	0	106	80	120			120	
Copper	40.7	0.400	40.00	0	102	80	120			120	
Iron	41.8	0.400	40.00	0	105	80	120			120	
Lead	42.8	0.400	40.00	0	107	80	120			120	
Magnesium	40.9	0.400	40.00	0	102	80	120			120	
Manganese	41.4	0.400	40.00	0	104	80	120			120	
Nickel	42.0	0.400	40.00	0	105	80	120			120	
Potassium	400	0.500	400.0	0	100	80	120			120	
Selenium	41.2	0.500	40.00	0	103	80	120			120	
Silver	39.6	0.400	40.00	0	98.9	80	120			120	
Sodium	42.0	0.500	40.00	0	105	80	120			120	
Thallium	40.1	0.500	40.00	0	100	80	120			120	
Vanadium	41.4	0.400	40.00	0	104	80	120			120	
Zinc	41.9	0.400	40.00	0	105	80	120			120	

**Qualifiers:** B Analyte detected in the associated Method Blank    C Calibration %RSD/%d exceeded for non-CCC analytes    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**ANALYTICAL QC SUMMARY REPORT**

**TestCode:** Dry8081\_Soil

Sample ID: MB-35623      SampType: MBLK      TestCode: Dry8081\_Soil      Units: µg/Kg      Prep Date: 5/1/2012      RunNo: 63241  
 Client ID: PBS      Batch ID: 35623      TestNo: SW8081B      SW3550C      Analysis Date: 5/2/2012      SeqNo: 889428

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	U	0.40									
4,4'-DDE	U	0.40									
4,4'-DDT	U	0.40									
Aldrin	U	0.40									
alpha-BHC	U	0.40									
beta-BHC	U	0.40									
Chlordane	U	0.99									
Chlorobenzilate	U	0.40									
DBCP	U	0.79									
delta-BHC	U	0.40									
Dieldrin	U	0.40									
Endosulfan I	U	0.40									
Endosulfan II	U	0.40									
Endosulfan sulfate	U	0.40									
Endrin	U	0.40									
Endrin aldehyde	U	0.79									
Endrin ketone	U	0.40									
gamma-BHC	U	0.40									
Heptachlor	U	0.40									
Heptachlor epoxide	U	0.40									
Hexachlorobenzene	U	0.40									
Hexachlorocyclopentadiene	U	0.40									
Methoxychlor	U	0.40									
Toxaphene	U	9.9									
Surr: DCB	35		24.84		140	23	157				
Surr: TCX	29		24.84		117	21	151				

Sample ID: LCS-35623      SampType: LCS      TestCode: Dry8081\_Soil      Units: µg/Kg      Prep Date: 5/1/2012      RunNo: 63241  
 Client ID: LCSS      Batch ID: 35623      TestNo: SW8081B      SW3550C      Analysis Date: 5/2/2012      SeqNo: 889428

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	U	0.40									
4,4'-DDE	U	0.40									
4,4'-DDT	U	0.40									
Aldrin	U	0.40									
alpha-BHC	U	0.40									
beta-BHC	U	0.40									
Chlordane	U	0.99									
Chlorobenzilate	U	0.40									
DBCP	U	0.79									
delta-BHC	U	0.40									
Dieldrin	U	0.40									
Endosulfan I	U	0.40									
Endosulfan II	U	0.40									
Endosulfan sulfate	U	0.40									
Endrin	U	0.40									
Endrin aldehyde	U	0.79									
Endrin ketone	U	0.40									
gamma-BHC	U	0.40									
Heptachlor	U	0.40									
Heptachlor epoxide	U	0.40									
Hexachlorobenzene	U	0.40									
Hexachlorocyclopentadiene	U	0.40									
Methoxychlor	U	0.40									
Toxaphene	U	9.9									
Surr: DCB	35		24.84		140	23	157				
Surr: TCX	29		24.84		117	21	151				

**Qualifiers:** B Analyte detected in the associated Method Blank      C Calibration %RSD/%D exceeded for non-CCC analytes      H Holding times for preparation or analy  
 J Analyte detected below quantitation limits      P >40% diff for detected conc between the two GC column      PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits      S Spike Recovery outside accepted recovery limits      U Indicates the compound was analyzed

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

# ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081\_Soil

Sample ID: LCS-35623	SampType: LCS	TestCode: Dry8081_Soil	Units: µg/Kg	Prep Date: 5/1/2012	RunNo: 63241
Client ID: LCSS	Batch ID: 35623	TestNo: SW8081B	SW3550C	Analysis Date: 5/2/2012	SeqNo: 889429

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	5.8	0.40	4.983	0	116	27	149				
4,4'-DDE	5.4	0.40	4.983	0	108	26	144				
4,4'-DDT	6.1	0.40	4.983	0	122	25	145				
Aldrin	6.1	0.40	4.983	0	123	28	147				
alpha-BHC	5.3	0.40	4.983	0	106	34	146				
beta-BHC	6.4	0.40	4.983	0	129	25	155				
Chlorobenzilate	3.9	0.40	4.983	0	79.1	26	152				
DBCP	5.9	0.80	4.983	0	118	24	148				
delta-BHC	6.4	0.40	4.983	0	129	27	146				
Dieldrin	5.5	0.40	4.983	0	110	25	148				
Endosulfan I	5.7	0.40	4.983	0	114	26	146				
Endosulfan II	5.1	0.40	4.983	0	103	22	143				
Endosulfan sulfate	5.7	0.40	4.983	0	115	24	154				
Endrin	6.1	0.40	4.983	0	123	23	145				
Endrin aldehyde	5.7	0.80	4.983	0	114	25	153				C
Endrin ketone	6.5	0.40	4.983	0	130	33	152				
gamma-BHC	6.3	0.40	4.983	0	127	27	147				
Heptachlor	5.6	0.40	4.983	0	112	33	150				
Heptachlor epoxide	5.6	0.40	4.983	0	112	33	148				
Hexachlorobenzene	4.1	0.40	4.983	0	83.2	20	145				
Hexachlorocyclopentadiene	4.6	0.40	4.983	0	92.8	29	144				
Methoxychlor	7.0	0.40	4.983	0	141	49	154				
Surr: DCB	29		24.91		116	23	157				
Surr: TCX	24		24.91		97.0	21	151				

Qualifiers: B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234

**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Dry8082\_Soil

Sample ID: MB-35622	SampType: MBLK	TestCode: Dry8082_Soil	Units: µg/Kg	Prep Date: 5/1/2012	RunNo: 63245						
Client ID: PBS	Batch ID: 35622	TestNo: SW8082A	SW3550C	Analysis Date: 5/3/2012	SeqNo: 889641						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1016	U	2.5									
Aroclor 1221	U	2.5									
Aroclor 1232	U	2.5									
Aroclor 1242	U	2.5									
Aroclor 1248	U	2.5									
Aroclor 1254	U	2.5									
Aroclor 1260	U	2.5									
Aroclor 1262	U	2.5									
Aroclor 1268	U	2.5									
Surr: TCX	23		24.84		92.6	17	151				
Surr: DCB	24		24.84		97.7	16	152				

Sample ID: LCS-35622	SampType: LCS	TestCode: Dry8082_Soil	Units: µg/Kg	Prep Date: 5/1/2012	RunNo: 63245						
Client ID: LCSS	Batch ID: 35622	TestNo: SW8082A	SW3550C	Analysis Date: 5/3/2012	SeqNo: 889642						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aroclor 1254	62	2.5	49.43	0	126	50	135				
Surr: TCX	28		24.72		112	17	151				
Surr: DCB	27		24.72		111	16	152				

**Qualifiers:**

- B Analyte detected in the associated Method Blank
- C Calibration %RSD/%D exceeded for non-CCC analytes
- H Holding times for preparation or analy
- J Analyte detected below quantitation limits
- P >40% diff for detected conc between the two GC column
- PQL Practical Quantitation Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Dry8270\_Soil

Sample ID: <b>MB-35624</b>	SampType: <b>MBLK</b>	TestCode: <b>Dry8270_Soil</b>	Units: <b>µg/Kg</b>	Prep Date: <b>5/1/2012</b>	RunNo: <b>63221</b>
Client ID: <b>PBS</b>	Batch ID: <b>35624</b>	TestNo: <b>SW8270D</b>	SW <b>3550C</b>	Analysis Date: <b>5/1/2012</b>	SeqNo: <b>888671</b>

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

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Dry8270\_Soil

Sample ID: MB-35624	SampType: MBLK	TestCode: Dry8270_Soil	Units: µg/Kg	RunNo: 63221
Client ID: PBS	Batch ID: 35624	TestNo: SW8270D	SW3550C	SeqNo: 888671
Analyte	Result	PQL	SPK value	SPK Ref Val
		%REC	LowLimit	HighLimit
			RPD Ref Val	%RPD
				RPDLimit
				Qual

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Anthracene	U	250									
Atrazine	U	250									
Azobenzene	U	250									
Benzaldehyde	U	250									
Benzidine	U	250									
Benzo(a)anthracene	U	250									
Benzo(a)pyrene	U	250									
Benzo(b)fluoranthene	U	250									
Benzo(g,h,i)perylene	U	250									
Benzo(k)fluoranthene	U	250									
Benzoic acid	U	250									
Benzyl alcohol	U	250									
Biphenyl	U	250									
Bis(2-chloroethoxy)methane	U	250									
Bis(2-chloroethyl)ether	U	250									
Bis(2-chloroisopropyl)ether	U	250									
Bis(2-ethylhexyl)phthalate	U	250									
Butyl benzyl phthalate	U	250									
Caprolactam	U	250									
Carbazole	U	250									
Chrysene	U	250									
Dibenzo(a,h)anthracene	U	250									
Dibenzofuran	U	250									
Diethyl phthalate	U	250									
Dimethyl phthalate	U	250									
Di-n-butyl phthalate	U	250									
Di-n-octyl phthalate	U	250									
Fluoranthene	U	250									
Fluorene	U	250									
Hexachlorobenzene	U	250									
Hexachlorobutadiene	U	250									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Dry8270\_Soil

Sample ID: MB-35624	SampType: MBLK	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 5/1/2012	RunNo: 63221
Client ID: PBS	Batch ID: 35624	TestNo: SW8270D	SW3550C	Analysis Date: 5/1/2012	SeqNo: 888671

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachlorocyclopentadiene	U	250									
Hexachloroethane	U	250									
Indeno(1,2,3-c,d)pyrene	U	250									
Isophorone	U	250									
Naphthalene	U	250									
Nitrobenzene	U	250									
N-Nitrosodimethylamine	U	250									
N-Nitrosodi-n-propylamine	U	250									
N-Nitrosodiphenylamine	U	250									
Parathion	U	250									
Pentachlorophenol	U	250									
Phenanthrene	U	250									
Phenol	U	250									
Pyrene	U	250									
Pyridine	U	250									
Surr: 2,4,6-Tribromophenol	2200		1987		111	21	119				S
Surr: 2-Fluorobiphenyl	1200		993.5		117	21	117				
Surr: 2-Fluorophenol	930		1987		46.6	11	105				
Surr: 4-Terphenyl-d14	840		993.5		84.3	21	132				
Surr: Nitrobenzene-d5	970		993.5		97.7	18	116				
Surr: Phenol-d6	1200		1987		59.2	12	110				

Sample ID: LCS-35624	SampType: LCS	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 5/1/2012	RunNo: 63221
Client ID: LCSS	Batch ID: 35624	TestNo: SW8270D	SW3550C	Analysis Date: 5/1/2012	SeqNo: 888672

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	690	250	981.4	0	70.1	38	128				
1,2-Dichlorobenzene	840	250	981.4	0	85.2	35	129				
1,3-Dichlorobenzene	820	250	981.4	0	83.4	36	122				
1,4-Dichlorobenzene	840	250	981.4	0	85.2	33	127				
2,4,5-Trichlorophenol	720	250	981.4	0	73.2	42	122				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%d exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Dry8270\_Soil

Sample ID: LCS-35624	SampType: LCS	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 5/1/2012	RunNo: 63221
Client ID: LCSS	Batch ID: 35624	TestNo: SW8270D	SW3550C	Analysis Date: 5/1/2012	SeqNo: 888672

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,4,6-Trichlorophenol	690	250	981.4	0	69.8	40	124				
2,4-Dichlorophenol	650	250	981.4	0	66.1	37	124				
2,4-Dimethylphenol	780	250	981.4	0	79.1	35	127				
2,4-Dinitrotoluene	750	250	981.4	0	76.8	28	126				
2,6-Dinitrotoluene	870	250	981.4	0	88.3	29	127				
2-Chloronaphthalene	980	250	981.4	0	100	41	117				
2-Chlorophenol	750	250	981.4	0	76.6	37	127				
2-Methylnaphthalene	670	250	981.4	0	68.8	30	130				
2-Methylphenol	770	250	981.4	0	78.1	43	124				
2-Nitroaniline	890	250	981.4	0	90.7	30	130				
2-Nitrophenol	850	250	981.4	0	86.6	10	128				
3+4-Methylphenol	730	250	981.4	0	74.4	30	138				
3-Nitroaniline	1000	250	981.4	0	106	30	130				
4-Bromophenyl phenyl ether	920	250	981.4	0	94.0	27	135				
4-Chloro-3-methylphenol	610	250	981.4	0	61.8	31	135				
4-Chloroaniline	450	250	981.4	0	45.8	17	110				
4-Chlorophenyl phenyl ether	690	250	981.4	0	70.0	30	130				
4-Nitroaniline	750	250	981.4	0	76.3	20	120				
4-Nitrophenol	520	250	981.4	0	52.5	11	124				
Acenaphthene	940	250	981.4	0	95.4	38	141				
Acenaphthylene	900	250	981.4	0	91.8	48	121				
Aniline	600	250	981.4	0	61.2	25	135				
Anthracene	920	250	981.4	0	94.1	40	120				
Azobenzene	920	250	981.4	0	93.3	25	125				
Benzo(a)anthracene	890	250	981.4	0	90.3	45	120				
Benzo(a)pyrene	910	250	981.4	0	92.9	47	137				
Benzo(b)fluoranthene	1000	250	981.4	0	103	42	136				
Benzo(g,h,i)perylene	420	250	981.4	0	42.9	42	138				
Benzo(k)fluoranthene	820	250	981.4	0	83.7	32	147				
Benzyl alcohol	800	250	981.4	0	81.4	20	130				
Bis(2-chloroethoxy)methane	800	250	981.4	0	81.5	23	133				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%d exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Dry8270\_Soil

Sample ID: LCS-35624	SampType: LCS	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 5/1/2012	RunNo: 63221						
Client ID: LCSS	Batch ID: 35624	TestNo: SW8270D	SW3550C	Analysis Date: 5/1/2012	SeqNo: 888672						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bis(2-chloroethyl)ether	890	250	981.4	0	90.3	41	136				
Bis(2-chloroisopropyl)ether	1000	250	981.4	0	107	52	138				
Bis(2-ethylhexyl)phthalate	1200	250	981.4	0	127	57	129				
Butyl benzyl phthalate	1100	250	981.4	0	114	51	125				
Carbazole	930	250	981.4	0	94.7	30	130				
Chrysene	730	250	981.4	0	74.5	43	125				
Dibenzofuran	840	250	981.4	0	85.5	30	130				
Diethyl phthalate	970	250	981.4	0	98.8	47	125				
Dimethyl phthalate	1000	250	981.4	0	103	44	131				
Di-n-butyl phthalate	1200	250	981.4	0	119	51	128				
Fluoranthene	860	250	981.4	0	88.1	42	120				
Fluorene	760	250	981.4	0	77.3	38	122				
Hexachlorobenzene	1200	250	981.4	0	125	40	133				
Hexachlorobutadiene	670	250	981.4	0	68.1	38	135				
Hexachlorocyclopentadiene	660	250	981.4	0	66.9	10	128				
Hexachloroethane	770	250	981.4	0	78.9	21	138				
Indeno(1,2,3-c,d)pyrene	880	250	981.4	0	90.0	49	150				
Isophorone	920	250	981.4	0	94.2	47	122				
Naphthalene	830	250	981.4	0	84.3	33	127				
Nitrobenzene	940	250	981.4	0	96.2	36	127				
N-Nitrosodi-n-propylamine	870	250	981.4	0	89.1	45	121				
N-Nitrosodiphenylamine	1100	250	981.4	0	115	19	122				
Pentachlorophenol	700	250	981.4	0	71.0	21	124				
Phenanthrene	980	250	981.4	0	99.5	49	126				
Phenol	550	250	981.4	0	56.1	21	136				
Pyrene	900	250	981.4	0	91.6	39	123				
Surr: 2,4,6-Tribromophenol	2400		1963		121	21	119				S
Surr: 2-Fluorobiphenyl	1000		981.4		102	21	117				
Surr: 2-Fluorophenol	920		1963		46.7	11	105				
Surr: 4-Terphenyl-d14	830		981.4		84.6	21	132				
Surr: Nitrobenzene-d5	980		981.4		99.9	18	116				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%d exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**TestCode:** Dry8270\_Soil

Sample ID: LCS-35624	SampType: LCS	TestCode: Dry8270_Soil	Units: µg/Kg	Prep Date: 5/1/2012	RunNo: 63221						
Client ID: LCSS	Batch ID: 35624	TestNo: SW8270D	SW3550C	Analysis Date: 5/1/2012	SeqNo: 888672						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Phenol-d6	1100		1963		58.4	12	110				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** DryFull8260\_Soil

Sample ID: V624LCS-042712HS	SampType: LCS	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194						
Client ID: LCSS	Batch ID: R63194	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887721						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	33	5.0	50.00	0	66.2	40	125				
1,1,2,2-Tetrachloroethane	50	5.0	50.00	0	99.5	41	130				
1,1,2-Trichloroethane	36	5.0	50.00	0	72.7	43	121				
1,1-Dichloroethane	32	5.0	50.00	0	64.9	42	126				
1,1-Dichloroethene	34	5.0	50.00	0	67.1	40	126				
1,2-Dichlorobenzene	37	5.0	50.00	0	74.5	41	122				
1,2-Dichloroethane	32	5.0	50.00	0	63.4	42	133				
1,2-Dichloropropane	36	5.0	50.00	0	71.4	41	128				
1,3-Dichlorobenzene	38	5.0	50.00	0	76.7	45	119				
1,4-Dichlorobenzene	38	5.0	50.00	0	75.1	46	121				
2-Chloroethyl vinyl ether	38	5.0	50.00	0	75.9	30	135				
Benzene	31	5.0	50.00	0	61.5	35	123				
Bromodichloromethane	33	5.0	50.00	0	65.9	37	130				
Bromoform	44	5.0	50.00	0	87.2	43	121				
Bromomethane	26	5.0	50.00	0	52.1	32	130				
Carbon tetrachloride	33	5.0	50.00	0	66.1	37	134				
Chlorobenzene	36	5.0	50.00	0	71.8	40	124				
Chloroethane	21	5.0	50.00	0	42.2	35	141				C
Chloroform	32	5.0	50.00	0	65.0	36	126				
Chloromethane	38	5.0	50.00	0	75.0	42	141				
cis-1,3-Dichloropropene	34	5.0	50.00	0	67.6	30	130				
Dibromochloromethane	34	5.0	50.00	0	68.5	43	125				
Ethylbenzene	37	5.0	50.00	0	73.6	44	122				
Methylene chloride	31	5.0	50.00	0	62.4	32	132				B
Tetrachloroethene	35	5.0	50.00	0	69.0	31	120				
Toluene	33	5.0	50.00	0	66.9	42	124				
trans-1,2-Dichloroethene	29	5.0	50.00	0	58.9	38	122				
trans-1,3-Dichloropropene	31	5.0	50.00	0	62.0	45	123				
Trichloroethene	36	5.0	50.00	0	71.8	46	124				
Trichlorofluoromethane	50	5.0	50.00	0	99.0	45	137				C
Vinyl chloride	37	5.0	50.00	0	74.3	46	139				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 H Holding times for preparation or analyte  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**ANALYTICAL QC SUMMARY REPORT**

**TestCode:** DryFull8260\_Soil

Sample ID: V624LCS-042712HS	SampType: LCS	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194						
Client ID: LCSS	Batch ID: R63194	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887721						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	49		50.00		97.8	42	133				
Surr: Dibromofluoromethane	45		50.00		90.4	50	133				
Surr: Toluene-d8	47		50.00		94.6	53	130				

Sample ID: VBLK-042712HS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194						
Client ID: PBS	Batch ID: R63194	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887722						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									
1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
1,4-Dioxane	U	5.0									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260\_Soil

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

Sample ID: VBLK-042712HS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194
Client ID: PBS	Batch ID: R63194	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887722

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	U	5.0									C
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
2-Propanol	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									C
Acetone	U	5.0									C
Acrolein	U	10									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									C
Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									C
Diisopropyl ether	U	5.0									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC columns  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
1204234

**Work Order:** 538 Union Avenue, Brooklyn, NY

**Project:** DryFull8260\_Soil

Sample ID: VBLK-042712HS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194
Client ID: PBS	Batch ID: R63194	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887722

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethanol	U	10									
Ethyl acetate	U	5.0									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									C
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	10									
Methyl Acetate	U	5.0									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	3.6	5.0									J
n-Amyl acetate	U	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									C
Vinyl acetate	U	5.0									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** DryFull8260\_Soil

Sample ID: VBLK-042712HS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194
Client ID: PBS	Batch ID: R63194	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887722

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	U	5.0									
Surr: 4-Bromofluorobenzene	43		50.00		86.1	42	133				
Surr: Dibromofluoromethane	45		50.00		90.3	50	133				
Surr: Toluene-d8	45		50.00		90.8	53	130				

Sample ID: V624LCS-042712aH	SampType: LCS	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194
Client ID: LCSS	Batch ID: R63194A	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887832

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	32	5.0	50.00	0	63.8	40	125				
1,1,2,2-Tetrachloroethane	48	5.0	50.00	0	95.3	41	130				
1,1,2-Trichloroethane	35	5.0	50.00	0	69.0	43	121				
1,1-Dichloroethane	31	5.0	50.00	0	61.6	42	126				
1,1-Dichloroethene	33	5.0	50.00	0	65.8	40	126				
1,2-Dichlorobenzene	37	5.0	50.00	0	74.7	41	122				
1,2-Dichloroethane	30	5.0	50.00	0	60.5	42	133				
1,2-Dichloropropane	34	5.0	50.00	0	68.6	41	128				
1,3-Dichlorobenzene	38	5.0	50.00	0	76.3	45	119				
1,4-Dichlorobenzene	37	5.0	50.00	0	74.2	46	121				
2-Chloroethyl vinyl ether	36	5.0	50.00	0	71.8	30	135				
Benzene	31	5.0	50.00	0	61.2	35	123				
Bromodichloromethane	32	5.0	50.00	0	64.8	37	130				
Bromoform	44	5.0	50.00	0	87.1	43	121				
Bromomethane	28	5.0	50.00	0	56.4	32	130				
Carbon tetrachloride	33	5.0	50.00	0	66.3	37	134				
Chlorobenzene	37	5.0	50.00	0	74.5	40	124				
Chloroethane	21	5.0	50.00	0	42.3	35	141				
Chloroform	31	5.0	50.00	0	62.4	36	126				
Chloromethane	36	5.0	50.00	0	71.4	42	141				
cis-1,3-Dichloropropene	32	5.0	50.00	0	63.6	30	130				
Dibromochloromethane	34	5.0	50.00	0	68.0	43	125				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**ANALYTICAL QC SUMMARY REPORT**

**TestCode:** DryFull8260\_Soil

Sample ID: V624LCS-042712aH	SampType: LCS	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194						
Client ID: LCSS	Batch ID: R63194A	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887832						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Ethylbenzene	37	5.0	50.00	0	74.6	44	122				
Methylene chloride	31	5.0	50.00	0	61.1	32	132				B
Tetrachloroethene	35	5.0	50.00	0	69.8	31	120				
Toluene	33	5.0	50.00	0	65.7	42	124				
trans-1,2-Dichloroethene	30	5.0	50.00	0	59.4	38	122				
trans-1,3-Dichloropropene	30	5.0	50.00	0	59.7	45	123				
Trichloroethene	36	5.0	50.00	0	72.0	46	124				
Trichlorofluoromethane	46	5.0	50.00	0	92.7	45	137				C
Vinyl chloride	37	5.0	50.00	0	73.2	46	139				C
Surr: 4-Bromofluorobenzene	47		50.00		93.9	42	133				
Surr: Dibromofluoromethane	46		50.00		91.6	50	133				
Surr: Toluene-d8	47		50.00		94.6	53	130				

Sample ID: VBLK-042712aHS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194						
Client ID: PBS	Batch ID: R63194A	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887833						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	5.0									
1,1,1-Trichloroethane	U	5.0									
1,1,2,2-Tetrachloroethane	U	5.0									
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.0									
1,1,2-Trichloroethane	U	5.0									
1,1-Dichloroethane	U	5.0									
1,1-Dichloroethene	U	5.0									
1,1-Dichloropropene	U	5.0									
1,2,3-Trichlorobenzene	U	5.0									
1,2,3-Trichloropropane	U	5.0									
1,2,4,5-Tetramethylbenzene	U	5.0									
1,2,4-Trichlorobenzene	U	5.0									
1,2,4-Trimethylbenzene	U	5.0									
1,2-Dibromo-3-chloropropane	U	5.0									

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
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**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** DryFull8260\_Soil

Sample ID: VBLK-042712aHS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194						
Client ID: PBS	Batch ID: R63194A	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887833						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,2-Dibromoethane	U	5.0									
1,2-Dichlorobenzene	U	5.0									
1,2-Dichloroethane	U	5.0									
1,2-Dichloropropane	U	5.0									
1,3,5-Trimethylbenzene	U	5.0									
1,3-Dichlorobenzene	U	5.0									
1,3-dichloropropane	U	5.0									
1,4-Dichlorobenzene	U	5.0									
1,4-Dioxane	U	5.0									
2,2-Dichloropropane	U	5.0									
2-Butanone	U	5.0									
2-Chloroethyl vinyl ether	U	5.0									
2-Chlorotoluene	U	5.0									
2-Hexanone	U	5.0									
2-Propanol	U	5.0									
4-Chlorotoluene	U	5.0									
4-Isopropyltoluene	U	5.0									
4-Methyl-2-pentanone	U	5.0									
Acetone	U	5.0									
Acrolein	U	10									
Acrylonitrile	U	5.0									
Benzene	U	5.0									
Bromobenzene	U	5.0									
Bromochloromethane	U	5.0									
Bromodichloromethane	U	5.0									
Bromoform	U	5.0									
Bromomethane	U	5.0									
Carbon disulfide	U	5.0									
Carbon tetrachloride	U	5.0									
Chlorobenzene	U	5.0									
Chlorodifluoromethane	U	5.0									

**Qualifiers:** B Analyte detected in the associated Method Blank  
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 C Calibration %RSD/%D exceeded for non-CCC analytes  
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**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

# ANALYTICAL QC SUMMARY REPORT

**TestCode:** DryFull8260\_Soil

Sample ID: VBLK-042712aHS	SampType: MBLK	TestCode: DryFull8260_	Units: µg/Kg	Prep Date: 4/27/2012	RunNo: 63194						
Client ID: PBS	Batch ID: R63194A	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887833						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Chloroethane	U	5.0									
Chloroform	U	5.0									
Chloromethane	U	5.0									
cis-1,2-Dichloroethene	U	5.0									
cis-1,3-Dichloropropene	U	5.0									
Dibromochloromethane	U	5.0									
Dibromomethane	U	5.0									
Dichlorodifluoromethane	U	5.0									
Diisopropyl ether	U	5.0									
Ethanol	U	5.0									
Ethyl acetate	U	10									
Ethylbenzene	U	5.0									
Freon-114	U	5.0									
Hexachlorobutadiene	U	5.0									
Isopropyl acetate	U	5.0									
Isopropylbenzene	U	5.0									
m,p-Xylene	U	5.0									
Methyl Acetate	U	10									
Methyl tert-butyl ether	U	5.0									
Methylene chloride	U	5.0									
n-Amyl acetate	4.2	5.0									
Naphthalene	U	5.0									
n-Butyl acetate	U	5.0									
n-Butylbenzene	U	5.0									
n-Propyl acetate	U	5.0									
n-Propylbenzene	U	5.0									
o-Xylene	U	5.0									
p-Diethylbenzene	U	5.0									
p-Ethyltoluene	U	5.0									
sec-Butylbenzene	U	5.0									
Styrene	U	5.0									

**Qualifiers:** B Analyte detected in the associated Method Blank  
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 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or anal  
 PQL Practical Quantitation Limit  
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# ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260\_Soil

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
t-Butyl alcohol	U	5.0									
tert-Butylbenzene	U	5.0									
Tetrachloroethene	U	5.0									
Toluene	U	5.0									
trans-1,2-Dichloroethene	U	5.0									
trans-1,3-Dichloropropene	U	5.0									
Trichloroethene	U	5.0									
Trichlorofluoromethane	U	5.0									C
Vinyl acetate	U	5.0									
Vinyl chloride	U	5.0									C
Surr: 4-Bromofluorobenzene	43		50.00		87.0	42		133			
Surr: Dibromofluoromethane	47		50.00		93.7	50		133			
Surr: Toluene-d8	44		50.00		88.9	53		130			

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**TestCode:** DRYHG\_S

Sample ID: MBS050112A	SampType: MBLK	TestCode: DRYHG_S	Units: mg/Kg	Prep Date: 5/1/2012	RunNo: 63213						
Client ID: PBS	Batch ID: 35654	TestNo: SW7471B	SW7471B	Analysis Date: 5/1/2012	SeqNo: 888494						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	U	0.0100									

Sample ID: LCSS050112A	SampType: LCS	TestCode: DRYHG_S	Units: mg/Kg	Prep Date: 5/1/2012	RunNo: 63213						
Client ID: LCSS	Batch ID: 35654	TestNo: SW7471B	SW7471B	Analysis Date: 5/1/2012	SeqNo: 888495						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.216	0.0100	0.2000	0	108	80	120				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC columns  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Full8260\_W

Sample ID: V624LCS-050112aH	SampType: LCS	TestCode: Full8260_W	Units: µg/L
Client ID: LCSW	Batch ID: R63194B	TestNo: SW8260C	Prep Date:
			Analysis Date: 5/1/2012
			RunNo: 63194
			SeqNo: 889897

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	35	1.0	50.00	0	70.7	38	136				
1,1,2,2-Tetrachloroethane	47	1.0	50.00	0	94.1	50	124				
1,1,2-Trichloroethane	38	1.0	50.00	0	76.5	52	128				
1,1-Dichloroethane	34	1.0	50.00	0	67.9	55	123				
1,1-Dichloroethene	37	1.0	50.00	0	74.4	48	128				
1,2-Dichlorobenzene	37	1.0	50.00	0	74.2	59	123				
1,2-Dichloroethane	34	1.0	50.00	0	67.9	52	129				
1,2-Dichloropropane	37	1.0	50.00	0	73.6	58	124				
1,3-Dichlorobenzene	37	1.0	50.00	0	74.2	51	124				
1,4-Dichlorobenzene	35	1.0	50.00	0	70.5	54	128				
2-Chloroethyl vinyl ether	37	1.0	50.00	0	74.8	25	141				
Benzene	33	1.0	50.00	0	66.9	53	131				
Bromodichloromethane	35	1.0	50.00	0	70.6	54	126				
Bromoform	43	1.0	50.00	0	86.0	53	127				C
Bromomethane	26	1.0	50.00	0	52.1	42	150				
Carbon tetrachloride	37	1.0	50.00	0	73.2	46	135				
Chlorobenzene	37	1.0	50.00	0	73.6	53	121				
Chloroethane	23	1.0	50.00	0	45.9	40	145				C
Chloroform	36	1.0	50.00	0	72.2	41	135				
Chloromethane	32	1.0	50.00	0	64.4	32	149				C
cis-1,3-Dichloropropene	34	1.0	50.00	0	68.5	46	128				
Dibromochloromethane	37	1.0	50.00	0	73.7	42	124				
Ethylbenzene	37	1.0	50.00	0	74.3	52	135				
Methylene chloride	34	1.0	50.00	0	67.5	35	137				B
Tetrachloroethene	36	2.0	50.00	0	71.2	26	126				
Toluene	35	1.0	50.00	0	69.7	51	130				
trans-1,2-Dichloroethene	32	1.0	50.00	0	63.2	49	125				
trans-1,3-Dichloropropene	32	1.0	50.00	0	63.3	43	125				
Trichloroethene	37	1.0	50.00	0	75.0	47	127				
Trichlorofluoromethane	50	1.0	50.00	0	100	50	152				C
Vinyl chloride	39	1.0	50.00	0	78.6	50	149				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Full8260\_W

Sample ID: V624LCS-050112aH	SampType: LCS	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 63194
Client ID: LCSW	Batch ID: R63194B	TestNo: SW8260C		Analysis Date: 5/1/2012	SeqNo: 889897

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: µg/L	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	50		50.00			99.7	63	123				
Surr: Dibromofluoromethane	50		50.00			99.6	68	124				
Surr: Toluene-d8	50		50.00			99.1	67	125				

Sample ID: VBLK-050112aHS	SampType: MBLK	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 63194
Client ID: PBW	Batch ID: R63194B	TestNo: SW8260C		Analysis Date: 5/1/2012	SeqNo: 889898

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: µg/L	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1,2-Tetrachloroethane	U	1.0										
1,1,1-Trichloroethane	U	1.0										
1,1,2,2-Tetrachloroethane	U	1.0										
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0										
1,1,2-Trichloroethane	U	1.0										
1,1-Dichloroethane	U	1.0										
1,1-Dichloroethene	U	1.0										
1,1-Dichloropropene	U	1.0										
1,2,3-Trichlorobenzene	U	1.0										
1,2,3-Trichloropropane	U	1.0										
1,2,4,5-Tetramethylbenzene	U	1.0										C
1,2,4-Trichlorobenzene	U	1.0										
1,2,4-Trimethylbenzene	U	1.0										
1,2-Dibromo-3-chloropropane	U	2.0										C
1,2-Dibromoethane	U	1.0										
1,2-Dichlorobenzene	U	1.0										
1,2-Dichloroethane	U	1.0										
1,2-Dichloropropane	U	1.0										
1,3,5-Trimethylbenzene	U	1.0										
1,3-Dichlorobenzene	U	1.0										
1,3-dichloropropane	U	1.0										
1,4-Dichlorobenzene	U	1.0										
1,4-Dioxane	U	1.0										

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.

**Work Order:** 1204234

**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Full8260\_W

Sample ID: VBLK-050112aHS	SampType: MBLK	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 63194
Client ID: PBW	Batch ID: R63194B	TestNo: SW8260C		Analysis Date: 5/1/2012	SeqNo: 889898

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: µg/L	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2,2-Dichloropropane	U	1.0										
2-Butanone	U	2.5										
2-Chloroethyl vinyl ether	U	1.0										
2-Chlorotoluene	U	1.0										
2-Hexanone	U	2.5										
2-Propanol	U	1.0										
4-Chlorotoluene	U	1.0										
4-Isopropyltoluene	U	1.0										
4-Methyl-2-pentanone	U	2.5										
Acetone	U	5.0										C
Acrolein	U	10										
Acrylonitrile	U	1.0										
Benzene	U	1.0										
Bromobenzene	U	1.0										
Bromochloromethane	U	1.0										
Bromodichloromethane	U	1.0										C
Bromoform	U	1.0										
Bromomethane	U	1.0										
Carbon disulfide	U	1.0										
Carbon tetrachloride	U	1.0										
Chlorobenzene	U	1.0										
Chlorodifluoromethane	U	1.0										C
Chloroethane	U	1.0										
Chloroform	U	1.0										
Chloromethane	U	1.0										
cis-1,2-Dichloroethene	U	1.0										
cis-1,3-Dichloropropene	U	1.0										
Dibromochloromethane	U	1.0										
Dibromomethane	U	1.0										
Dichlorodifluoromethane	U	1.0										
Diisopropyl ether	U	1.0										

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analysis  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
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CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

# ANALYTICAL QC SUMMARY REPORT

TestCode: Full8260\_W

Analyte	Result	PQL	SPK value	SPK Ref Val	Units: µg/L	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	TestCode: Full8260_W		Client ID: PBW	
													SampType: MBLK	Batch ID: R63194B	RunNo: 63194	SeqNo: 889898
Ethanol	U	5.0														
Ethyl acetate	U	1.0														
Ethylbenzene	U	1.0														
Freon-114	U	1.0														
Hexachlorobutadiene	U	1.0														
Isopropyl acetate	U	2.0														
Isopropylbenzene	U	1.0														
m,p-Xylene	U	2.0														
Methyl Acetate	U	2.0														
Methyl tert-butyl ether	U	1.0														
Methylene chloride	4.3	1.0														
n-Amyl acetate	U	1.0														
Naphthalene	U	1.0														
n-Butyl acetate	U	2.0														
n-Butylbenzene	U	1.0														
n-Propyl acetate	U	1.0														
n-Propylbenzene	U	1.0														
o-Xylene	U	1.0														
p-Diethylbenzene	U	1.0														
p-Ethyltoluene	U	1.0														
sec-Butylbenzene	U	1.0														
Styrene	U	1.0														
t-Butyl alcohol	U	2.0														
tert-Butylbenzene	U	1.0														
Tetrachloroethene	U	2.0														
Toluene	U	1.0														
trans-1,2-Dichloroethene	U	1.0														
trans-1,3-Dichloropropene	U	1.0														
Trichloroethene	U	1.0														
Trichlorofluoromethane	U	1.0														
Vinyl acetate	U	1.0														

C

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Full8260\_W

Sample ID: VBLK-050112aHS	SampType: MBLK	TestCode: Full8260_W	Units: µg/L	Prep Date:	RunNo: 63194
Client ID: PBW	Batch ID: R63194B	TestNo: SW8260C		Analysis Date: 5/1/2012	SeqNo: 889898

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Vinyl chloride	U	1.0									
Surr: 4-Bromofluorobenzene	45		50.00		89.4	63	123				
Surr: Dibromofluoromethane	51		50.00		102	68	124				
Surr: Toluene-d8	46		50.00		91.0	67	125				

**Qualifiers:** B Analyte detected in the associated Method Blank    C Calibration %RSD/%D exceeded for non-CCC analytes    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** HG\_D

Sample ID: MBW050312B	SampType: MBLK	TestCode: HG_D	Units: mg/L	Prep Date:	RunNo: 63238						
Client ID: PBW	Batch ID: 35571	TestNo: E245.1	SW3005A	Analysis Date: 5/3/2012	SeqNo: 889198						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	U	0.000200									

Sample ID: LCSW051312B	SampType: LCS	TestCode: HG_D	Units: mg/L	Prep Date:	RunNo: 63238						
Client ID: LCSW	Batch ID: 35571	TestNo: E245.1	SW3005A	Analysis Date: 5/3/2012	SeqNo: 889199						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.00393	0.000200	0.004000	0	98.2	76	122				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analyte  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

TestCode: ICP\_TAL\_D

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234

Project: 538 Union Avenue, Brooklyn, NY

Sample ID: MBW042612AD	SampType: MBLK	TestCode: ICP_TAL_D	Units: mg/L	Prep Date: 4/26/2012	RunNo: 63229
Client ID: PBW	Batch ID: 35571	TestNo: E200.7	SW3005A	Analysis Date: 4/26/2012	SeqNo: 888751

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0200									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0250									
Chromium	U	0.0200									
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.100									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Sample ID: LCSW042612AD	SampType: LCS	TestCode: ICP_TAL_D	Units: mg/L	Prep Date: 4/26/2012	RunNo: 63229
Client ID: LCSW	Batch ID: 35571	TestNo: E200.7	SW3005A	Analysis Date: 4/26/2012	SeqNo: 888752

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.93	0.0200	2.000	0	96.6	85	115				
Antimony	1.91	0.0200	2.000	0	95.5	85	115				
Arsenic	2.09	0.0250	2.000	0	105	85	115				
Barium	1.94	0.0200	2.000	0	96.8	85	115				

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: ICP\_TAL\_D**

Sample ID: LCSW042612AD	SampType: LCS	TestCode: ICP_TAL_D	Units: mg/L	Prep Date: 4/26/2012	RunNo: 63229						
Client ID: LCSW	Batch ID: 35571	TestNo: E200.7	SW3005A	Analysis Date: 4/26/2012	SeqNo: 888752						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Beryllium	1.97	0.0200	2.000	0	98.3	85	115				
Cadmium	1.98	0.0100	2.000	0	98.8	85	115				
Calcium	1.93	0.0250	2.000	0	96.7	85	115				
Chromium	2.00	0.0200	2.000	0	99.9	85	115				
Cobalt	1.93	0.0200	2.000	0	96.6	85	115				
Copper	1.95	0.0200	2.000	0	97.6	85	115				
Iron	1.93	0.0200	2.000	0	96.6	85	115				
Lead	1.92	0.0150	2.000	0	95.8	85	115				
Magnesium	1.93	0.0200	2.000	0	96.3	85	115				
Manganese	1.91	0.0200	2.000	0	95.3	85	115				
Nickel	1.93	0.0200	2.000	0	96.4	85	115				
Potassium	19.3	0.100	20.00	0	96.3	85	115				
Selenium	2.00	0.0250	2.000	0	100	85	115				
Silver	1.92	0.0200	2.000	0	96.0	85	115				
Sodium	1.96	0.0300	2.000	0	98.1	85	115				
Thallium	1.91	0.0150	2.000	0	95.6	85	115				
Vanadium	1.97	0.0200	2.000	0	98.7	85	115				
Zinc	1.99	0.0200	2.000	0	99.3	85	115				

Sample ID: MBW050112A	SampType: MBLK	TestCode: ICP_TAL_D	Units: mg/L	Prep Date: 5/1/2012	RunNo: 63230						
Client ID: PBW	Batch ID: 35694	TestNo: E200.7	SW3010A	Analysis Date: 5/1/2012	SeqNo: 888755						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	U	0.0200									
Antimony	U	0.0200									
Arsenic	U	0.0250									
Barium	U	0.0200									
Beryllium	U	0.0200									
Cadmium	U	0.0100									
Calcium	U	0.0250									
Chromium	U	0.0200									

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**ANALYTICAL QC SUMMARY REPORT**

**TestCode:** ICP\_TAL\_D

Sample ID: MBW050112A    SampType: MBLK    TestCode: ICP\_TAL\_D    Units: mg/L    Prep Date: 5/1/2012    RunNo: 63230  
 Client ID: PBW    Batch ID: 35694    TestNo: E200.7    SW3010A    Analysis Date: 5/1/2012    SeqNo: 888755

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	U	0.0200									
Copper	U	0.0200									
Iron	U	0.0200									
Lead	U	0.0150									
Magnesium	U	0.0200									
Manganese	U	0.0200									
Nickel	U	0.0200									
Potassium	U	0.100									
Selenium	U	0.0250									
Silver	U	0.0200									
Sodium	U	0.0300									
Thallium	U	0.0150									
Vanadium	U	0.0200									
Zinc	U	0.0200									

Sample ID: LCSW050112A    SampType: LCS    TestCode: ICP\_TAL\_D    Units: mg/L    Prep Date: 5/1/2012    RunNo: 63230  
 Client ID: LCSW    Batch ID: 35694    TestNo: E200.7    SW3010A    Analysis Date: 5/1/2012    SeqNo: 888756

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	1.85	0.0200	2.000	0	92.4	85	115				
Antimony	2.09	0.0200	2.000	0	104	85	115				
Arsenic	2.03	0.0250	2.000	0	102	85	115				
Barium	2.05	0.0200	2.000	0	103	85	115				
Beryllium	2.02	0.0200	2.000	0	101	85	115				
Cadmium	1.97	0.0100	2.000	0	98.6	85	115				
Calcium	1.98	0.0250	2.000	0	99.0	85	115				
Chromium	2.07	0.0200	2.000	0	103	85	115				
Cobalt	2.05	0.0200	2.000	0	102	85	115				
Copper	2.01	0.0200	2.000	0	101	85	115				
Iron	2.04	0.0200	2.000	0	102	85	115				
Lead	2.04	0.0150	2.000	0	102	85	115				

**Qualifiers:** B Analyte detected in the associated Method Blank    C Calibration %RSD/%D exceeded for non-CCC analytes    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**TestCode:** ICP\_TAL\_D  
**ANALYTICAL QC SUMMARY REPORT**

**Sample ID:** LCSW050112A    **SampType:** LCS    **TestCode:** ICP\_TAL\_D    **Units:** mg/L    **Prep Date:** 5/1/2012    **RunNo:** 63230  
**Client ID:** LCSW    **Batch ID:** 35694    **TestNo:** E200.7    **SW3010A**    **Analysis Date:** 5/1/2012    **SeqNo:** 888756

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	1.92	0.0200	2.000	0	96.0	85	115				
Manganese	2.01	0.0200	2.000	0	100	85	115				
Nickel	2.03	0.0200	2.000	0	101	85	115				
Potassium	18.1	0.100	20.00	0	90.5	85	115				
Selenium	1.99	0.0250	2.000	0	99.4	85	115				
Silver	1.92	0.0200	2.000	0	96.0	85	115				
Sodium	1.92	0.0300	2.000	0	96.1	85	115				
Thallium	1.93	0.0150	2.000	0	96.3	85	115				
Vanadium	2.02	0.0200	2.000	0	101	85	115				
Zinc	2.02	0.0200	2.000	0	101	85	115				

**Qualifiers:** B Analyte detected in the associated Method Blank    C Calibration %RSD/%D exceeded for non-CCC analytes    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

American Analytical Laboratories, LLC.

Date: 07-May-12

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

TestCode: Dry8081\_Soil

ANALYTICAL QC SUMMARY REPORT

Sample ID: 1204234-08B-MS    SampType: MS    TestCode: Dry8081\_Soil    Units: µg/Kg-dry    Prep Date: 5/1/2012    RunNo: 63241  
 Client ID: B-10 (2-4ft)    Batch ID: 35623    TestNo: SW8081B    SW3550C    Analysis Date: 5/2/2012    SeqNo: 889513

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	81	0.51	6.354	107.3	-414	25	155				S
4,4'-DDE	120	0.51	6.354	150.2	-495	20	141				S
4,4'-DDT	830	0.51	6.354	976.9	-2250	22	140				S
Aldrin	7.1	0.51	6.354	0	111	24	154				
alpha-BHC	3.2	0.51	6.354	0	50.1	21	145				
beta-BHC	5.9	0.51	6.354	0	93.0	22	156				
Chlorobenzilate	18	0.51	6.354	0	280	25	145				S
DBCP	3.6	1.0	6.354	0	55.9	24	148				
delta-BHC	5.4	0.51	6.354	0	85.4	26	150				
Dieldrin	12	0.51	6.354	17.14	-81.1	20	154				S
Endosulfan I	7.9	0.51	6.354	0	125	23	151				
Endosulfan II	8.5	0.51	6.354	0	134	23	149				
Endosulfan sulfate	5.5	0.51	6.354	0	86.8	21	147				
Endrin	7.5	0.51	6.354	0	118	22	142				
Endrin aldehyde	3.4	1.0	6.354	0	53.5	20	145				C
Endrin ketone	5.6	0.51	6.354	0	87.6	23	139				
gamma-BHC	5.2	0.51	6.354	0	82.3	21	147				
Heptachlor	7.6	0.51	6.354	11.07	-53.9	23	147				S
Heptachlor epoxide	12	0.51	6.354	30.41	-284	24	152				
Hexachlorobenzene	5.0	0.51	6.354	0	79.1	25	147				S
Hexachlorocyclopentadiene	4.2	0.51	6.354	0	66.6	30	146				
Methoxychlor	17	0.51	6.354	27.35	-169	26	149				S
Surr: DCB	26		31.77		83.0	23	157				
Surr: TCX	15		31.77		47.4	21	151				

Sample ID: 1204234-08B-MSD    SampType: MSD    TestCode: Dry8081\_Soil    Units: µg/Kg-dry    Prep Date: 5/1/2012    RunNo: 63241  
 Client ID: B-10 (2-4ft)    Batch ID: 35623    TestNo: SW8081B    SW3550C    Analysis Date: 5/2/2012    SeqNo: 889514

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	81	0.51	6.354	107.3	-414	25	155				S
4,4'-DDE	120	0.51	6.354	150.2	-495	20	141				S
4,4'-DDT	830	0.51	6.354	976.9	-2250	22	140				S
Aldrin	7.1	0.51	6.354	0	111	24	154				
alpha-BHC	3.2	0.51	6.354	0	50.1	21	145				
beta-BHC	5.9	0.51	6.354	0	93.0	22	156				
Chlorobenzilate	18	0.51	6.354	0	280	25	145				S
DBCP	3.6	1.0	6.354	0	55.9	24	148				
delta-BHC	5.4	0.51	6.354	0	85.4	26	150				
Dieldrin	12	0.51	6.354	17.14	-81.1	20	154				S
Endosulfan I	7.9	0.51	6.354	0	125	23	151				
Endosulfan II	8.5	0.51	6.354	0	134	23	149				
Endosulfan sulfate	5.5	0.51	6.354	0	86.8	21	147				
Endrin	7.5	0.51	6.354	0	118	22	142				
Endrin aldehyde	3.4	1.0	6.354	0	53.5	20	145				C
Endrin ketone	5.6	0.51	6.354	0	87.6	23	139				
gamma-BHC	5.2	0.51	6.354	0	82.3	21	147				
Heptachlor	7.6	0.51	6.354	11.07	-53.9	23	147				S
Heptachlor epoxide	12	0.51	6.354	30.41	-284	24	152				
Hexachlorobenzene	5.0	0.51	6.354	0	79.1	25	147				S
Hexachlorocyclopentadiene	4.2	0.51	6.354	0	66.6	30	146				
Methoxychlor	17	0.51	6.354	27.35	-169	26	149				S
Surr: DCB	26		31.77		83.0	23	157				
Surr: TCX	15		31.77		47.4	21	151				

Qualifiers: B Analyte detected in the associated Method Blank    C Calibration %RSD/%D exceeded for non-CCC analytes    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8081\_Soil

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

Sample ID: 1204234-08B-MSD	SampType: MSD	TestCode: Dry8081_Soil	Units: µg/Kg-dry	Prep Date: 5/1/2012	RunNo: 63241						
Client ID: B-10 (2-4ft)	Batch ID: 35623	TestNo: SW8081B	SW3550C	Analysis Date: 5/2/2012	SeqNo: 889514						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	61	0.51	6.382	107.3	-722	25	155	80.95	27.8	20	SR
4,4'-DDE	89	0.51	6.382	150.2	-951	20	141	118.7	28.1	20	SR
4,4'-DDT	550	0.51	6.382	976.9	-6630	22	140	834.3	40.4	20	SR
Aldrin	8.4	0.51	6.382	0	132	24	154	7.057	17.9	20	
alpha-BHC	3.1	0.51	6.382	0	47.9	21	145	3.183	3.99	20	
beta-BHC	4.7	0.51	6.382	0	73.3	22	156	5.907	23.3	20	R
Chlorobenzilate	21	0.51	6.382	0	335	25	145	17.78	18.4	20	S
DBCP	4.3	1.0	6.382	0	67.6	24	148	3.553	19.3	20	
delta-BHC	5.6	0.51	6.382	0	87.2	26	150	5.424	2.57	20	
Dieldrin	17	0.51	6.382	17.14	-7.71	20	154	11.99	32.5	20	SR
Endosulfan I	4.8	0.51	6.382	0	75.1	23	151	7.926	49.3	20	R
Endosulfan II	4.1	0.51	6.382	0	63.8	23	149	8.517	70.6	20	R
Endosulfan sulfate	5.1	0.51	6.382	0	79.5	21	147	5.518	8.34	20	
Endrin	3.1	0.51	6.382	0	49.0	22	142	7.522	82.5	20	R
Endrin aldehyde	2.9	1.0	6.382	0	45.7	20	145	3.396	15.2	20	C
Endrin ketone	5.3	0.51	6.382	0	83.3	23	139	5.568	4.61	20	
gamma-BHC	5.0	0.51	6.382	0	78.8	21	147	5.228	3.94	20	
Heptachlor	7.0	0.51	6.382	11.07	-63.4	23	147	7.642	8.44	20	S
Heptachlor epoxide	17	0.51	6.382	30.41	-212	24	152	12.37	31.0	20	SR
Hexachlorobenzene	5.3	0.51	6.382	0	82.5	25	147	5.025	4.67	20	
Hexachlorocyclopentadiene	4.7	0.51	6.382	0	73.0	30	146	4.230	9.58	20	
Methoxychlor	14	0.51	6.382	27.35	-212	26	149	16.64	18.6	20	S
Surr: DCB	21		31.91		66.9	23	157		0	0	
Surr: TCX	15		31.91		46.2	21	151		0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%d exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8082\_Soil

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

Sample ID: 1204234-01B-MS	SampType: MS	TestCode: Dry8082_Soil	Units: µg/Kg-dry	Prep Date: 5/1/2012	RunNo: 63245						
Client ID: B-7 (0-2ft)	Batch ID: 35622	TestNo: SW8082A	SW3550C	Analysis Date: 5/3/2012	SeqNo: 889645						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	55	2.9	58.46	0	93.3	30	130				
Surr: TCX	33		29.23		113	17	151				
Surr: DCB	37		29.23		125	16	152				

Sample ID: 1204234-01B-MSD	SampType: MSD	TestCode: Dry8082_Soil	Units: µg/Kg-dry	Prep Date: 5/1/2012	RunNo: 63245						
Client ID: B-7 (0-2ft)	Batch ID: 35622	TestNo: SW8082A	SW3550C	Analysis Date: 5/3/2012	SeqNo: 889646						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aroclor 1254	72	2.9	58.95	0	122	30	130	54.51	27.6	20	R
Surr: TCX	32		29.48		110	17	151		0	0	
Surr: DCB	35		29.48		120	16	152		0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analy  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270\_Soil

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

Sample ID: 1204258-01B-MS	SampType: MS	TestCode: Dry8270_Soil	Units: µg/Kg-dry	Prep Date: 5/1/2012	RunNo: 63221						
Client ID: ZZZZZZ	Batch ID: 35624	TestNo: SW8270D	SW3550C	Analysis Date: 5/2/2012	SeqNo: 888682						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	710	260	1042	0	68.1	21	128				
1,2-Dichlorobenzene	810	260	1042	0	77.4	20	129				
1,3-Dichlorobenzene	780	260	1042	0	74.8	19	122				
1,4-Dichlorobenzene	810	260	1042	0	77.5	22	127				
2,4,5-Trichlorophenol	780	260	1042	0	74.9	23	129				
2,4,6-Trichlorophenol	850	260	1042	0	81.9	20	126				
2,4-Dichlorophenol	710	260	1042	0	68.0	18	125				
2,4-Dimethylphenol	860	260	1042	0	82.4	22	130				
2,4-Dinitrotoluene	750	260	1042	0	71.7	21	124				
2,6-Dinitrotoluene	970	260	1042	0	92.6	20	127				
2-Chloronaphthalene	1100	260	1042	0	102	22	128				
2-Chlorophenol	820	260	1042	0	78.4	18	117				
2-Methylnaphthalene	700	260	1042	0	67.1	20	120				
2-Methylphenol	760	260	1042	0	72.6	20	120				
2-Nitroaniline	980	260	1042	0	93.8	20	120				
2-Nitrophenol	910	260	1042	0	87.3	15	121				
3+4-Methylphenol	750	260	1042	0	71.5	25	137				
3-Nitroaniline	1000	260	1042	0	100	20	120				
4-Bromophenyl phenyl ether	1000	260	1042	0	96.6	27	135				
4-Chloro-3-methylphenol	580	260	1042	0	55.5	20	130				
4-Chloroaniline	550	260	1042	0	53.3	15	103				
4-Chlorophenyl phenyl ether	750	260	1042	0	72.3	35	125				
4-Nitroaniline	670	260	1042	0	64.7	20	120				
4-Nitrophenol	630	260	1042	0	60.1	22	141				
Acenaphthene	970	260	1042	0	93.6	24	132				
Acenaphthylene	1100	260	1042	0	101	22	134				
Aniline	550	260	1042	0	52.5	22	92				
Anthracene	1100	260	1042	494.0	54.8	23	139				
Azobenzene	980	260	1042	0	94.1	5	110				
Benzo(a)anthracene	1100	260	1042	274.1	77.6	24	134				
Benzo(a)pyrene	1100	260	1042	264.0	78.3	23	136				

**Qualifiers:**  
 B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Dry8270\_Soil

Sample ID: 1204258-01B-MS	SampType: MS	TestCode: Dry8270_Soil	Units: µg/Kg-dry
Client ID: ZZZZZZ	Batch ID: 35624	Prep Date: 5/1/2012	RunNo: 63221
		Analysis Date: 5/2/2012	SeqNo: 888682
			TestNo: SW8270D
			SW3550C

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzo(b)fluoranthene	1200	260	1042	320.9	79.9	24	132				
Benzo(g,h,i)perylene	500	260	1042	161.0	32.3	27	131				
Benzo(k)fluoranthene	970	260	1042	258.1	68.6	25	135				
Benzyl alcohol	790	260	1042	0	75.7	20	130				
Bis(2-chloroethoxy)methane	850	260	1042	0	81.2	23	133				
Bis(2-chloroethyl)ether	1000	260	1042	0	96.3	20	120				
Bis(2-chloroisopropyl)ether	1100	260	1042	0	102	32	120				
Bis(2-ethylhexyl)phthalate	1300	260	1042	0	128	28	144				
Butyl benzyl phthalate	1200	260	1042	0	114	28	142				
Carbazole	1100	260	1042	0	102	20	130				
Chrysene	960	260	1042	302.4	63.5	24	136				
Dibenzofuran	830	260	1042	26.85	77.2	20	130				
Diethyl phthalate	1100	260	1042	0	103	24	130				
Dimethyl phthalate	1100	260	1042	0	109	24	131				
Di-n-butyl phthalate	1200	260	1042	0	114	25	133				
Fluoranthene	1300	260	1042	654.6	58.7	22	122				
Fluorene	880	260	1042	27.69	81.8	22	124				
Hexachlorobenzene	1200	260	1042	0	117	25	132				
Hexachlorobutadiene	720	260	1042	0	69.2	23	123				
Hexachlorocyclopentadiene	380	260	1042	0	36.6	1	124				
Hexachloroethane	720	260	1042	0	69.0	3	111				
Indeno(1,2,3-c,d)pyrene	910	260	1042	135.9	74.1	26	140				
Isophorone	990	260	1042	0	95.0	23	127				
Naphthalene	850	260	1042	0	81.8	20	120				
Nitrobenzene	930	260	1042	0	89.7	17	117				
N-Nitrosodi-n-propylamine	940	260	1042	0	90.4	24	126				
N-Nitrosodiphenylamine	1200	260	1042	0	118	22	136				
Pentachlorophenol	940	260	1042	0	89.8	17	116				
Phenanthrene	1300	260	1042	513.5	77.0	18	126				
Phenol	680	260	1042	0	65.5	11	106				
Pyrene	1300	260	1042	609.4	66.8	20	137				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: Dry8270\_Soil**

Sample ID: 1204258-01B-MS    SampType: MS    TestCode: Dry8270\_Soil    Units: µg/Kg-dry    Prep Date: 5/1/2012    RunNo: 63221  
 Client ID: ZZZZZZ    Batch ID: 35624    TestNo: SW8270D    SW3550C    Analysis Date: 5/2/2012    SeqNo: 888682

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 2,4,6-Tribromophenol	2700		2084		130	21	119				S
Surr: 2-Fluorobiphenyl	1100		1042		107	21	117				
Surr: 2-Fluorophenol	960		2084		46.0	11	105				
Surr: 4-Terphenyl-d14	780		1042		75.0	21	132				
Surr: Nitrobenzene-d5	890		1042		85.3	18	116				
Surr: Phenol-d6	1200		2084		56.6	12	110				

Sample ID: 1204258-01B-MSD    SampType: MSD    TestCode: Dry8270\_Soil    Units: µg/Kg-dry    Prep Date: 5/1/2012    RunNo: 63221  
 Client ID: ZZZZZZ    Batch ID: 35624    TestNo: SW8270D    SW3550C    Analysis Date: 5/2/2012    SeqNo: 888683

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	680	260	1042	0	65.0	21	128	709.2	4.62	20	
1,2-Dichlorobenzene	810	260	1042	0	78.1	20	129	806.2	0.927	20	
1,3-Dichlorobenzene	790	260	1042	0	76.3	19	122	779.2	2.00	20	
1,4-Dichlorobenzene	820	260	1042	0	78.4	22	127	806.9	1.22	20	
2,4,5-Trichlorophenol	640	260	1042	0	61.7	23	129	780.3	19.2	20	
2,4,6-Trichlorophenol	710	260	1042	0	68.4	20	126	853.1	17.9	20	
2,4-Dichlorophenol	670	260	1042	0	64.4	18	125	708.9	5.42	20	
2,4-Dimethylphenol	810	260	1042	0	77.3	22	130	858.7	6.40	20	
2,4-Dinitrotoluene	670	260	1042	0	64.7	21	124	747.5	10.2	20	
2,6-Dinitrotoluene	880	260	1042	0	84.1	20	127	965.2	9.67	20	
2-Chloronaphthalene	1100	260	1042	0	102	22	128	1062	0.158	20	
2-Chlorophenol	810	260	1042	0	77.9	18	117	817.2	0.579	20	
2-Methylnaphthalene	710	260	1042	0	67.7	20	120	699.3	0.879	20	
2-Methylphenol	720	260	1042	0	68.9	20	120	756.7	5.21	20	
2-Nitroaniline	790	260	1042	0	76.0	20	120	977.2	20.9	20	R
2-Nitrophenol	820	260	1042	0	78.5	15	121	909.0	10.5	20	
3+4-Methylphenol	680	260	1042	0	65.0	25	137	745.2	9.48	20	
3-Nitroaniline	920	260	1042	0	88.5	20	120	1045	12.4	20	
4-Bromophenyl phenyl ether	930	260	1042	0	88.7	27	135	1007	8.44	20	
4-Chloro-3-methylphenol	480	260	1042	0	46.4	20	130	578.6	17.9	20	

**Qualifiers:** B Analyte detected in the associated Method Blank    H Holding times for preparation or analy  
 J Analyte detected below quantitation limits    P >40% diff for detected conc between the two GC column    PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits    S Spike Recovery outside accepted recovery limits    U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234

**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** Dry8270\_Soil

Sample ID: 1204258-01B-MSD	SampType: MSD	TestCode: Dry8270_Soil	Units: µg/Kg-dry	Prep Date: 5/1/2012	RunNo: 63221						
Client ID: ZZZZZZ	Batch ID: 35624	TestNo: SW8270D	SW3550C	Analysis Date: 5/2/2012	SeqNo: 888683						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4-Chloroaniline	470	260	1042	0	45.0	15	103	554.9	16.7	20	
4-Chlorophenyl phenyl ether	660	260	1042	0	63.3	35	125	753.4	13.2	20	
4-Nitroaniline	330	260	1042	0	32.1	20	120	674.6	67.3	20	R
4-Nitrophenol	280	260	1042	0	26.8	22	141	626.5	76.6	20	R
Acenaphthene	970	260	1042	0	93.5	24	132	974.8	0.0289	20	
Acenaphthylene	900	260	1042	0	86.7	22	134	1053	15.3	20	
Aniline	510	260	1042	0	48.8	22	92	547.2	7.37	20	
Anthracene	1100	260	1042	494.0	54.8	23	139	1065	0.0380	20	
Azobenzene	890	260	1042	0	85.1	5	110	980.6	10.0	20	
Benzo(a)anthracene	1300	260	1042	274.1	102	24	134	1082	20.8	20	R
Benzo(a)pyrene	1200	260	1042	264.0	94.2	23	136	1080	14.2	20	
Benzo(b)fluoranthene	1400	260	1042	320.9	105	24	132	1153	20.3	20	R
Benzo(g,h,i)perylene	630	260	1042	161.0	44.6	27	131	497.1	22.9	20	R
Benzo(k)fluoranthene	1100	260	1042	258.1	79.2	25	135	972.9	10.8	20	
Benzyl alcohol	750	260	1042	0	71.8	20	130	788.6	5.21	20	
Bis(2-chloroethoxy)methane	840	260	1042	0	80.8	23	133	846.5	0.539	20	
Bis(2-chloroethyl)ether	980	260	1042	0	94.4	20	120	1004	1.95	20	
Bis(2-chloroisopropyl)ether	1000	260	1042	0	97.6	32	120	1062	4.27	20	
Bis(2-ethylhexyl)phthalate	1400	260	1042	0	131	28	144	1329	2.45	20	
Butyl benzyl phthalate	1200	260	1042	0	115	28	142	1190	0.621	20	
Carbazole	970	260	1042	0	93.2	20	130	1066	9.23	20	
Chrysene	1200	260	1042	302.4	89.2	24	136	964.0	24.4	20	R
Dibenzofuran	880	260	1042	26.85	82.0	20	130	830.7	5.98	20	
Diethyl phthalate	910	260	1042	0	87.6	24	130	1076	16.4	20	
Dimethyl phthalate	1100	260	1042	0	101	24	131	1141	7.88	20	
Di-n-butyl phthalate	1100	260	1042	0	107	25	133	1185	5.71	20	
Fluoranthene	2100	260	1042	654.6	138	22	122	1266	49.0	20	SR
Fluorene	820	260	1042	27.69	76.3	22	124	879.6	6.69	20	
Hexachlorobenzene	1200	260	1042	0	119	25	132	1216	2.06	20	
Hexachlorobutadiene	620	260	1042	0	59.7	23	123	720.6	14.6	20	
Hexachlorocyclopentadiene	340	260	1042	0	32.8	1	124	381.8	11.1	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

TestCode: Dry8270\_Soil

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

Sample ID: 1204258-01B-MSD	SampType: MSD	TestCode: Dry8270_Soil	Units: µg/Kg-dry	Prep Date: 5/1/2012	RunNo: 63221						
Client ID: ZZZZZZ	Batch ID: 35624	TestNo: SW8270D	SW3550C	Analysis Date: 5/2/2012	SeqNo: 888683						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Hexachloroethane	760	260	1042	0	72.6	3	111	719.2	5.14	20	
Indeno(1,2,3-c,d)pyrene	1000	260	1042	135.9	83.4	26	140	908.0	10.2	20	
Isophorone	990	260	1042	0	95.0	23	127	989.5	0.109	20	
Naphthalene	870	260	1042	0	83.6	20	120	852.4	2.21	20	
Nitrobenzene	960	260	1042	0	91.8	17	117	934.7	2.30	20	
N-Nitrosodi-n-propylamine	920	260	1042	0	88.2	24	126	941.6	2.40	20	
N-Nitrosodiphenylamine	1100	260	1042	0	107	22	136	1234	10.1	20	
Pentachlorophenol	940	260	1042	0	90.2	17	116	935.8	0.457	20	
Phenanthrene	2200	260	1042	513.5	159	18	126	1316	49.0	20	SR
Phenol	600	260	1042	0	57.2	11	106	682.3	13.4	20	
Pyrene	2000	260	1042	609.4	131	20	137	1306	41.0	20	R
Surr: 2,4,6-Tribromophenol	2400		2085		117	21	119		0	0	
Surr: 2-Fluorobiphenyl	1100		1042		104	21	117		0	0	
Surr: 2-Fluorophenol	880		2085		42.1	11	105		0	0	
Surr: 4-Terphenyl-d14	730		1042		70.3	21	132		0	0	
Surr: Nitrobenzene-d5	930		1042		89.5	18	116		0	0	
Surr: Phenol-d6	1100		2085		50.4	12	110		0	0	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY  
**TestCode:** DryFull8260\_Soil

Sample ID: 1204234-05AMS	SampType: MS	TestCode: DryFull8260_	Units: µg/Kg-dry	Prep Date:	RunNo: 63194						
Client ID: B-9 (0-2ft)	Batch ID: R63194	TestNo: SW8260C		Analysis Date: 4/27/2012	SeqNo: 887725						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	35	5.8	58.32	0	60.2	26	108				
1,1,2,2-Tetrachloroethane	39	5.8	58.32	0	66.3	18	109				
1,1,2-Trichloroethane	26	5.8	58.32	0	44.3	21	105				
1,1-Dichloroethane	33	5.8	58.32	0	56.5	28	108				
1,1-Dichloroethene	33	5.8	58.32	0	56.7	24	110				
1,2-Dichlorobenzene	21	5.8	58.32	0	36.2	18	108				
1,2-Dichloroethane	24	5.8	58.32	0	40.4	21	105				
1,2-Dichloropropane	34	5.8	58.32	0	57.8	29	107				
1,3-Dichlorobenzene	21	5.8	58.32	0	36.6	20	115				
1,4-Dichlorobenzene	19	5.8	58.32	0	33.2	21	117				
2-Chloroethyl vinyl ether	17	5.8	58.32	0	29.3	18	113				
Benzene	30	5.8	58.32	0	51.7	30	103				
Bromodichloromethane	30	5.8	58.32	0	51.2	22	106				
Bromoform	34	5.8	58.32	0	58.6	20	113				
Bromomethane	34	5.8	58.32	0	57.7	20	109				
Carbon tetrachloride	34	5.8	58.32	0	58.5	23	111				
Chlorobenzene	29	5.8	58.32	0	50.5	27	117				
Chloroethane	41	5.8	58.32	0	69.9	30	130				C
Chloroform	32	5.8	58.32	0	54.7	24	112				
Chloromethane	34	5.8	58.32	0	58.9	21	110				
cis-1,3-Dichloropropene	22	5.8	58.32	0	38.4	20	104				
Dibromochloromethane	25	5.8	58.32	0	42.1	22	104				
Ethylbenzene	33	5.8	58.32	0	56.8	30	115				
Methylene chloride	36	5.8	58.32	10.27	44.6	22	104				B
Tetrachloroethene	30	5.8	58.32	0	52.0	20	103				
Toluene	29	5.8	58.32	0	50.3	20	115				
trans-1,2-Dichloroethene	26	5.8	58.32	0	45.2	23	107				
trans-1,3-Dichloropropene	17	5.8	58.32	0	29.1	20	105				
Trichloroethene	32	5.8	58.32	0	54.3	22	138				
Trichlorofluoromethane	61	5.8	58.32	0	104	22	131				C
Vinyl chloride	39	5.8	58.32	0	67.2	25	107				

**Qualifiers:** B Analyte detected in the associated Method Blank  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 H Holding times for preparation or analyte  
 J Analyte detected below quantitation limits  
 P >40% diff for detected conc between the two GC column  
 PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits  
 S Spike Recovery outside accepted recovery limits  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**TestCode:** DryFull8260\_Soil

Sample ID: 1204234-05AMS	SampType: MS	TestCode: DryFull8260_	Units: µg/Kg-dry
Client ID: B-9 (0-2ft)	Batch ID: R63194	Analysis Date: 4/27/2012	Prep Date:
		TestNo: SW8260C	RunNo: 63194
			SeqNo: 887725

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	49		58.32		83.5	42	133				
Surr: Dibromofluoromethane	50		58.32		85.1	50	133				
Surr: Toluene-d8	54		58.32		92.0	53	130				

Sample ID: 1204234-05AMSD	SampType: MSD	TestCode: DryFull8260_	Units: µg/Kg-dry
Client ID: B-9 (0-2ft)	Batch ID: R63194	Analysis Date: 4/27/2012	Prep Date:
		TestNo: SW8260C	RunNo: 63194
			SeqNo: 887726

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	33	5.8	58.32	0	56.1	26	108	35.12	7.12	20	
1,1,2,2-Tetrachloroethane	36	5.8	58.32	0	61.2	18	109	38.64	7.97	20	
1,1,2-Trichloroethane	25	5.8	58.32	0	42.6	21	105	25.84	3.96	20	
1,1-Dichloroethane	29	5.8	58.32	0	50.4	28	108	32.93	11.4	20	
1,1-Dichloroethene	31	5.8	58.32	0	52.4	24	110	33.08	7.84	20	
1,2-Dichlorobenzene	20	5.8	58.32	0	34.1	18	108	21.09	5.75	20	
1,2-Dichloroethane	23	5.8	58.32	0	39.1	21	105	23.54	3.07	20	
1,2-Dichloropropane	32	5.8	58.32	0	54.4	29	107	33.73	6.17	20	
1,3-Dichlorobenzene	21	5.8	58.32	0	35.6	20	115	21.36	2.71	20	
1,4-Dichlorobenzene	20	5.8	58.32	0	33.5	21	117	19.36	1.02	20	
2-Chloroethyl vinyl ether	18	5.8	58.32	0	31.1	18	113	17.11	5.76	20	
Benzene	27	5.8	58.32	0	46.3	30	103	30.15	11.1	20	
Bromodichloromethane	28	5.8	58.32	0	48.5	22	106	29.84	5.42	20	
Bromoform	33	5.8	58.32	0	57.3	20	113	34.19	2.24	20	
Bromomethane	28	5.8	58.32	0	48.1	20	109	33.68	18.2	20	
Carbon tetrachloride	32	5.8	58.32	0	54.6	23	111	34.12	6.82	20	
Chlorobenzene	28	5.8	58.32	0	47.7	27	117	29.45	5.62	20	
Chloroethane	33	5.8	58.32	0	56.0	30	130	40.79	22.2	20	RC
Chloroform	29	5.8	58.32	0	50.2	24	112	31.88	8.55	20	
Chloromethane	33	5.8	58.32	0	56.0	21	110	34.34	4.98	20	
cis-1,3-Dichloropropene	22	5.8	58.32	0	37.1	20	104	22.40	3.39	20	
Dibromochloromethane	25	5.8	58.32	0	42.1	22	104	24.53	0.190	20	
Ethylbenzene	30	5.8	58.32	0	51.8	30	115	33.12	9.25	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed

# ANALYTICAL QC SUMMARY REPORT

TestCode: DryFull8260\_Soil

CLIENT: CA Rich Consultants Inc.  
 Work Order: 1204234  
 Project: 538 Union Avenue, Brooklyn, NY

Sample ID: 1204234-05AMSD	SampType: MSD	TestCode: DryFull8260_	Units: µg/Kg-dry	Prep Date:	RunNo: 63194	Analysis Date: 4/27/2012		RPDLimit	Qual		
						Client ID: B-9 (0-2ft)	Batch ID: R63194			%RPD	SeqNo: 887726
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD		
Methylene chloride	33	5.8	58.32	10.27	38.3	22	104	36.31	10.7	20	B
Tetrachloroethene	28	5.8	58.32	0	47.9	20	103	30.32	8.13	20	
Toluene	28	5.8	58.32	0	48.2	20	115	29.36	4.38	20	
trans-1,2-Dichloroethene	24	5.8	58.32	0	41.2	23	107	26.39	9.40	20	
trans-1,3-Dichloropropene	17	5.8	58.32	0	29.0	20	105	16.98	0.551	20	
Trichloroethene	30	5.8	58.32	0	51.2	22	138	31.69	5.95	20	
Trichlorofluoromethane	54	5.8	58.32	0	92.0	22	131	60.52	12.0	20	C
Vinyl chloride	35	5.8	58.32	0	60.2	25	107	39.22	11.0	20	
Surr: 4-Bromofluorobenzene	47		58.32		80.7	42	133		0	0	
Surr: Dibromofluoromethane	50		58.32		85.0	50	133		0	0	
Surr: Toluene-d8	55		58.32		95.0	53	130		0	0	

**Qualifiers:**

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- P >40% diff for detected conc between the two GC column
- S Spike Recovery outside accepted recovery limits
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**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

**ANALYTICAL QC SUMMARY REPORT**

**TestCode: DRYHG\_S**

Sample ID: 1204241-03B-MS	SampType: MS	TestCode: DRYHG_S	Units: mg/Kg-dry	Prep Date: 5/1/2012	RunNo: 63213						
Client ID: ZZZZZZ	Batch ID: 35654	TestNo: SW7471B	SW7471B	Analysis Date: 5/1/2012	SeqNo: 888524						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.259	0.0111	0.2211	0	117	80	120				

Sample ID: 1204241-03B-MSD	SampType: MSD	TestCode: DRYHG_S	Units: mg/Kg-dry	Prep Date: 5/1/2012	RunNo: 63213						
Client ID: ZZZZZZ	Batch ID: 35654	TestNo: SW7471B	SW7471B	Analysis Date: 5/1/2012	SeqNo: 888525						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.250	0.0111	0.2211	0	113	80	120				

**Qualifiers:** B Analyte detected in the associated Method Blank C Calibration %RSD/%D exceeded for non-CCC analytes H Holding times for preparation or anal  
 J Analyte detected below quantitation limits P >40% diff for detected conc between the two GC column PQL Practical Quantitation Limit  
 R RPD outside accepted recovery limits S Spike Recovery outside accepted recovery limits U Indicates the compound was analyzed

**CLIENT:** CA Rich Consultants Inc.  
**Work Order:** 1204234  
**Project:** 538 Union Avenue, Brooklyn, NY

# ANALYTICAL QC SUMMARY REPORT

TestCode: HG\_D

Sample ID	1204234-11F-MS	SampType: MS	TestCode: HG_D	Units: mg/L	Prep Date:	RunNo: 63238						
Client ID	GW-6	Batch ID: 35571	TestNo: E245.1	SW3005A	Analysis Date: 5/3/2012	SeqNo: 889205						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00402	0.000200	0.004000	0	101	64.75	124				
Sample ID	1204234-11F-MSD	SampType: MSD	TestCode: HG_D	Units: mg/L	Prep Date:	RunNo: 63238						
Client ID	GW-6	Batch ID: 35571	TestNo: E245.1	SW3005A	Analysis Date: 5/3/2012	SeqNo: 889206						
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury		0.00469	0.000200	0.004000	0	117	75	124	0.004020	15.4	20	

**Qualifiers:** B Analyte detected in the associated Method Blank  
 J Analyte detected below quantitation limits  
 R RPD outside accepted recovery limits  
 C Calibration %RSD/%D exceeded for non-CCC analytes  
 P >40% diff for detected conc between the two GC column  
 S Spike Recovery outside accepted recovery limits  
 H Holding times for preparation or analy  
 PQL Practical Quantitation Limit  
 U Indicates the compound was analyzed