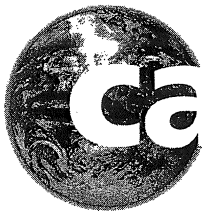

Brownfield Cleanup Program
Interim Remedial Measures (IRM) Work Plan
"CLUB EAST"
421-433 E. 13th St. & 420 E. 14th St., New York, NY 10009

June 2005

Prepared for:

13TH AND 14TH STREET REALTY, LLC
P.O. Box 1073
New York, NY 10276

Prepared by:

CA RICH CONSULTANTS, INC.
17 Dupont Street
Plainview, NY 11803
(516) 576-8844

CA RICH
ENVIRONMENTAL SPECIALISTS

June 28, 2005

New York State Department of
Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-7020

Attention: Kelly Lewandowski
Chief, Site Control Section

Re: **Brownfield Cleanup Program**
Interim Remedial Measures Work Plan
"Club East"
421-433 E. 13th St. & 420 E. 14th St.
New York, New York

Dear Ms. Lewandowski:

Attached is a Interim Remedial Measures (IRM) Work Plan for the above-referenced project. As per our telephone call with Mr. Robert Cozzy, we are submitting this document to the NYSDEC along with the BCP Application and a Remedial Investigation (RI) Work Plan for review and acceptance into the Brownfield Cleanup Program. As requested, complete copies of the BCP Application, this IRM Work Plan and the RI Work Plan have been sent to the addressees named below and we have included a digital CD of the same for your convenience.

We look forward to moving ahead with the necessary remedial investigation activities under the Brownfield Program. If you have questions or need any additional detail regarding the RI Work Plan or the BCP Application, please do not hesitate to call us, immediately.

Respectfully submitted,

CA RICH CONSULTANTS, INC.

Stephen Malinowski
Project Manager

Reviewed by:

Charles A. Rich, President
Attachments

Stephen J. Osmundsen, P.E.
Project Engineer

cc: Robert Cozzy, - NYSDEC Albany (4 copies)
Robert Kaliner, 13th and 14th Street Realty, LLC.
Jeff Laccetti - NYSDOH
Rosalie Rusinko, Esq. – NYSDEC
Lawrence P. Schnapf, Esq.
Daniel C. Walsh Ph.D.

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FIGURES

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INTERIM REMEDIAL MEASURES WORK PLAN
For "Club East"
13TH & 14TH STREET REALTY, LLC
421-433 East 13th St. & 420 East 14th St., New York, NY 10009

June 2005

1.0 INTRODUCTION

The following Interim Remedial Measures Work Plan was prepared by CA RICH Consultants, Inc. (CA RICH) of Plainview, NY on behalf of 13th & 14th Street Realty, LLC (also called "Club East", or the "Site" or "Property"), the prospective purchaser Contract Vendee, and Brownfield Volunteer relative to a planned residential redevelopment and improvement of 421-433 East 13th St. and 420 East 14th St. in Manhattan.

This Interim Remedial Measures (IRM) Work Plan is prepared to address known subsurface soil and groundwater contamination during the requisite site-wide excavation required for the new building's foundation. For purposes of this cleanup, the environmental contaminant of concern is the chlorinated volatile organic compound Perchloroethene (a.k.a. PCE or tetrachloroethene) and its degradation byproducts in soil and uppermost groundwater on-site. This volatile organic compound (VOC) is a residual contaminant considered allegedly attributable to discharges from a former dry cleaning operation at 427 East 13th St.

Since time is of the essence, this IRM Work Plan is purposely prepared at this early juncture to apprise both NYSDEC and NYSDOH of the Applicant's desire to integrate the requisite upcoming remediation of the subject Property with the redevelopment plan. In so doing, it is hoped that Agency review of the eligibility of this Site for the BCP and this IRM Work Plan is approved to speed the Property redevelopment in accordance with all applicable regulatory compliance requirements. This IRM Work Plan is designed to accompany the attendant separate Remedial Investigation Work Plan that we have also included with the BCP Application.

A summary of Site conditions is that subsurface soil and uppermost groundwater quality underlying this Property are impacted with perchloroethylene (PCE) contamination. Specifically, the "Rear Yard" behind the former dry cleaner appears to be the source of the Site contamination. The "Rear Yard" is located at basement level approximately 10-feet below street grade and only three to four feet above the shallow groundwater interface. The soil contamination is mainly in the vicinity of the "Rear Yard", although PCE was detected at lower levels at specific locations elsewhere on the Site. The depth to groundwater is approximately 13-14 feet below street grade. The horizontal direction of groundwater flow is assumed eastward or southeastward at this time with eventual groundwater discharge into the East River. The distance from the site to the East River is about 2,500 feet.

Previous Phase I assessments and subsequent follow-on Phase II Investigations have been performed at this Site for environmental due diligence purposes. As the results for the Phase II testing (conducted by others) became known, a Spill was reported to the NYSDEC on April 27, 2005 (NYSDEC Spill #0501135). The reported Spill was subsequently Closed-out on May 3, 2005 because it was not associated with a petroleum discharge. According to the NYSDEC, this inactive Spill Case has been moved from NYSDEC's Spills Group to the Division of Hazardous Waste and is awaiting possible reassignment. The following list identifies earlier studies and copies of these reports are included as Attachment 3 of the BCP Application.

Investigation	Date
Phase I ESA, AIRTEK	March 2004
Phase II Investigation, SOIL MECHANICS	January 2005
Phase II Investigation, ENVIRO BUSINESS, INC.	April 2005
Soil Waste Characterization & Groundwater testing, CA RICH	June 2005

2.0 PHYSICAL SITE CHARACTERISTICS

2.1 Site History/Description

The Site is located at 421-433 East 13th Street and 420 East 14th Street situated along the north side of E. 13th and the south side of E. 14th Streets between First Avenue to the west and Avenue A to the east. The neighborhood is referred to as the East Village in lower Manhattan. This area is now a rapidly-evolving commercial and residential neighborhood with the relatively large residential apartment complex known as Stuyvesant Town situated directly north.

The property consists of approximately 16,827 square feet of land occupied by adjoining one-story, two-story and three-story buildings. Legally, the site is designated as Block 441, Lots 17 (421-429 E. 13th St. & 420 E. 14th St.), 45 (433 E. 13th St.) and 46 (431 E. 13th St.) and is situated within C1-6A, Commercial (Local Retail) District. The Site buildings are currently occupied by East Side Lumber, Personal Touch Valet, LaChapelle Photo Studio, White Express Cleaning and a vacant grocery store. A Lease Termination Notice was sent to all tenants by the current Property Owner requesting that they vacate the premises by June 30, 2005

The existing buildings comprise most of the Property and were built between 1903 and 1920. Previous occupants include a church, wagon builder, and a dry cleaning facility. The 1944 through 1996 Sanborn Maps show that the 431-433 13th Street part of the site (easternmost) was occupied by the New York City Department of Sanitation with wood and oil storage. The building located at 427 E13th Street (in the middle of the property) was utilized as a dry cleaning facility. The dry cleaning equipment was located on the first floor and the full basement was utilized for storage purposes. The cleaner had a self-contained laundry machine which used PCE and historically stored drums of waste PCE in the "Rear Yard". A Site Plan is included as Figure 1.

2.2 Surrounding Land Use

To the east is a one-story U.S. Post Office distribution facility, which has been shown on the Sanborn maps since 1950. To the west is the Immaculate Conception School and Church also shown on the maps since 1985. Abutting the rear of the Site to the north on E. 14th St. are four-story residential apartment buildings, with retail stores at street level. Also to the north, across E. 14th St. is a one-story grocery store – "Associated Supermarket". The surrounding area land use is predominantly mixed residential, commercial and retail. The most common types of nearby buildings are four to six-story residential apartment buildings, some of which have retail space at street level.

2.3 Hydrogeologic Setting

According to the USGS 7.5 Minute Series Topographic Map of Brooklyn, NY Quadrangle, dated 1995, the Site elevation is approximately 10-15 feet above mean sea level. The geology in the area of the Site, as obtained from the City of New York Department of General Services, Subsurface Exploration Section (see Phase I Report) consists of unconsolidated clay, sand and gravel. The underlying buried bedrock is Manhattan Schist.

Based on the relatively flat topography, the general horizontal regional direction of groundwater flow can be inferred to be east-southeast toward the East River. Actual groundwater flow direction can only be determined by measurement and analysis of well water levels from properly surveyed monitoring wells. Groundwater is not utilized as a potable water resource in this area or its environs.

2.4 Evaluation of Previous Soil & Groundwater Investigations

In connection with prospective purchasing interests by others, several environmental due diligence studies have been undertaken on the subject Property. These have included Phase I Environmental Site Assessments and follow-on Phase II Investigations. Copies of selected documentation are include as attachment 3 of the BCP Application. Specifically, two Phase II Investigations were conducted in 2005. These are identified as a Phase II by Soil Mechanics dated January 10, 2005 and a subsequent more detailed Phase II Investigation by EnviroBusiness Inc. (EBI) dated April 27, 2005.

During the Soil Mechanics and EBI Phase II studies a total of 15 soil and 12 shallow groundwater quality samples were collected for chemical analyses utilizing a remote access Geoprobe unit or hand tools in the rear exterior of the Property and throughout the multi-level interior of the presently-occupied tenant spaces. To summarize, the testing of both the soil and uppermost groundwater identified the presence of PCE and its chemical breakdown byproducts at concentration levels above applicable regulatory guidelines. According to the EBI Phase II, which was primarily involved with exploratory soil test borings and soil sampling site-wide, the shallow soil behind the former dry cleaner tenant space (427 E. 13th St.) was found to contain elevated levels of PCE above NYSDEC TAGM 4046.

The PCE concentrations in soil underlying the Site as tested in the EBI study in April ranged in concentration from 52 parts per billion (ppb) up to 6,920 ppb. Groundwater occurs at 13-15 feet below street grade and the groundwater samples that were collected with these soil samples ranged in PCE concentration from non-detected up to as much as 12,600 ppb (12.6 ppm). It was concluded that the PCE soil contamination was attributable to the former dry cleaning operations and a spill was reported to the NYSDEC (NYSDEC Spill #0501135). The reported Spill was subsequently Closed-out on May 3, 2005 because it was not associated with a petroleum discharge. According to the NYSDEC, this inactive Spill Case has been moved from NYSDEC's Spills Group to the Division of Hazardous Waste and is awaiting possible reassignment.

Based upon the earlier documented information, during the week of June 5, 2005, CA RICH on behalf of the interests of the Applicant, mobilized a Geoprobe test drilling rig to further investigate, confirm, and expand the Phase II test data collected earlier by EBI and Soil Mechanics. The primary purpose of this additional soil testing work was to test impacted soil on-site for Waste Characterization disposal-related characteristics in order to determine how the soil will be handled with respect to the planned full-scale soil excavation for the new building foundation. It includes soil removal and regulated off-site transport & disposal of these materials as either hazardous or non-hazardous soil. The test results were forwarded to several qualified disposal facilities and Waste Brokers for review and potential acceptance. A copy of the composite soil sample test results and additional VOC tests results are included in Appendix A.

The PCE concentrations in the soil underlying the Site tested recently (June '05) by CA RICH ranged from non-detect to only 170 ppb, much lower than the EBI results. Based on our review of these newer results and the boring logs included in EBI's Report it appears that the most elevated samples may have been collected from soil below the groundwater interface. The results of recent groundwater tests collected from 1-inch diameter micro-wells installed on the Property indicate that the presumed upgradient location (MCW-3) does not contain PCE. However, the shallow groundwater beneath the "Rear Yard" (MCW-1) contains 4,100 ppb of PCE and the presumed downgradient location (to the east-southeast) contains 42 ppb of PCE. The results for a deeper sample collected from 12-17 feet below street level in the "Rear Yard" indicate that the levels of PCE drop to 140 ppb. The NYSDEC groundwater standard for PCE is 5 ppb. A test boring location map with associated 'box plot' PCE concentrations is presented in Figures 2 and 3. The associated lab reports are included as Appendix B.

3.0 INTERIM REMEDIAL MEASURES (IRM) APPROACH

3.1 General

3.1.1 Soil

The goal of the Interim Remedial Measure outlined in this Plan is to expediently and completely remove any and all VOC-impacted soils as a continuing source(s) of potential contamination on this Site. Source removal will best be accomplished by excavation, transport and off-site disposal of contaminated soils to a regulated waste disposal facility.

It is the intention of the Brownfield Applicant to excavate all on-site earth materials down to at least the 15-foot depth below street grade in order to prepare the Site for the construction for the new building's foundation. At the present time, it is not decided whether the depth of the necessary excavation activities will be to depths necessary to facilitate a one or two-story parking garage beneath the building. Given a single-level basement building construction design, a relatively shallow excavation of the entire site down to at least a 15-foot depth, or perhaps slightly deeper, pending soil conditions will be necessary. Alternatively, if a deeper two-level building basement is preferred (if determined feasible from geotechnical Site data), then the soil excavation of the entire site will be advanced down to at least the deeper thirty (30') foot depth horizon. This second approach, designed to facilitate the installation of a two-level parking garage below street grade, will necessitate shoring, sheathing, dewatering, and increased excavated soil/water volumes that may or may not be considered "hazardous" for on-site handling and off-site waste disposal purposes. A rendering of the proposed schematic profiling the one-level parking garage in included as Appendix C.

At this time, as previously stated, the construction-related excavation is planned to advance to either only a 15-foot depth (just into the water table) or a 30-foot depth (well beneath the water table). The lateral extent of the excavation in either case will be to the two sidewalks to the north and south, and the adjoining property lines to the east and west. Soil samples will be collected from the sidewalls of the excavation above the water table to document the removal of the contaminated soil.

The soil samples will be delivered to an ELAP-approved laboratory and analyzed for halogenated VOCs using USEPA Method 8260 and NYSDEC ASP Category B deliverables. During this initial round of sampling the following samples will be collected for QA/AC purposes in accordance with the attached Quality Assurance Project Plan (QAPP Appendix): 1 trip blank, 1 field blank, 1 duplicate sample, 1 matrix spike and 1 matrix spike duplicate. The soil laboratory data will be reviewed by a qualified Data Validator and a Data Usability Summary Report (DUSR) will be prepared.

The excavation area may be as much as approximately 16,827 square feet in size. This impacted soil will then be excavated first, by bucket auger or track hoe, staged on-site, and removed, so as not to have it "mixed-in" with non-hazardous soils elsewhere on-site – to avoid the potential for additional volumes of earth materials being handled as "hazardous waste". Thus, a 15-foot depth is equivalent to a general excavation volume (excluding demolition-related floors and piping, etc., C&D materials relative to the existing buildings and taking into consideration the basements of 421 and 427 E. 13th Street) of approximately 129,805 cubic feet equivalent to 4,807 yards or about 7,000 tons of waste material. For the purposes of waste handling, it is assumed on extremely conservative worst-case cost basis that as much as half of this material (about 3,500 tons) may need to be handled as a characteristic "hazardous waste". And in actuality, it is anticipated that a smaller volume of heavily-impacted earth materials will actually need to be handled in this fashion (the lower volume of impacted soil occurring in the vicinity of the "Rear Yard" area).

Likewise, similar precautions will need to be taken in the event of an excavation advancing down to the 30-foot depth. Here, impacted groundwater will need to be dewatered and it is anticipated that it will become important to segregate impacted uppermost groundwater from coming into contact with deeper excavated soils to minimize the amount of 'wet' materials that will need to be handled as a "hazardous waste". The feasibility and suitability of such an interim remedy for the deeper excavation will be considered after geotechnical data is obtained and construction-related costs are fully evaluated. At the completion an Interim Remedial Measures Report outlining the details of the proposed interim cleanup program will be prepared and submitted to NYSDEC for its review and approval.

3.1.2 Soil Vapor

At the present time, the presence or absence of significant levels of chlorinated volatile organic compound residuals in on-site soil vapor is not known. The accompanying Investigation Work Plan includes the collection and chemical analysis of at least two separately located sub-sidewalk soil vapor samples utilizing standard soil gas sampling protocol and procedures as outlined in accordance the New York State Department of Health "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (public comment draft dated February 2005).

Given the planned removal of all impacted soils on-site (down into water table depth), the potential presence of residual subslab soil vapor attributable to impacted soil contaminants occurring within the unsaturated vadose zone (above the water table) on-site that may exist at the present time - will become moot since no impacted soil (generating the soil vapor) above the water table will remain on-site. There may be some minor off-gassing of residual VOCs dissolved in underlying uppermost groundwater and installation of a vapor barrier beneath the new building's foundation shall be incorporated into the redevelopment plans to prevent any potential future on-site soil vapor from entering the parking garage(s). At the present time, one of the alternative vapor barrier conceptual designs being considered at this site will be a "Liquid Boot" or suitable equivalent application since the Applicant has already had experience with this kind of vapor barrier elsewhere.

3.1.3 Groundwater

If the depth of the excavation required for the new building foundation necessitates the need for a dewatering system, the water pooling up in the foundation will be tested for VOCs. Based upon the test results, the volume of water, the anticipated flow-rates a suitable treatment system will be designed to treat the water prior to discharging it into the municipal sewer system. Before any dewatering activities are conducted the NYCDEP will be contacted to apply for a discharge permit. We plan on working with the NYCDEP to comply with any site-specific restrictions/conditions detailed in the permit application.

Based upon available data, PCE dissolved in groundwater is known to occur at elevated levels beneath the "Rear Yard" and eastern portion of the Site. However, an initial multi-depth vertical

profile of PCE concentrations in uppermost groundwater indicates that this contamination decreases relatively rapidly (an order of magnitude drop) with depth over the course of 10-foot depth interval. Additional groundwater testing is proposed in the accompanying Investigation Work Plan to better define the nature and extent of uppermost groundwater contamination and evaluate remedial alternatives.

3.2 Interim Remedial Action Report

Once the laboratory results are obtained, an Interim Remedial Action Report will be prepared. At a minimum, the Interim Remedial Action Report will include the following items:

- Description of Interim Remedial Measures implemented on-site;
- Results-oriented sample analytical summary tables (removal efficiencies);
- Soil volumes excavated from site, waste characterization, disposal, etc.;
- An off-site Qualitative Exposure Assessment (see Appendix D);
- Recommendations for further Remedial Measures, IC/EC's; and
- An ongoing Operations, Monitoring & Maintenance Plan (OM&M)

The Interim Remedial Action Report will document interim remedial measures and any necessary subsequent permanent remedial system design for the new building.

4.0 Health & Safety

A site-specific Health and Safety Plan (HASP) has been prepared for the field portion of the Remedial Investigation. The HASP will cover all activities in the 'investigation area', as well as emergency procedures and available emergency services in proximity to the Site. The HASP is included as Appendix E.

5.0 SCHEDULE

The following Schedule is provided for this Brownfield Project.

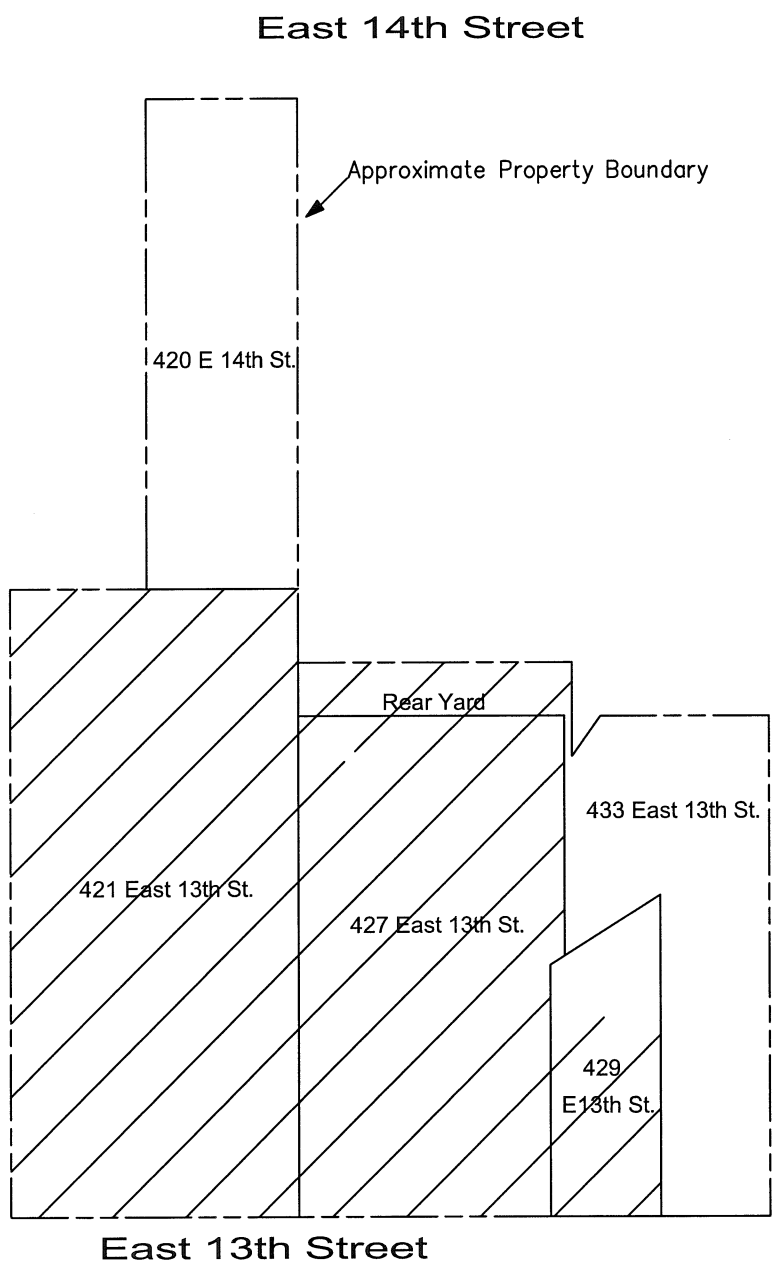
Plans	Schedule
BCP Application including:	
Submission of Investigation Work Plan Submission of Interim Remedial Measures Work Plan Citizen Participation (CP) Contact List	June 2005
NYSDEC Eligibility Determination & Execute BCP Agreement	August 2005

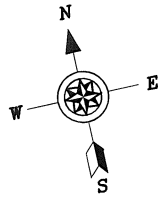
Interim Remedial Measure	30 days after DEC approval or
IRM Reporting	30-90 days after Soil Removal
Site Investigation Activities	
CP Plan Installation of monitoring wells and collection of subsurface soil and soil vapor samples	30 Days after DEC but not to conflict with IRM
Collection and analysis of groundwater samples	60 days after DEC approval
Report Preparation	
Preparation of Remedial Investigation Report & Qualitative Exposure Assessment Preparation of Alternatives Analysis & Interim Remedial Action Report EC/IC's and OM&M NYSDEC Remedy Selection & COC	180+ days after DEC approval

5.0 REFERENCES

1. Airtek March 1, 2004; Phase I Environmental Site Assessment of 421-433 East 13th Street and 420 East 14th Street, New York, New York 10009
2. Soil Mechanics, Phase II Investigation
3. Enviro Business, Inc., Phase II Investigation
4. H.T. Buxton, J. Soren, A. Posner and P. Shernoff, (1981), Reconnaissance of Ground-Water Resources of Kings and Queens Counties, NY, USGS Open File Report 81-1186.
5. NYSDEC, January 24, 1994, Department's Technical And Guidance Memorandum: Determination of Soil Cleanup Objectives and Cleanup Levels.
6. NYSDEC, October 22, 1993, Technical and Operational Guidance Series (1.1.1) Ambient Water Quality Standards and Guidance Values.

Figures





Legend

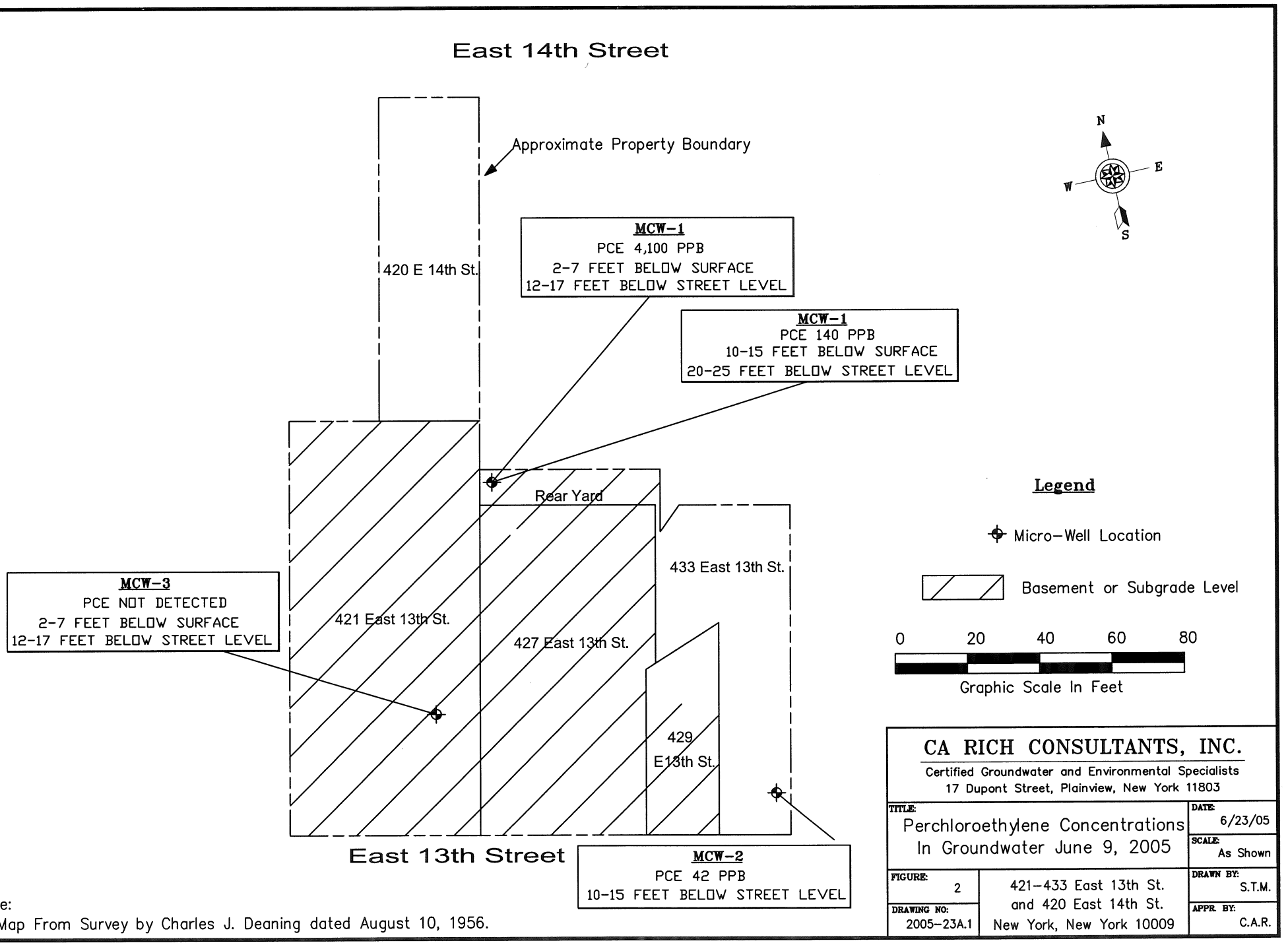
Basement or Subgrade Level

0 20 40 60 80

Graphic Scale In Feet

Note:
1) Map From Survey by Charles J. Deaning dated August 10, 1956.

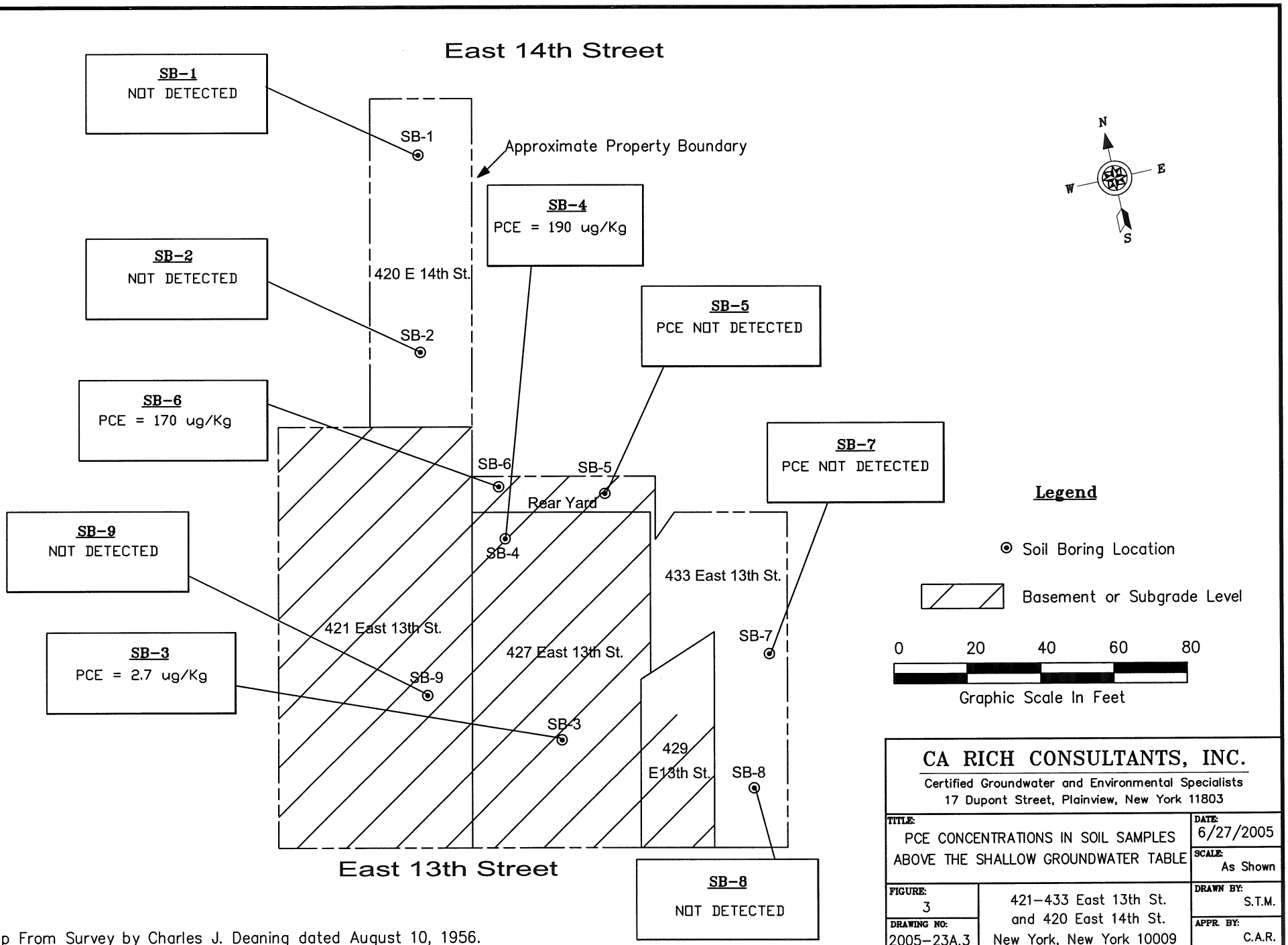
CA RICH CONSULTANTS, INC. Certified Groundwater and Environmental Specialists 17 Dupont Street, Plainview, New York 11803		
TITLE: SITE PLAN		DATE: 6/23/05 SCALE: As Shown
FIGURE: 1 DRAWING NO: 2005-23A.1	421-433 East 13th St. and 420 East 14th St. New York, New York 10009	DRAWN BY: S.T.M. APPR. BY: C.A.R.



Note:
1) Map From Survey by Charles J. Deaning dated August 10, 1956.

CA RICH CONSULTANTS, INC.
Certified Groundwater and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: Perchloroethylene Concentrations In Groundwater June 9, 2005	DATE: 6/23/05
	SCALE: As Shown
FIGURE: 2	DRAWN BY: S.T.M.
DRAWING NO: 2005-23A.1	421-433 East 13th St. and 420 East 14th St. New York, New York 10009
	APPR. BY: C.A.R.



Note:
1) Map From Survey by Charles J. Deaning dated August 10, 1956.

CA RICH CONSULTANTS, INC.
Certified Groundwater and Environmental Specialists
17 Dupont Street, Plainview, New York 11803

TITLE: PCE CONCENTRATIONS IN SOIL SAMPLES ABOVE THE SHALLOW GROUNDWATER TABLE	DATE: 6/27/2005
	SCALE: As Shown
FIGURE: 3	DRAWN BY: S.T.M.
DRAWING NO: 2005-23A.3	APPR. BY: C.A.R.

421-433 East 13th St.
and 420 East 14th St.
New York, New York 10009

Appendix A

Waste Characterization Soil Data
&
Additional Soil VOC Data

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Tuesday, June 21, 2005

Steve Malinowski
CA Rich Consultants Inc.
17 Dupont Street
Plainview, NY 11803

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

RE: 421 13th St. Manhattan, N.Y.

Order No.: 0506095

Dear Steve Malinowski:

American Analytical Laboratories, LLC. received 12 sample(s) on 6/9/2005 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 limits 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 you have any questions regarding these tests results, please do not hesitate to call (631) 454-6100 or email me directly at lbeyer@american-analytical.com.

Sincerely,

Lori Beyer
Lab Director

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT: CA Rich Consultants Inc.
Project: 421 13th St. Manhattan, N.Y.
Lab Order: 0506095

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0506095-01A	SB-1 [6'-9']	5550	6/8/2005 10:00:00 AM	6/9/2005
0506095-02A	SB-2 [6'-9']	5550	6/8/2005 11:30:00 AM	6/9/2005
0506095-03A	SB-3 [3'-6']	5550	6/8/2005 1:00:00 PM	6/9/2005
0506095-04A	SB-4 [0-3']	5550	6/8/2005 2:00:00 PM	6/9/2005
0506095-05A	SB-5 [0-3']	5550	6/8/2005 2:30:00 PM	6/9/2005
0506095-06A	SB-6 [0-3']	5550	6/8/2005 3:00:00 PM	6/9/2005
0506095-07A	SB-7 [9'-12']	5550	6/9/2005 9:00:00 AM	6/9/2005
0506095-08A	SB-8 [9'-12']	5550	6/9/2005 10:00:00 AM	6/9/2005
0506095-09A	SB-9 [0-3']	5550	6/9/2005 11:00:00 AM	6/9/2005
0506095-10A	Soil Composite 1, 2, 9	5550	6/9/2005	6/9/2005
0506095-10B	Soil Composite 1, 2, 9	5550	6/9/2005	6/9/2005
0506095-10C	Soil Composite 1, 2, 9	5550	6/9/2005	6/9/2005
0506095-11A	Soil Composite 3, 4, 5, 6	5550	6/8/2005	6/9/2005
0506095-11B	Soil Composite 3, 4, 5, 6	5550	6/8/2005	6/9/2005
0506095-11C	Soil Composite 3, 4, 5, 6	5550	6/8/2005	6/9/2005
0506095-12A	Soil Composite 7, 8	5550	6/9/2005	6/9/2005
0506095-12B	Soil Composite 7, 8	5550	6/9/2005	6/9/2005
0506095-12C	Soil Composite 7, 8	5550	6/9/2005	6/9/2005

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027

TAG # / COC 5550

NYSDOH 11418
CTDOH PH-0205
NJDEP NY050
PADEP 68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS
CA Consultants
17 Dupont Street
Plainview NY 11803

CONTACT: Steve Malonowski

SAMPLER (SIGNATURE): Jason T. Cooper

SAMPLER NAME (PRINT): Jason T. Cooper

SAMPLE(S) SEALED: YES / NO

CORRECT CONTAINER(S): YES / NO

PROJECT LOCATION:
421 13th Street, Manhattan NY

LABORATORY ID #	MATRIX	# CONTAINERS	SAMPLING DATE/ TIME	SAMPLE # - LOCATION	ANALYSIS REQUIRED: VOC's by 8260	Non-petroleum SHP Target List	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0506095-1A	Soil	1	6/8/05 / 1000	SB-1 (6-9')	X		
2A	Soil	1	6/8/05 / 1130	SB-2 (6-9')	X		
3A	Soil	1	6/8/05 / 1300	SB-3 (3-6)	X		
4A	Soil	1	6/8/05 / 1400	SB-4 (0-3')	X		
5A	Soil	1	6/8/05 / 1430	SB-5 (0-3')	X		
6A	Soil	1	6/8/05 / 1500	SB-6 (0-3')	X		
7A	Soil	1	6/9/05 0900	SB-7 (9-12')	X		
8A	Soil	1	6/9/05 / 1000	SB-8 (9-12)	X		
9A	Soil	1	6/9/05 / 1100	SB-9 (0-3')	X		
10ABC	Soil	2	6/8&9/05	Soil Composite 1,2,9		X X	
11ABC	Soil	2	6/8/05	Soil Composite 3,4,5,6		X X	
12ABC	Soil	2	6/9/05	Soil Composite 7,8		X X	

See attached list

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED:
NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME
Stephen Maliwoski	6/9/05 05:02	Stephen Maliwoski		06/09/05 5:02	J. GRAY
RELINQUISHED BY (SIGNATURE)	DATE / TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE / TIME	PRINTED NAME

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

AMERICAN ANALYTICAL LABORATORIES, LLC
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFIERS

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
H	Indicates sample was received and/or analyzed outside of The method allowable holding time

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-1 [6'-9']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 10:00:00 AM
Lab ID:	0506095-01A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	13.7	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,1,1-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,1,2,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,1,2-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,1-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,1-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,1-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2,3-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2,3-Trichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2,4,5-Tetramethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2,4-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2,4-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2-Dibromo-3-chloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2-Dibromoethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,3,5-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,3-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,3-dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
1,4-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
2,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
2-Butanone	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
2-Chloroethyl vinyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
2-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
2-Hexanone	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
4-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
4-Isopropyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
4-Methyl-2-pentanone	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Acetone	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Acrolein	U	29		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Acrylonitrile	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Benzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Bromobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Bromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-1 [6'-9']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 10:00:00 AM
Lab ID:	0506095-01A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Bromoform	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Bromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Carbon disulfide	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Carbon tetrachloride	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Chlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Chlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Chloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Chloroform	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Chloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
cis-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
cis-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Dibromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Dibromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Dichlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Diisopropyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Ethanol	U	29		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Ethyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Ethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Freon-114	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Hexachlorobutadiene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Isopropyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Isopropylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
m,p-Xylene	U	12		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Methyl tert-butyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Methylene chloride	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Naphthalene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
n-Butyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
n-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
n-Propyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
n-Propylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
o-Xylene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
p-Diethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
p-Ethyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
sec-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Styrene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
t-Butyl alcohol	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
tert-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Tetrachloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Toluene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
trans-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-1 [6'-9']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 10:00:00 AM
Lab ID:	0506095-01A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Trichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Trichlorofluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Vinyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM
Vinyl chloride	U	5.8		µg/Kg-dry	1	6/13/2005 5:53:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-2 [6'-9']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 11:30:00 AM
Lab ID:	0506095-02A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	14.3	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,1,1-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,1,2,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,1,2-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,1-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,1-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,1-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2,3-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2,3-Trichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2,4,5-Tetramethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2,4-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2,4-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2-Dibromo-3-chloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2-Dibromoethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,3,5-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,3-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,3-dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
1,4-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
2,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
2-Butanone	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
2-Chloroethyl vinyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
2-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
2-Hexanone	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
4-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
4-Isopropyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
4-Methyl-2-pentanone	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Acetone	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Acrolein	U	29		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Acrylonitrile	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Benzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Bromobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Bromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-2 [6'-9']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 11:30:00 AM
Lab ID:	0506095-02A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Bromoform	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Bromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Carbon disulfide	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Carbon tetrachloride	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Chlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Chlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Chloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Chloroform	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Chloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
cis-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
cis-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Dibromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Dibromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Dichlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Diisopropyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Ethanol	U	29		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Ethyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Ethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Freon-114	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Hexachlorobutadiene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Isopropyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Isopropylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
m,p-Xylene	U	12		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Methyl tert-butyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Methylene chloride	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Naphthalene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
n-Butyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
n-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
n-Propyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
n-Propylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
o-Xylene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
p-Diethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
p-Ethyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
sec-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Styrene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
t-Butyl alcohol	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
tert-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Tetrachloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Toluene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
trans-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-2 [6'-9']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 11:30:00 AM
Lab ID:	0506095-02A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Trichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Trichlorofluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Vinyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM
Vinyl chloride	U	5.8		µg/Kg-dry	1	6/13/2005 6:29:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-3 [3'-6']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 1:00:00 PM
Lab ID:	0506095-03A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	9.89	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,1,1-Trichloroethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,1,2,2-Tetrachloroethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,1,2-Trichloroethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,1-Dichloroethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,1-Dichloroethene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,1-Dichloropropene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2,3-Trichlorobenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2,3-Trichloropropane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2,4,5-Tetramethylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2,4-Trichlorobenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2,4-Trimethylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2-Dibromo-3-chloropropane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2-Dibromoethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2-Dichlorobenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2-Dichloroethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,2-Dichloropropane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,3,5-Trimethylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,3-Dichlorobenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,3-dichloropropane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
1,4-Dichlorobenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
2,2-Dichloropropane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
2-Butanone	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
2-Chloroethyl vinyl ether	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
2-Chlorotoluene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
2-Hexanone	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
4-Chlorotoluene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
4-Isopropyltoluene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
4-Methyl-2-pentanone	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Acetone	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Acrolein	U	28		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Acrylonitrile	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Benzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Bromobenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Bromochloromethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-3 [3'-6']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 1:00:00 PM
Lab ID:	0506095-03A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Bromoform	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Bromomethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Carbon disulfide	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Carbon tetrachloride	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Chlorobenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Chlorodifluoromethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Chloroethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Chloroform	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Chloromethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
cis-1,2-Dichloroethene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
cis-1,3-Dichloropropene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Dibromochloromethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Dibromomethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Dichlorodifluoromethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Diisopropyl ether	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Ethanol	U	28		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Ethyl acetate	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Ethylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Freon-114	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Hexachlorobutadiene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Isopropyl acetate	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Isopropylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
m,p-Xylene	U	11		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Methyl tert-butyl ether	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Methylene chloride	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Naphthalene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
n-Butyl acetate	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
n-Butylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
n-Propyl acetate	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
n-Propylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
o-Xylene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
p-Diethylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
p-Ethyltoluene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
sec-Butylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Styrene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
t-Butyl alcohol	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
tert-Butylbenzene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Tetrachloroethene	2.7	5.5	J	µg/Kg-dry	1	6/13/2005 7:04:00 PM
Toluene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
trans-1,2-Dichloroethene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-3 [3'-6']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 1:00:00 PM
Lab ID:	0506095-03A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Trichloroethene	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Trichlorofluoromethane	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Vinyl acetate	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM
Vinyl chloride	U	5.5		µg/Kg-dry	1	6/13/2005 7:04:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-4 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 2:00:00 PM
Lab ID:	0506095-04A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	14.5	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,1,1-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,1,2,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,1,2-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,1-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,1-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,1-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2,3-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2,3-Trichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2,4,5-Tetramethylbenzene	560	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2,4-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2,4-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2-Dibromo-3-chloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2-Dibromoethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,3,5-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,3-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,3-dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
1,4-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
2,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
2-Butanone	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
2-Chloroethyl vinyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
2-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
2-Hexanone	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
4-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
4-Isopropyltoluene	77	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
4-Methyl-2-pentanone	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Acetone	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Acrolein	U	29		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Acrylonitrile	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Benzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Bromobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Bromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-4 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 2:00:00 PM
Lab ID:	0506095-04A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Bromoform	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Bromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Carbon disulfide	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Carbon tetrachloride	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Chlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Chlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Chloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Chloroform	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Chloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
cis-1,2-Dichloroethene	31	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
cis-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Dibromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Dibromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Dichlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Diisopropyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Ethanol	U	29		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Ethyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Ethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Freon-114	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Hexachlorobutadiene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Isopropyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Isopropylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
m,p-Xylene	U	12		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Methyl tert-butyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Methylene chloride	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Naphthalene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
n-Butyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
n-Butylbenzene	60	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
n-Propyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
n-Propylbenzene	41	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
o-Xylene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
p-Diethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
p-Ethyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
sec-Butylbenzene	53	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Styrene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
t-Butyl alcohol	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
tert-Butylbenzene	100	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Tetrachloroethene	190	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Toluene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
trans-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-4 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 2:00:00 PM
Lab ID:	0506095-04A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Trichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Trichlorofluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Vinyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM
Vinyl chloride	U	5.8		µg/Kg-dry	1	6/13/2005 7:38:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-5 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 2:30:00 PM
Lab ID:	0506095-05A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	13.6	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,1,1-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,1,2,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,1,2-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,1-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,1-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,1-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2,3-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2,3-Trichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2,4,5-Tetramethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2,4-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2,4-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2-Dibromo-3-chloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2-Dibromoethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,3,5-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,3-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,3-dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
1,4-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
2,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
2-Butanone	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
2-Chloroethyl vinyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
2-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
2-Hexanone	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
4-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
4-Isopropyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
4-Methyl-2-pentanone	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Acetone	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Acrolein	U	29		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Acrylonitrile	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Benzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Bromobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Bromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-5 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 2:30:00 PM
Lab ID:	0506095-05A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Bromoform	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Bromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Carbon disulfide	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Carbon tetrachloride	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Chlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Chlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Chloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Chloroform	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Chloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
cis-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
cis-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Dibromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Dibromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Dichlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Diisopropyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Ethanol	U	29		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Ethyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Ethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Freon-114	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Hexachlorobutadiene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Isopropyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Isopropylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
m,p-Xylene	U	12		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Methyl tert-butyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Methylene chloride	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Naphthalene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
n-Butyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
n-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
n-Propyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
n-Propylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
o-Xylene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
p-Diethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
p-Ethyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
sec-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Styrene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
t-Butyl alcohol	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
tert-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Tetrachloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Toluene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
trans-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-5 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 2:30:00 PM
Lab ID:	0506095-05A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Trichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Trichlorofluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Vinyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM
Vinyl chloride	U	5.8		µg/Kg-dry	1	6/13/2005 8:11:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-6 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 3:00:00 PM
Lab ID:	0506095-06A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	15.6	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,1,1-Trichloroethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,1,2,2-Tetrachloroethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,1,2-Trichloroethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,1-Dichloroethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,1-Dichloroethene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,1-Dichloropropene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2,3-Trichlorobenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2,3-Trichloropropane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2,4,5-Tetramethylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2,4-Trichlorobenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2,4-Trimethylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2-Dibromo-3-chloropropane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2-Dibromoethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2-Dichlorobenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2-Dichloroethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,2-Dichloropropane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,3,5-Trimethylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,3-Dichlorobenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,3-dichloropropane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
1,4-Dichlorobenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
2,2-Dichloropropane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
2-Butanone	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
2-Chloroethyl vinyl ether	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
2-Chlorotoluene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
2-Hexanone	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
4-Chlorotoluene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
4-Isopropyltoluene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
4-Methyl-2-pentanone	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Acetone	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Acrolein	U	30		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Acrylonitrile	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Benzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Bromobenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Bromochloromethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-6 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 3:00:00 PM
Lab ID:	0506095-06A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Bromoform	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Bromomethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Carbon disulfide	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Carbon tetrachloride	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Chlorobenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Chlorodifluoromethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Chloroethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Chloroform	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Chloromethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
cis-1,2-Dichloroethene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
cis-1,3-Dichloropropene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Dibromochloromethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Dibromomethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Dichlorodifluoromethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Diisopropyl ether	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Ethanol	U	30		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Ethyl acetate	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Ethylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Freon-114	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Hexachlorobutadiene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Isopropyl acetate	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Isopropylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
m,p-Xylene	U	12		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Methyl tert-butyl ether	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Methylene chloride	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Naphthalene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
n-Butyl acetate	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
n-Butylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
n-Propyl acetate	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
n-Propylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
o-Xylene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
p-Diethylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
p-Ethyltoluene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
sec-Butylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Styrene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
t-Butyl alcohol	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
tert-Butylbenzene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Tetrachloroethene	170	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Toluene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
trans-1,2-Dichloroethene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-6 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005 3:00:00 PM
Lab ID:	0506095-06A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Trichloroethene	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Trichlorofluoromethane	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Vinyl acetate	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM
Vinyl chloride	U	5.9		µg/Kg-dry	1	6/13/2005 8:45:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-7 [9'-12']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 9:00:00 AM
Lab ID:	0506095-07A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	12.4	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,1,1-Trichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,1,2,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,1,2-Trichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,1-Dichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,1-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,1-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2,3-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2,3-Trichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2,4,5-Tetramethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2,4-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2,4-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2-Dibromo-3-chloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2-Dibromoethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2-Dichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,3,5-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,3-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,3-dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
1,4-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
2,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
2-Butanone	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
2-Chloroethyl vinyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
2-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
2-Hexanone	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
4-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
4-Isopropyltoluene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
4-Methyl-2-pentanone	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Acetone	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Acrolein	U	29		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Acrylonitrile	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Benzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Bromobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Bromochloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-7 [9'-12']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 9:00:00 AM
Lab ID:	0506095-07A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Bromoform	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Bromomethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Carbon disulfide	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Carbon tetrachloride	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Chlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Chlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Chloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Chloroform	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Chloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
cis-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
cis-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Dibromochloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Dibromomethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Dichlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Diisopropyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Ethanol	U	29		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Ethyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Ethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Freon-114	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Hexachlorobutadiene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Isopropyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Isopropylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
m,p-Xylene	U	11		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Methyl tert-butyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Methylene chloride	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Naphthalene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
n-Butyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
n-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
n-Propyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
n-Propylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
o-Xylene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
p-Diethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
p-Ethyltoluene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
sec-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Styrene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
t-Butyl alcohol	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
tert-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Tetrachloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Toluene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
trans-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-7 [9'-12']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 9:00:00 AM
Lab ID:	0506095-07A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Trichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Trichlorofluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Vinyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM
Vinyl chloride	U	5.7		µg/Kg-dry	1	6/13/2005 9:18:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-8 [9'-12']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 10:00:00 AM
Lab ID:	0506095-08A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	14.1	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,1,1-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,1,2,2-Tetrachloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,1,2-Trichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,1-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,1-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,1-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2,3-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2,3-Trichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2,4,5-Tetramethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2,4-Trichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2,4-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2-Dibromo-3-chloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2-Dibromoethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2-Dichloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,3,5-Trimethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,3-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,3-dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
1,4-Dichlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
2,2-Dichloropropane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
2-Butanone	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
2-Chloroethyl vinyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
2-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
2-Hexanone	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
4-Chlorotoluene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
4-Isopropyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
4-Methyl-2-pentanone	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Acetone	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Acrolein	U	29		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Acrylonitrile	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Benzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Bromobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Bromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-8 [9'-12']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 10:00:00 AM
Lab ID:	0506095-08A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Bromoform	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Bromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Carbon disulfide	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Carbon tetrachloride	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Chlorobenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Chlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Chloroethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Chloroform	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Chloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
cis-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
cis-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Dibromochloromethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Dibromomethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Dichlorodifluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Dilsopropyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Ethanol	U	29		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Ethyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Ethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Freon-114	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Hexachlorobutadiene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Isopropyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Isopropylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
m,p-Xylene	U	12		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Methyl tert-butyl ether	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Methylene chloride	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Naphthalene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
n-Butyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
n-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
n-Propyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
n-Propylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
o-Xylene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
p-Diethylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
p-Ethyltoluene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
sec-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Styrene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
t-Butyl alcohol	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
tert-Butylbenzene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Tetrachloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Toluene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
trans-1,2-Dichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-8 [9'-12']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 10:00:00 AM
Lab ID:	0506095-08A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Trichloroethene	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Trichlorofluoromethane	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Vinyl acetate	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM
Vinyl chloride	U	5.8		µg/Kg-dry	1	6/13/2005 9:50:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-9 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 11:00:00 AM
Lab ID:	0506095-09A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	11.6	0		wt%	1	6/10/2005
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,1,1-Trichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,1,2,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,1,2-Trichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,1-Dichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,1-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,1-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2,3-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2,3-Trichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2,4,5-Tetramethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2,4-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2,4-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2-Dibromo-3-chloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2-Dibromoethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2-Dichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,3,5-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,3-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,3-dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
1,4-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
2,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
2-Butanone	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
2-Chloroethyl vinyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
2-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
2-Hexanone	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
4-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
4-Isopropyltoluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
4-Methyl-2-pentanone	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Acetone	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Acrolein	U	28		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Acrylonitrile	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Benzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Bromobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Bromochloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-9 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 11:00:00 AM
Lab ID:	0506095-09A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Bromodichloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Bromoform	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Bromomethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Carbon disulfide	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Carbon tetrachloride	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Chlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Chlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Chloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Chloroform	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Chloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
cis-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
cis-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Dibromochloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Dibromomethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Dichlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Diisopropyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Ethanol	U	28		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Ethyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Ethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Freon-114	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Hexachlorobutadiene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Isopropyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Isopropylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
m,p-Xylene	U	11		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Methyl tert-butyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Methylene chloride	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Naphthalene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
n-Butyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
n-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
n-Propyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
n-Propylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
o-Xylene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
p-Diethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
p-Ethyltoluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
sec-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Styrene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
t-Butyl alcohol	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
tert-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Tetrachloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Toluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
trans-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	SB-9 [0-3']
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 11:00:00 AM
Lab ID:	0506095-09A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
trans-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Trichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Trichlorofluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Vinyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM
Vinyl chloride	U	5.7		µg/Kg-dry	1	6/13/2005 10:23:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 1, 2, 9
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-10A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,1,1-Trichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,1,2,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,1,2-Trichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,1-Dichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,1-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,1-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2,3-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2,3-Trichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2,4,5-Tetramethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2,4-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2,4-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2-Dibromo-3-chloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2-Dibromoethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2-Dichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,3,5-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,3-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,3-dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
1,4-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
2,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
2-Butanone	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
2-Chloroethyl vinyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
2-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
2-Hexanone	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
4-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
4-Isopropyltoluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
4-Methyl-2-pentanone	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Acetone	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Acrolein	U	29		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Acrylonitrile	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Benzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Bromobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Bromochloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Bromodichloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Bromoform	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Bromomethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Carbon disulfide	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM

Qualifiers:

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 1, 2, 9
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-10A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Carbon tetrachloride	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Chlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Chlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Chloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Chloroform	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Chloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
cis-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
cis-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Dibromochloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Dibromomethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Dichlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Diisopropyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Ethanol	U	29		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Ethyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Ethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Freon-114	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Hexachlorobutadiene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Isopropyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Isopropylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
m,p-Xylene	U	11		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Methyl tert-butyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Methylene chloride	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Naphthalene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
n-Butyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
n-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
n-Propyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
n-Propylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
o-Xylene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
p-Diethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
p-Ethyltoluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
sec-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Styrene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
t-Butyl alcohol	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
tert-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Tetrachloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Toluene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
trans-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
trans-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Trichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Trichlorofluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM
Vinyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 1, 2, 9
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-10A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	U	5.7		µg/Kg-dry	1	6/13/2005 10:55:00 PM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 1, 2, 9
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-10B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TPH 8015 DIESEL RANGE ORGANICS		**SW8015**		**(SW3550A)**		Analyst: **NP**
Fuel Oil #1	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Fuel Oil #2	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Fuel Oil #3	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Fuel Oil #4	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Fuel Oil #5	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Fuel Oil #6	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Hydraulic Fluid	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Motor Oil Composite	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
SAE #30	U	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Unknown DRO TPH	54	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
Total DRO TPH	54	34		mg/Kg-dry	3	6/15/2005 7:54:00 AM
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **NP**
Aroclor 1016	U	91		µg/Kg-dry	3	6/16/2005 7:40:00 AM
Aroclor 1221	U	91		µg/Kg-dry	3	6/16/2005 7:40:00 AM
Aroclor 1232	U	91		µg/Kg-dry	3	6/16/2005 7:40:00 AM
Aroclor 1242	U	91		µg/Kg-dry	3	6/16/2005 7:40:00 AM
Aroclor 1248	U	91		µg/Kg-dry	3	6/16/2005 7:40:00 AM
Aroclor 1254	U	91		µg/Kg-dry	3	6/16/2005 7:40:00 AM
Aroclor 1260	130	91		µg/Kg-dry	3	6/16/2005 7:40:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	12.5	0		wt%	1	6/10/2005
TOTAL ORGANIC HALIDES		**SW9023**				Analyst: **JP**
Total Organic Halides (TOX)	U	11.4		mg/Kg-dry	1	6/13/2005
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
1,2-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
1,3-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
1,4-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2,4,5-Trichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2,4,6-Trichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2,4-Dichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2,4-Dimethylphenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2,4-Dinitrophenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2,4-Dinitrotoluene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM

Qualifiers:

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 1, 2, 9
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-10B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
2,6-Dinitrotoluene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2-Chloronaphthalene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2-Chlorophenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2-Methylnaphthalene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2-Methylphenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
2-Nitrophenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
3,3'-Dichlorobenzidine	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
3+4-Methylphenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
3-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
4,6-Dinitro-2-methylphenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
4-Bromophenyl phenyl ether	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
4-Chloro-3-methylphenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
4-Chloroaniline	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
4-Chlorophenyl phenyl ether	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
4-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
4-Nitrophenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Acenaphthene	150	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Acenaphthylene	120	140	J	µg/Kg-dry	3	6/14/2005 12:25:00 PM
Aniline	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Anthracene	570	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Azobenzene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Benzidine	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Benzo(a)anthracene	2200	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Benzo(a)pyrene	2000	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Benzo(b)fluoranthene	2500	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Benzo(g,h,i)perylene	1400	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Benzo(k)fluoranthene	870	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Benzoic acid	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Benzyl alcohol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Bis(2-chloroethoxy)methane	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Bis(2-chloroethyl)ether	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Bis(2-chloroisopropyl)ether	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Bis(2-ethylhexyl)phthalate	25000	1400		µg/Kg-dry	30	6/15/2005 5:51:00 PM
Butyl benzyl phthalate	780	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Carbazole	180	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Chrysene	3000	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Dibenzo(a,h)anthracene	330	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Dibenzofuran	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Diethyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Dimethyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 1, 2, 9
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-10B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Di-n-butyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Di-n-octyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Fluoranthene	4500	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Fluorene	140	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Hexachlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Hexachlorobutadiene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Hexachlorocyclopentadiene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Hexachloroethane	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Indeno(1,2,3-c,d)pyrene	1300	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Isophorone	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Naphthalene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Nitrobenzene	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
N-Nitrosodimethylamine	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
N-Nitrosodi-n-propylamine	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
N-Nitrosodiphenylamine	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Pentachlorophenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Phenanthrene	3500	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Phenol	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Pyrene	5800	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
Pyridine	U	140		µg/Kg-dry	3	6/14/2005 12:25:00 PM
TOTAL SULFUR		**TSULF**				Analyst: **IP**
Sulfur, Total	0.0194	0.00114		wt%-dry	1	6/13/2005
IGNITABILITY/FLASHPOINT SW-846 1010		**SW1010**				Analyst: **IP**
Ignitability	>	140		°F	1	6/10/2005
CORROSIVITY		**SW9045C**				Analyst: **IP**
pH	10.00	0		pH Units	1	6/13/2005
REACTIVE CYANIDE		**SW7.3.3.2**				Analyst: **IP**
Reactive Cyanide	U	0.114		mg/Kg-dry	1	6/14/2005
REACTIVE SULFIDE		**SW7.3.4.2**				Analyst: **IP**
Reactive Sulfide	U	2.29		mg/Kg-dry	1	6/14/2005

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	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 1, 2, 9
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-10C **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCLP MERCURY		**SW1311/7471B**		**(SW1311)**		Analyst: **BK**
Mercury	U	0.0200		mg/L	1	6/14/2005
TCLP HERBICIDES SW-846 8151		**SW8151A**		**(SW3510B)**		Analyst: **KB**
2,4,5-TP (Silvex)	U	0.50		mg/L	1	6/20/2005 11:27:00 PM
2,4-D	U	5.0		mg/L	1	6/20/2005 11:27:00 PM
TCLP PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
Chlordane	U	0.0030		mg/L	1	6/15/2005 7:44:00 PM
Endrin	U	0.0020		mg/L	1	6/15/2005 7:44:00 PM
gamma-BHC	U	0.040		mg/L	1	6/15/2005 7:44:00 PM
Heptachlor	U	0.00080		mg/L	1	6/15/2005 7:44:00 PM
Heptachlor epoxide	U	0.00080		mg/L	1	6/15/2005 7:44:00 PM
Methoxychlor	U	1.0		mg/L	1	6/15/2005 7:44:00 PM
Toxaphene	U	0.050		mg/L	1	6/15/2005 7:44:00 PM
TCLP METALS		**SW1311/6010B**		**(SW1311)**		Analyst: **JP**
Arsenic	U	0.0500		mg/L	1	6/14/2005 3:41:03 PM
Barium	0.644	0.0500		mg/L	1	6/14/2005 3:41:03 PM
Cadmium	U	0.0500		mg/L	1	6/14/2005 3:41:03 PM
Chromium	U	0.0500		mg/L	1	6/14/2005 3:41:03 PM
Lead	8.02	0.0500	*	mg/L	1	6/14/2005 3:41:03 PM
Selenium	U	0.0500		mg/L	1	6/14/2005 3:41:03 PM
Silver	U	0.0500		mg/L	1	6/14/2005 3:41:03 PM
TCLP SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **SP**
2,4,5-Trichlorophenol	U	80		mg/L	2	6/16/2005 12:58:00 AM
2,4,6-Trichlorophenol	U	0.40		mg/L	2	6/16/2005 12:58:00 AM
2,4-Dinitrotoluene	U	0.026		mg/L	2	6/16/2005 12:58:00 AM
2-Methylphenol	U	40		mg/L	2	6/16/2005 12:58:00 AM
3+4-Methylphenol	U	80		mg/L	2	6/16/2005 12:58:00 AM
Hexachlorobenzene	U	0.026		mg/L	2	6/16/2005 12:58:00 AM
Hexachlorobutadiene	U	0.10		mg/L	2	6/16/2005 12:58:00 AM
Hexachloroethane	U	0.60		mg/L	2	6/16/2005 12:58:00 AM
Nitrobenzene	U	0.40		mg/L	2	6/16/2005 12:58:00 AM
Pentachlorophenol	U	20		mg/L	2	6/16/2005 12:58:00 AM
Pyridine	U	1.0		mg/L	2	6/16/2005 12:58:00 AM

Qualifiers:

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 1, 2, 9
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-10C **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCLP VOLATILE ANALYSIS		**SW8260B**		**(SW1311)**		Analyst: **LDS**
1,1-Dichloroethene	U	0.070		mg/L	1	6/15/2005 12:30:00 AM
1,2-Dichloroethane	U	0.050		mg/L	1	6/15/2005 12:30:00 AM
1,4-Dichlorobenzene	U	0.75		mg/L	1	6/15/2005 12:30:00 AM
2-Butanone	U	20		mg/L	1	6/15/2005 12:30:00 AM
Benzene	U	0.050		mg/L	1	6/15/2005 12:30:00 AM
Carbon tetrachloride	U	0.050		mg/L	1	6/15/2005 12:30:00 AM
Chlorobenzene	U	10		mg/L	1	6/15/2005 12:30:00 AM
Chloroform	U	0.60		mg/L	1	6/15/2005 12:30:00 AM
Tetrachloroethene	U	0.070		mg/L	1	6/15/2005 12:30:00 AM
Trichloroethene	U	0.050		mg/L	1	6/15/2005 12:30:00 AM
Vinyl chloride	U	0.020		mg/L	1	6/15/2005 12:30:00 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 3, 4, 5, 6
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005
Lab ID:	0506095-11A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,1,1-Trichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,1,2,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,1,2-Trichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,1-Dichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,1-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,1-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2,3-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2,3-Trichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2,4,5-Tetramethylbenzene	130	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2,4-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2,4-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2-Dibromo-3-chloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2-Dibromoethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2-Dichloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,3,5-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,3-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,3-dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
1,4-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
2,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
2-Butanone	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
2-Chloroethyl vinyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
2-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
2-Hexanone	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
4-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
4-Isopropyltoluene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
4-Methyl-2-pentanone	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Acetone	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Acrolein	U	29		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Acrylonitrile	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Benzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Bromobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Bromochloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Bromodichloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Bromoform	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Bromomethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Carbon disulfide	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM

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Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 3, 4, 5, 6
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005
Lab ID:	0506095-11A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Carbon tetrachloride	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Chlorobenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Chlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Chloroethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Chloroform	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Chloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
cis-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
cis-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Dibromochloromethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Dibromomethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Dichlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Diisopropyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Ethanol	U	29		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Ethyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Ethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Freon-114	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Hexachlorobutadiene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Isopropyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Isopropylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
m,p-Xylene	U	11		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Methyl tert-butyl ether	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Methylene chloride	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Naphthalene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
n-Butyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
n-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
n-Propyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
n-Propylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
o-Xylene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
p-Diethylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
p-Ethyltoluene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
sec-Butylbenzene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Styrene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
t-Butyl alcohol	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
tert-Butylbenzene	16	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Tetrachloroethene	81	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Toluene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
trans-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
trans-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Trichloroethene	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Trichlorofluoromethane	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM
Vinyl acetate	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 3, 4, 5, 6
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005
Lab ID:	0506095-11A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	U	5.7		µg/Kg-dry	1	6/13/2005 11:28:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 3, 4, 5, 6
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005
Lab ID:	0506095-11B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TPH 8015 DIESEL RANGE ORGANICS		**SW8015**		**(SW3550A)**		Analyst: **NP**
Fuel Oil #1	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Fuel Oil #2	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Fuel Oil #3	1600	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Fuel Oil #4	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Fuel Oil #5	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Fuel Oil #6	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Hydraulic Fluid	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Motor Oil Composite	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
SAE #30	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Unknown DRO TPH	U	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
Total DRO TPH	1600	34		mg/Kg-dry	3	6/15/2005 9:56:00 AM
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **NP**
Aroclor 1016	U	92		µg/Kg-dry	3	6/16/2005 8:22:00 AM
Aroclor 1221	U	92		µg/Kg-dry	3	6/16/2005 8:22:00 AM
Aroclor 1232	U	92		µg/Kg-dry	3	6/16/2005 8:22:00 AM
Aroclor 1242	U	92		µg/Kg-dry	3	6/16/2005 8:22:00 AM
Aroclor 1248	U	92		µg/Kg-dry	3	6/16/2005 8:22:00 AM
Aroclor 1254	U	92		µg/Kg-dry	3	6/16/2005 8:22:00 AM
Aroclor 1260	U	92		µg/Kg-dry	3	6/16/2005 8:22:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	12.9	0		wt%	1	6/10/2005
TOTAL ORGANIC HALIDES		**SW9023**				Analyst: **JP**
Total Organic Halides (TOX)	U	11.5		mg/Kg-dry	1	6/13/2005
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
1,2-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
1,3-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
1,4-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2,4,5-Trichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2,4,6-Trichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2,4-Dichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2,4-Dimethylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2,4-Dinitrophenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2,4-Dinitrotoluene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 3, 4, 5, 6
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005
Lab ID:	0506095-11B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
2,6-Dinitrotoluene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2-Chloronaphthalene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2-Chlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2-Methylnaphthalene	3200	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2-Methylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
2-Nitrophenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
3,3'-Dichlorobenzidine	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
3+4-Methylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
3-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
4,6-Dinitro-2-methylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
4-Bromophenyl phenyl ether	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
4-Chloro-3-methylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
4-Chloroaniline	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
4-Chlorophenyl phenyl ether	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
4-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
4-Nitrophenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Acenaphthene	660	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Acenaphthylene	250	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Aniline	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Anthracene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Azobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Benzidine	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Benzo(a)anthracene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Benzo(a)pyrene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Benzo(b)fluoranthene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Benzo(g,h,i)perylene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Benzo(k)fluoranthene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Benzoic acid	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Benzyl alcohol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Bis(2-chloroethoxy)methane	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Bis(2-chloroethyl)ether	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Bis(2-chloroisopropyl)ether	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Bis(2-ethylhexyl)phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Butyl benzyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Carbazole	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Chrysene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Dibenzo(a,h)anthracene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Dibenzofuran	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Diethyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Dimethyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 3, 4, 5, 6
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005
Lab ID:	0506095-11B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Di-n-butyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Di-n-octyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Fluoranthene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Fluorene	1200	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Hexachlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Hexachlorobutadiene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Hexachlorocyclopentadiene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Hexachloroethane	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Indeno(1,2,3-c,d)pyrene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Isophorone	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Naphthalene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Nitrobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
N-Nitrosodimethylamine	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
N-Nitrosodi-n-propylamine	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
N-Nitrosodiphenylamine	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Pentachlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Phenanthrene	3300	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Phenol	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Pyrene	260	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
Pyridine	U	140		µg/Kg-dry	3	6/14/2005 1:09:00 PM
TOTAL SULFUR		**TSULF**				Analyst: **IP**
Sulfur, Total	U	0.00115		wt%-dry	1	6/13/2005
IGNITABILITY/FLASHPOINT SW-846 1010		**SW1010**				Analyst: **IP**
Ignitability	>	140		°F	1	6/10/2005
CORROSIVITY		**SW9045C**				Analyst: **IP**
pH	8.20	0		pH Units	1	6/13/2005
REACTIVE CYANIDE		**SW7.3.3.2**				Analyst: **IP**
Reactive Cyanide	U	0.115		mg/Kg-dry	1	6/14/2005
REACTIVE SULFIDE		**SW7.3.4.2**				Analyst: **IP**
Reactive Sulfide	U	2.30		mg/Kg-dry	1	6/14/2005

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Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 3, 4, 5, 6
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005
Lab ID:	0506095-11C **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCLP MERCURY		**SW1311/7471B**		**(SW1311)**		Analyst: **BK**
Mercury	U	0.0200		mg/L	1	6/14/2005
TCLP HERBICIDES SW-846 8151		**SW8151A**		**(SW3510B)**		Analyst: **KB**
2,4,5-TP (Silvex)	U	0.50		mg/L	1	6/21/2005 3:27:00 AM
2,4-D	U	5.0		mg/L	1	6/21/2005 3:27:00 AM
TCLP PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
Chlordane	U	0.0030		mg/L	1	6/16/2005 3:05:00 AM
Endrin	U	0.0020		mg/L	1	6/16/2005 3:05:00 AM
gamma-BHC	U	0.040		mg/L	1	6/16/2005 3:05:00 AM
Heptachlor	U	0.00080		mg/L	1	6/16/2005 3:05:00 AM
Heptachlor epoxide	U	0.00080		mg/L	1	6/16/2005 3:05:00 AM
Methoxychlor	U	1.0		mg/L	1	6/16/2005 3:05:00 AM
Toxaphene	U	0.050		mg/L	1	6/16/2005 3:05:00 AM
TCLP METALS		**SW1311/6010B**		**(SW1311)**		Analyst: **JP**
Arsenic	U	0.0500		mg/L	1	6/14/2005 3:43:25 PM
Barium	0.753	0.0500		mg/L	1	6/14/2005 3:43:25 PM
Cadmium	U	0.0500		mg/L	1	6/14/2005 3:43:25 PM
Chromium	U	0.0500		mg/L	1	6/14/2005 3:43:25 PM
Lead	0.159	0.0500		mg/L	1	6/14/2005 3:43:25 PM
Selenium	U	0.0500		mg/L	1	6/14/2005 3:43:25 PM
Silver	U	0.0500		mg/L	1	6/14/2005 3:43:25 PM
TCLP SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **SP**
2,4,5-Trichlorophenol	U	80		mg/L	2	6/16/2005 1:33:00 AM
2,4,6-Trichlorophenol	U	0.40		mg/L	2	6/16/2005 1:33:00 AM
2,4-Dinitrotoluene	U	0.026		mg/L	2	6/16/2005 1:33:00 AM
2-Methylphenol	U	40		mg/L	2	6/16/2005 1:33:00 AM
3+4-Methylphenol	U	80		mg/L	2	6/16/2005 1:33:00 AM
Hexachlorobenzene	U	0.026		mg/L	2	6/16/2005 1:33:00 AM
Hexachlorobutadiene	U	0.10		mg/L	2	6/16/2005 1:33:00 AM
Hexachloroethane	U	0.60		mg/L	2	6/16/2005 1:33:00 AM
Nitrobenzene	U	0.40		mg/L	2	6/16/2005 1:33:00 AM
Pentachlorophenol	U	20		mg/L	2	6/16/2005 1:33:00 AM
Pyridine	U	1.0		mg/L	2	6/16/2005 1:33:00 AM

Qualifiers:

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S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 3, 4, 5, 6
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/8/2005
Lab ID:	0506095-11C **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCLP VOLATILE ANALYSIS		**SW8260B**		**(SW1311)**		Analyst: **LDS**
1,1-Dichloroethene	U	0.070		mg/L	1	6/15/2005 1:05:00 AM
1,2-Dichloroethane	U	0.050		mg/L	1	6/15/2005 1:05:00 AM
1,4-Dichlorobenzene	U	0.75		mg/L	1	6/15/2005 1:05:00 AM
2-Butanone	U	20		mg/L	1	6/15/2005 1:05:00 AM
Benzene	U	0.050		mg/L	1	6/15/2005 1:05:00 AM
Carbon tetrachloride	U	0.050		mg/L	1	6/15/2005 1:05:00 AM
Chlorobenzene	U	10		mg/L	1	6/15/2005 1:05:00 AM
Chloroform	U	0.60		mg/L	1	6/15/2005 1:05:00 AM
Tetrachloroethene	0.0050	0.070	J	mg/L	1	6/15/2005 1:05:00 AM
Trichloroethene	U	0.050		mg/L	1	6/15/2005 1:05:00 AM
Vinyl chloride	U	0.020		mg/L	1	6/15/2005 1:05:00 AM

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 7, 8
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-12A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,1,1-Trichloroethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,1,2,2-Tetrachloroethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,1,2-Trichloroethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,1-Dichloroethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,1-Dichloroethene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,1-Dichloropropene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2,3-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2,3-Trichloropropane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2,4,5-Tetramethylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2,4-Trichlorobenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2,4-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2-Dibromo-3-chloropropane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2-Dibromoethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2-Dichloroethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,3,5-Trimethylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,3-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,3-dichloropropane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
1,4-Dichlorobenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
2,2-Dichloropropane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
2-Butanone	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
2-Chloroethyl vinyl ether	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
2-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
2-Hexanone	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
4-Chlorotoluene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
4-Isopropyltoluene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
4-Methyl-2-pentanone	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Acetone	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Acrolein	U	28		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Acrylonitrile	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Benzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Bromobenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Bromochloromethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Bromodichloromethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Bromoform	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Bromomethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Carbon disulfide	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM

Qualifiers:

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S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 7, 8
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-12A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Carbon tetrachloride	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Chlorobenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Chlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Chloroethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Chloroform	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Chloromethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
cis-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
cis-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Dibromochloromethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Dibromomethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Dichlorodifluoromethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Diisopropyl ether	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Ethanol	U	28		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Ethyl acetate	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Ethylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Freon-114	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Hexachlorobutadiene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Isopropyl acetate	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Isopropylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
m,p-Xylene	U	11		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Methyl tert-butyl ether	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Methylene chloride	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Naphthalene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
n-Butyl acetate	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
n-Butylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
n-Propyl acetate	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
n-Propylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
o-Xylene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
p-Diethylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
p-Ethyltoluene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
sec-Butylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Styrene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
t-Butyl alcohol	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
tert-Butylbenzene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Tetrachloroethene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Toluene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
trans-1,2-Dichloroethene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
trans-1,3-Dichloropropene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Trichloroethene	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Trichlorofluoromethane	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM
Vinyl acetate	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 7, 8
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-12A **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	U	5.7		µg/Kg-dry	1	6/14/2005 12:01:00 AM

Qualifiers:	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 7, 8
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-12B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TPH 8015 DIESEL RANGE ORGANICS		**SW8015**		**(SW3550A)**		Analyst: **NP**
Fuel Oil #1	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Fuel Oil #2	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Fuel Oil #3	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Fuel Oil #4	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Fuel Oil #5	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Fuel Oil #6	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Hydraulic Fluid	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Motor Oil Composite	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
SAE #30	U	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Unknown DRO TPH	85	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
Total DRO TPH	85	34		mg/Kg-dry	3	6/15/2005 10:36:00 AM
PCB'S AS AROCLORS SW-846 8082		**SW8082A**		**(SW3550)**		Analyst: **NP**
Aroclor 1016	U	91		µg/Kg-dry	3	6/16/2005 9:05:00 AM
Aroclor 1221	U	91		µg/Kg-dry	3	6/16/2005 9:05:00 AM
Aroclor 1232	U	91		µg/Kg-dry	3	6/16/2005 9:05:00 AM
Aroclor 1242	U	91		µg/Kg-dry	3	6/16/2005 9:05:00 AM
Aroclor 1248	U	91		µg/Kg-dry	3	6/16/2005 9:05:00 AM
Aroclor 1254	U	91		µg/Kg-dry	3	6/16/2005 9:05:00 AM
Aroclor 1260	U	91		µg/Kg-dry	3	6/16/2005 9:05:00 AM
PERCENT MOISTURE		**D2216**				Analyst: **PA**
Percent Moisture	12.2	0		wt%	1	6/10/2005
TOTAL ORGANIC HALIDES		**SW9023**				Analyst: **JP**
Total Organic Halides (TOX)	U	11.4		mg/Kg-dry	1	6/13/2005
SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3550A)**		Analyst: **RN**
1,2,4-Trichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
1,2-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
1,3-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
1,4-Dichlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2,4,5-Trichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2,4,6-Trichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2,4-Dichlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2,4-Dimethylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2,4-Dinitrophenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2,4-Dinitrotoluene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM

Qualifiers:

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J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 7, 8
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-12B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
2,6-Dinitrotoluene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2-Chloronaphthalene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2-Chlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2-Methylnaphthalene	520	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2-Methylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
2-Nitrophenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
3,3'-Dichlorobenzidine	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
3+4-Methylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
3-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
4,6-Dinitro-2-methylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
4-Bromophenyl phenyl ether	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
4-Chloro-3-methylphenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
4-Chloroaniline	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
4-Chlorophenyl phenyl ether	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
4-Nitroaniline	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
4-Nitrophenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Acenaphthene	1800	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Acenaphthylene	150	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Aniline	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Anthracene	3100	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Azobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Benzidine	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Benzo(a)anthracene	6800	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Benzo(a)pyrene	5400	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Benzo(b)fluoranthene	6600	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Benzo(g,h,i)perylene	3200	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Benzo(k)fluoranthene	2500	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Benzoic acid	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Benzyl alcohol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Bis(2-chloroethoxy)methane	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Bis(2-chloroethyl)ether	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Bis(2-chloroisopropyl)ether	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Bis(2-ethylhexyl)phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Butyl benzyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Carbazole	1400	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Chrysene	7000	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Dibenzo(a,h)anthracene	770	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Dibenzofuran	1200	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Diethyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Dimethyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 7, 8
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-12B **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Di-n-butyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Di-n-octyl phthalate	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Fluoranthene	17000	1400		µg/Kg-dry	30	6/15/2005 6:31:00 PM
Fluorene	1400	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Hexachlorobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Hexachlorobutadiene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Hexachlorocyclopentadiene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Hexachloroethane	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Indeno(1,2,3-c,d)pyrene	2700	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Isophorone	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Naphthalene	930	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Nitrobenzene	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
N-Nitrosodimethylamine	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
N-Nitrosodi-n-propylamine	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
N-Nitrosodiphenylamine	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Pentachlorophenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Phenanthrene	19000	1400		µg/Kg-dry	30	6/15/2005 6:31:00 PM
Phenol	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
Pyrene	15000	1400		µg/Kg-dry	30	6/15/2005 6:31:00 PM
Pyridine	U	140		µg/Kg-dry	3	6/14/2005 1:54:00 PM
TOTAL SULFUR		**TSULF**				Analyst: **IP**
Sulfur, Total	U	0.00114		wt%-dry	1	6/13/2005
IGNITABILITY/FLASHPOINT SW-846 1010		**SW1010**				Analyst: **IP**
Ignitability	>	140		°F	1	6/10/2005
CORROSIVITY		**SW9045C**				Analyst: **IP**
pH	10.40	0		pH Units	1	6/13/2005
REACTIVE CYANIDE		**SW7.3.3.2**				Analyst: **IP**
Reactive Cyanide	U	0.114		mg/Kg-dry	1	6/14/2005
REACTIVE SULFIDE		**SW7.3.4.2**				Analyst: **IP**
Reactive Sulfide	U	2.28		mg/Kg-dry	1	6/14/2005

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 7, 8
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-12C **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCLP MERCURY		**SW1311/7471B**		**(SW1311)**		Analyst: **BK**
Mercury	U	0.0200		mg/L	1	6/14/2005
TCLP HERBICIDES SW-846 8151		**SW8151A**		**(SW3510B)**		Analyst: **KB**
2,4,5-TP (Silvex)	U	0.50		mg/L	1	6/21/2005 4:10:00 AM
2,4-D	U	5.0		mg/L	1	6/21/2005 4:10:00 AM
TCLP PESTICIDES SW-846 8081		**SW8081B**		**(SW3510B)**		Analyst: **KB**
Chlordane	U	0.0030		mg/L	1	6/15/2005 8:27:00 PM
Endrin	U	0.0020		mg/L	1	6/15/2005 8:27:00 PM
gamma-BHC	U	0.040		mg/L	1	6/15/2005 8:27:00 PM
Heptachlor	U	0.00080		mg/L	1	6/15/2005 8:27:00 PM
Heptachlor epoxide	U	0.00080		mg/L	1	6/15/2005 8:27:00 PM
Methoxychlor	U	1.0		mg/L	1	6/15/2005 8:27:00 PM
Toxaphene	U	0.050		mg/L	1	6/15/2005 8:27:00 PM
TCLP METALS		**SW1311/6010B**		**(SW1311)**		Analyst: **JP**
Arsenic	U	0.0500		mg/L	1	6/14/2005 3:45:49 PM
Barium	0.961	0.0500		mg/L	1	6/14/2005 3:45:49 PM
Cadmium	0.0288	0.0500	J	mg/L	1	6/14/2005 3:45:49 PM
Chromium	U	0.0500		mg/L	1	6/14/2005 3:45:49 PM
Lead	2.03	0.0500		mg/L	1	6/14/2005 3:45:49 PM
Selenium	U	0.0500		mg/L	1	6/14/2005 3:45:49 PM
Silver	U	0.0500		mg/L	1	6/14/2005 3:45:49 PM
TCLP SEMIVOLATILES SW-846 8270		**SW8270D**		**(SW3510)**		Analyst: **SP**
2,4,5-Trichlorophenol	U	80		mg/L	2	6/16/2005 2:08:00 AM
2,4,6-Trichlorophenol	U	0.40		mg/L	2	6/16/2005 2:08:00 AM
2,4-Dinitrotoluene	U	0.026		mg/L	2	6/16/2005 2:08:00 AM
2-Methylphenol	U	40		mg/L	2	6/16/2005 2:08:00 AM
3+4-Methylphenol	U	80		mg/L	2	6/16/2005 2:08:00 AM
Hexachlorobenzene	U	0.026		mg/L	2	6/16/2005 2:08:00 AM
Hexachlorobutadiene	U	0.10		mg/L	2	6/16/2005 2:08:00 AM
Hexachloroethane	U	0.60		mg/L	2	6/16/2005 2:08:00 AM
Nitrobenzene	U	0.40		mg/L	2	6/16/2005 2:08:00 AM
Pentachlorophenol	U	20		mg/L	2	6/16/2005 2:08:00 AM
Pyridine	U	1.0		mg/L	2	6/16/2005 2:08:00 AM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Soil Composite 7, 8
Lab Order:	0506095	**Tag Number:**	5550
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005
Lab ID:	0506095-12C **Date Received:** 6/9/2005	**Matrix:**	SOIL

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
TCLP VOLATILE ANALYSIS		**SW8260B**		**(SW1311)**		Analyst: **LDS**
1,1-Dichloroethene	U	0.070		mg/L	1	6/15/2005 1:39:00 AM
1,2-Dichloroethane	U	0.050		mg/L	1	6/15/2005 1:39:00 AM
1,4-Dichlorobenzene	U	0.75		mg/L	1	6/15/2005 1:39:00 AM
2-Butanone	U	20		mg/L	1	6/15/2005 1:39:00 AM
Benzene	U	0.050		mg/L	1	6/15/2005 1:39:00 AM
Carbon tetrachloride	U	0.050		mg/L	1	6/15/2005 1:39:00 AM
Chlorobenzene	U	10		mg/L	1	6/15/2005 1:39:00 AM
Chloroform	U	0.60		mg/L	1	6/15/2005 1:39:00 AM
Tetrachloroethene	U	0.070		mg/L	1	6/15/2005 1:39:00 AM
Trichloroethene	U	0.050		mg/L	1	6/15/2005 1:39:00 AM
Vinyl chloride	U	0.020		mg/L	1	6/15/2005 1:39:00 AM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
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Appendix B

Groundwater Test Results June 2005

AMERICAN ANALYTICAL LABORATORIES

NYSDOH 11418
NJDEP NY050
CTDOH PH-0205
PADEP 68-00573

Tuesday, June 21, 2005

Steve Malinowski
CA Rich Consultants Inc.
17 Dupont Street
Plainview, NY 11803

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

RE: 421 13th St. Manhattan, N.Y.

Order No.: 0506094

Dear Steve Malinowski:

American Analytical Laboratories, LLC. received 4 sample(s) on 6/9/2005 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 limits 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 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

56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX: (631) 454-8027

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT: CA Rich Consultants Inc.
Project: 421 13th St. Manhattan, N.Y.
Lab Order: 0506094

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
0506094-01A	MCW-1 [2'-7']	5548	6/9/2005 9:00:00 AM	6/9/2005
0506094-02A	Discreet MCW-1 [10'-15']	5548	6/9/2005 9:15:00 AM	6/9/2005
0506094-03A	MCW-3 [2'-7']	5548	6/9/2005 11:00:00 AM	6/9/2005
0506094-04A	MCW-2 [8'-13']	5548	6/9/2005 12:30:00 PM	6/9/2005

AMERICAN ANALYTICAL LABORATORIES
56 TOLEDO STREET • FARMINGDALE, NEW YORK 11735
(631) 454-6100 • FAX (631) 454-8027

TAG # / COC 5548

NYSDOH 11418
CTDOH PH-0205
NJDEP NY050
PADEP 68-573

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS
CA Rich Consultants
17 Dupont St.
Plainview NY 11803

CONTACT: Steve Malinowski

SAMPLER (SIGNATURE) Jason T. Cooper

SAMPLER NAME (PRINT) Jason T. Cooper

SAMPLE(S) SEALED YES / NO

CORRECT CONTAINER(S) YES / NO

PROJECT LOCATION: 421 13st Manhattan NY

LABORATORY ID #	MATRIX	# CONTAINERS	SAMPLING DATE/ TIME	SAMPLE # - LOCATION	ANALYSIS REQUIRED: VOCs by 8260	FOR METHANOL PRESERVED SAMPLES [VOLATILE VIAL #]
0506094-1A	L	2	6/9/05 0900	MCW-1 (2-7')	X	
2A	L	2	6/9/05 0915	Discreet MCW-1 (10-15')	X	
3A	L	2	6/9/05 1100	MCW-3 (2-7')	X	
4A	L	2	6/9/05 1230	MCW-3 (8-13')	X	

COOLER TEMPERATURE:

MATRIX S=SOIL; L=LIQUID; SL=SLUDGE; A-AIR; W=WIPE; P=PAINT CHIPS; B=BULK MATERIAL
TYPE G=GRAB; C=COMPOSITE, SS=SPLIT SPOON

TURNAROUND REQUIRED: NORMAL ☒ STAT ☐ BY / /

COMMENTS / INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)	DATE 6/10/05 TIME 5:02	PRINTED NAME Stephen Malinowski	RECEIVED BY LAB (SIGNATURE)	DATE 06/09/05 TIME 5:02	PRINTED NAME J GRAY
RELINQUISHED BY (SIGNATURE)	DATE TIME	PRINTED NAME	RECEIVED BY LAB (SIGNATURE)	DATE TIME	PRINTED NAME

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

AMERICAN ANALYTICAL LABORATORIES, LLC
56 TOLEDO STREET
FARMINGDALE, NEW YORK 11735
TELEPHONE: (631) 454-6100 FAX: (631) 454-8027

DATA REPORTING QUALIFIERS

For reporting results, the following "Results Qualifiers" are used:

Value	If the result is greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
J	Indicates an estimated value. The flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3ug/L was calculated report as 3J. This flag is used when similar situations arise on any organic parameter i.e. Pesticide, PCBs and others.
B	Indicates the analyte was found in the blank as well as the sample report "10B".
E	Indicates the analytes concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide / PCB target analyte when there is >25% difference for detected concentrations between the two GC Columns. The higher of the two values is reported on Form I and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
H	Indicates sample was received and/or analyzed outside of The method allowable holding time

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	MCW-1 [2'-7']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 9:00:00 AM
Lab ID:	0506094-01A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Carbon tetrachloride	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Chlorobenzene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Chlorodifluoromethane	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Chloroethane	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Chloroform	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Chloromethane	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
cis-1,2-Dichloroethene	970	20		µg/L	20	6/16/2005 12:09:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Dibromochloromethane	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Dibromomethane	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Dichlorodifluoromethane	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Diisopropyl ether	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Ethanol	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Ethyl acetate	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Ethylbenzene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Freon-114	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Hexachlorobutadiene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Isopropyl acetate	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Isopropylbenzene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
m,p-Xylene	U	2.0		µg/L	1	6/12/2005 11:53:00 PM
Methyl tert-butyl ether	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Methylene chloride	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Naphthalene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
n-Butyl acetate	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
n-Butylbenzene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
n-Propyl acetate	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
n-Propylbenzene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
o-Xylene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
p-Diethylbenzene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
p-Ethyltoluene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
sec-Butylbenzene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Styrene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
t-Butyl alcohol	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
tert-Butylbenzene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Tetrachloroethene	4100	20		µg/L	20	6/16/2005 12:09:00 AM
Toluene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Trichloroethene	210	1.0		µg/L	1	6/12/2005 11:53:00 PM
Trichlorofluoromethane	U	1.0		µg/L	1	6/12/2005 11:53:00 PM
Vinyl acetate	U	1.0		µg/L	1	6/12/2005 11:53:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	MCW-1 [2'-7']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 9:00:00 AM
Lab ID:	0506094-01A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	U	1.0		µg/L	1	6/12/2005 11:53:00 PM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Discreet MCW-1 [10'-15']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 9:15:00 AM
Lab ID:	0506094-02A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		SW8260B				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
2-Butanone	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
2-Hexanone	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Acetone	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Acrolein	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Acrylonitrile	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Benzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Bromobenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Bromochloromethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Bromodichloromethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Bromoform	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Bromomethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Carbon disulfide	U	1.0		µg/L	1	6/13/2005 12:25:00 AM

Qualifiers:

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Discreet MCW-1 [10'-15']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 9:15:00 AM
Lab ID:	0506094-02A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Carbon tetrachloride	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Chlorobenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Chloroethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Chloroform	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Chloromethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
cis-1,2-Dichloroethene	210	1.0		µg/L	1	6/13/2005 12:25:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Dibromochloromethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Dibromomethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Diisopropyl ether	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Ethanol	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Ethyl acetate	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Ethylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Freon-114	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Isopropyl acetate	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Isopropylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
m,p-Xylene	U	2.0		µg/L	1	6/13/2005 12:25:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Methylene chloride	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Naphthalene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
n-Butyl acetate	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
n-Butylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
n-Propyl acetate	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
n-Propylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
o-Xylene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Styrene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Tetrachloroethene	420	1.0		µg/L	1	6/13/2005 12:25:00 AM
Toluene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Trichloroethene	140	1.0		µg/L	1	6/13/2005 12:25:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	6/13/2005 12:25:00 AM
Vinyl acetate	U	1.0		µg/L	1	6/13/2005 12:25:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	Discreet MCW-1 [10'-15']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 9:15:00 AM
Lab ID:	0506094-02A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	U	1.0		µg/L	1	6/13/2005 12:25:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	MCW-3 [2'-7']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 11:00:00 AM
Lab ID:	0506094-03A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
2-Butanone	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
2-Hexanone	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Acetone	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Acrolein	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Acrylonitrile	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Benzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Bromobenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Bromochloromethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Bromodichloromethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Bromoform	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Bromomethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Carbon disulfide	U	1.0		µg/L	1	6/13/2005 12:57:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	MCW-3 [2'-7']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 11:00:00 AM
Lab ID:	0506094-03A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Carbon tetrachloride	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Chlorobenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Chloroethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Chloroform	7.8	1.0		µg/L	1	6/13/2005 12:57:00 AM
Chloromethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Dibromochloromethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Dibromomethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Diisopropyl ether	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Ethanol	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Ethyl acetate	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Ethylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Freon-114	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Isopropyl acetate	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Isopropylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
m,p-Xylene	U	2.0		µg/L	1	6/13/2005 12:57:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Methylene chloride	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Naphthalene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
n-Butyl acetate	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
n-Butylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
n-Propyl acetate	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
n-Propylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
o-Xylene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Styrene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Tetrachloroethene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Toluene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Trichloroethene	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	6/13/2005 12:57:00 AM
Vinyl acetate	U	1.0		µg/L	1	6/13/2005 12:57:00 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	MCW-3 [2'-7']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 11:00:00 AM
Lab ID:	0506094-03A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	U	1.0		µg/L	1	6/13/2005 12:57:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	MCW-2 [8'-13']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 12:30:00 PM
Lab ID:	0506094-04A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
VOLATILES SW-846 METHOD 8260		**SW8260B**				Analyst: **LDS**
1,1,1,2-Tetrachloroethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,1,1-Trichloroethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,1,2,2-Tetrachloroethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,1,2-Trichloro-1,2,2-trifluoroethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,1,2-Trichloroethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,1-Dichloroethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,1-Dichloroethene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,1-Dichloropropene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2,3-Trichlorobenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2,3-Trichloropropane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2,4,5-Tetramethylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2,4-Trichlorobenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2,4-Trimethylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2-Dibromo-3-chloropropane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2-Dibromoethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2-Dichloroethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,2-Dichloropropane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,3,5-Trimethylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,3-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,3-dichloropropane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
1,4-Dichlorobenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
2,2-Dichloropropane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
2-Butanone	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
2-Chloroethyl vinyl ether	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
2-Chlorotoluene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
2-Hexanone	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
4-Chlorotoluene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
4-Isopropyltoluene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
4-Methyl-2-pentanone	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Acetone	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Acrolein	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Acrylonitrile	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Benzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Bromobenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Bromochloromethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Bromodichloromethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Bromoform	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Bromomethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Carbon disulfide	U	1.0		µg/L	1	6/13/2005 1:30:00 AM

Qualifiers:

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	MCW-2 [8'-13']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 12:30:00 PM
Lab ID:	0506094-04A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Carbon tetrachloride	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Chlorobenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Chlorodifluoromethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Chloroethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Chloroform	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Chloromethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
cis-1,2-Dichloroethene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
cis-1,3-Dichloropropene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Dibromochloromethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Dibromomethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Dichlorodifluoromethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Diisopropyl ether	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Ethanol	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Ethyl acetate	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Ethylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Freon-114	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Hexachlorobutadiene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Isopropyl acetate	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Isopropylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
m,p-Xylene	U	2.0		µg/L	1	6/13/2005 1:30:00 AM
Methyl tert-butyl ether	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Methylene chloride	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Naphthalene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
n-Butyl acetate	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
n-Butylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
n-Propyl acetate	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
n-Propylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
o-Xylene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
p-Diethylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
p-Ethyltoluene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
sec-Butylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Styrene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
t-Butyl alcohol	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
tert-Butylbenzene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Tetrachloroethene	42	1.0		µg/L	1	6/13/2005 1:30:00 AM
Toluene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
trans-1,2-Dichloroethene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
trans-1,3-Dichloropropene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Trichloroethene	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Trichlorofluoromethane	U	1.0		µg/L	1	6/13/2005 1:30:00 AM
Vinyl acetate	U	1.0		µg/L	1	6/13/2005 1:30:00 AM

Qualifiers:

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American Analytical Laboratories, LLC.

Date: *21-Jun-05*

CLIENT:	CA Rich Consultants Inc.	**Client Sample ID:**	MCW-2 [8'-13']
Lab Order:	0506094	**Tag Number:**	5548
Project:	421 13th St. Manhattan, N.Y.	**Collection Date:**	6/9/2005 12:30:00 PM
Lab ID:	0506094-04A **Date Received:** 6/9/2005	**Matrix:**	LIQUID

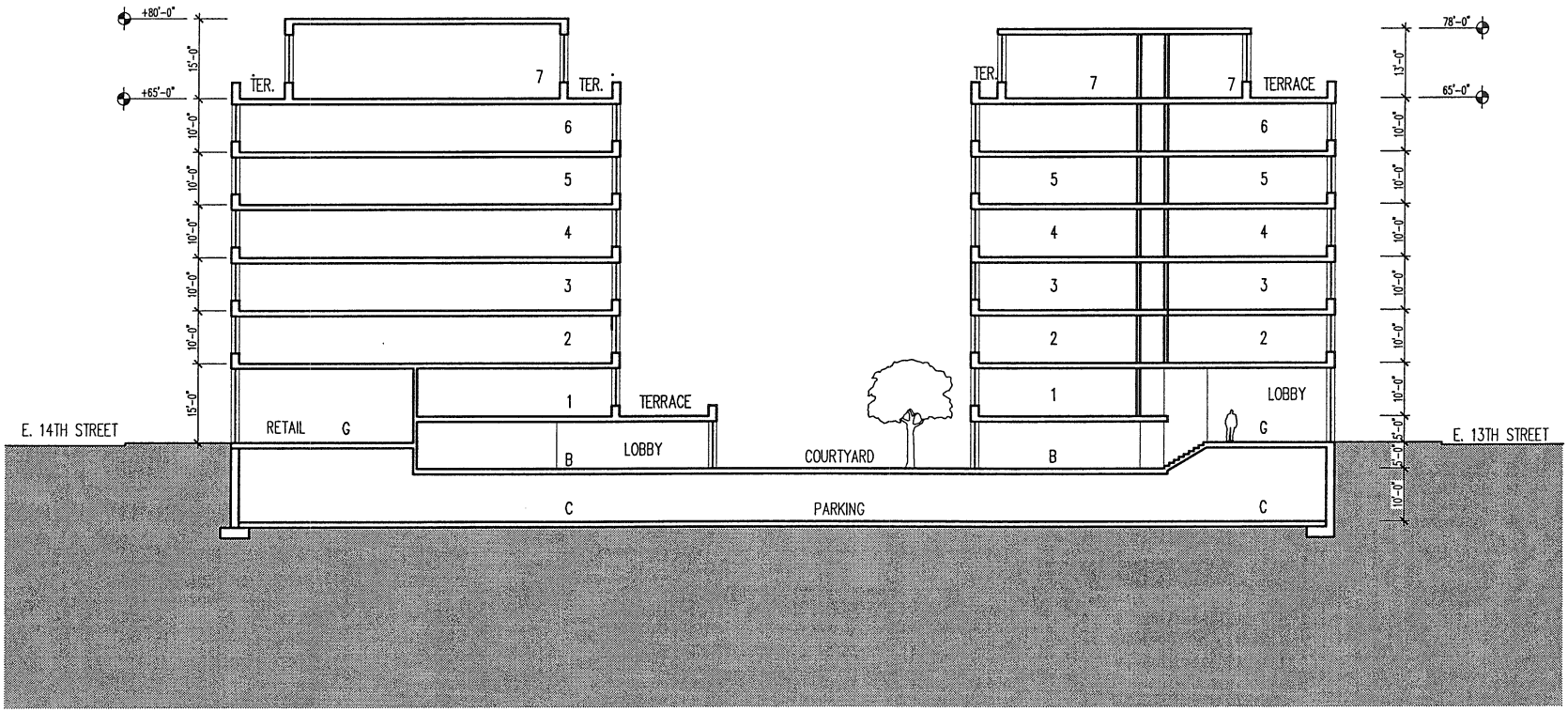
Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
Vinyl chloride	U	1.0		µg/L	1	6/13/2005 1:30:00 AM

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits	U	Indicates the compound was analyzed for but not detecte

Appendix C

Profile Schematic of Proposed Building

CLUB EAST



CETRA/RUDDY INCORPORATED
584 BROADWAY
NEW YORK, NEW YORK
10012
TEL 212 941 9801
FAX 212 941 9440

PROJECT NUMBER: 0515-425 EAST 13TH STREET
DRAWING TITLE: SECTION THROUGH LOBBY/STAIR
SCALE: 1/32"=1'-0"
DATE: 06.20.05

Appendix D

Quality Assurance Project Plan

Quality Assurance Project Plan

1.1 Introduction - The following Quality Assurance Project Plan ("QAPP") has been prepared specifically for the Investigation Work Plan and Interim Remedial Measure ("IRM") Work Plan at 421-433 East 13th Street and 420 East 14th Street located in New York, New York. This Plan was prepared and approved as stated below.

Prepared by: D. Shapiro Date: 6/27/05
Deborah Shapiro, Project Environmental Scientist

Approved by: Stephen Malinowski Date: 6/27/05
Stephen Malinowski, Project Manger

1.2 QAPP - Table of Contents

The following elements are included in this QAPP:

Title Page and Introduction

Table of Contents

Project Description

Project Organization

Quality Assurance Objectives for Data Measurements

Sampling Procedure

Sample and Document Custody Procedures

Calibration Procedures and Frequency

Analytical Procedures

Data Reduction, Validation and Reporting

Internal Quality Control Checks

Performance and System Audits

Preventive Maintenance

Data Measurement Assessment Procedures

Corrective Action

Quality Assurance Reports and Management

1.3 Project Description - The Investigation Work Plan and IRM Work Plan subject to this QAPP have been prepared to address the following issues:

- Determine the nature and extent of the contamination at the subject Property;
- Obtain the necessary information needed to design an Interim Remedial Program for the Site; and,
- Implement an Interim Remedial Program for the Site compatible with demolition, site preparation, and redevelopment.

The investigative methods that will be used include Hollow Stem Auger drilling, including split spoon sampling and monitoring well installation, and monitoring well sampling. These are described in detail in the Investigation Work Plan and IRM Work Plan.

1.4 Project Organization – Mr. Stephen Malinowski will serve as the Project Manager (PM) and will be responsible for the overall scheduling and performance of all the NYSDEC-approved investigative and IRM activities.

Mr. Jason Cooper will serve as the Quality Assurance Officer (QAO) for this project. His duties will include:

- Review of laboratory data packages
- Interface with laboratory
- Performance of Field Audits

Experienced CA RICH staff will perform and/or oversee completion of all of the field activities described in the Investigation Work Plan and IRM Work Plan.

1.5 Quality Assurance Objectives and Data Measurement – There are two sources of data collection methodology that will provide data information during this Remedial Investigation and IRM.

Field Screening - Organic vapor readings will be recorded from the head space of soil samples. This data is intended to be used only as a screening tool. To meet these goals, clean sampling tools will be used for each head space measurement and the PID will be calibrated at the beginning of each screening day on-site.

Chemical Analysis – All environmental samples will delivered to a New York State-Certified laboratory contracted to CA RICH for chemical analysis of volatile organic compounds (VOCs). This data is intended to determine the nature and extent of contamination in soil and groundwater. The laboratory will follow the NYSDEC – Analytical Services Protocol dated 1995. All samples will be analyzed for VOCs (Halogenated only) using USEPA Method 8021 and NYSDEC ASP Category B deliverables. All samples will be placed in iced-filled coolers and delivered to the laboratory by CA RICH within 48 hours of collection.

Quality assurance objectives are generally defined in terms of five parameters:

- **Representativeness -** Representativeness is the degree to which sampling data accurately and precisely represents site conditions, and is dependent on sampling and analytical variability. The Investigation Work Plan and IRM Work Plan have been designed to assess the presence of the constituents in the target media at the time of sampling. The Plans

present the rationale for sample quantities and location. The Work Plans also present field sampling methodologies and laboratory analytical methodologies.

The use of the prescribed field and laboratory analytical methods with associated holding times and preservation requirements are intended to provide representative data. Further discussion of QC checks is presented in Section 1.11.

- **Comparability** - Comparability is the degree of confidence with which one data set can be compared to another data set. Comparability between this investigation and IRM, and to the extent possible, with existing data will be maintained through consistent sampling and analytical methodology set forth in the QAPP; the Investigation Work Plan and IRM Work Plan; the NYSDEC ASP analytical methods (1995) with NYSDEC ASP QA/QC requirements (1995); and through use of QA/QC procedures and appropriately trained personnel.

- **Completeness -** Completeness is defined as a measure of the amount of valid data obtained from an event and/or remedial action compared to the amount that was expected to be obtained under normal conditions. This will be determined upon assessment of the analytical results, as discussed in Section 1.12.

- **Precision -** Precision is the measure of reproducibility of sample results. The goal is to maintain a level of analytical precision consistent with the objectives of the Work Plans. To maximize precision, sampling and analytical procedures will be followed. All work for the investigation phase of this project will adhere to established protocols presented in the QAPP, Investigation Work Plan, and IRM Work Plan. Checks for analytical precision will include the analysis of matrix spike duplicated, laboratory duplicates, and field duplicates. Checks for field measurement precision will include obtaining duplicate field measurements. Further discussion of precision QC checks is provided in Section 1.11.

- **Accuracy** - Accuracy is the deviation of a measurement from the true value of a known standard. Both field and analytical accuracy will be monitored through initial and continuing calibration of instruments. In addition, internal standards, matrix spikes, blank spikes, and surrogates (system monitoring compounds) will be used to assess the accuracy of the laboratory analytical data. Further discussion of these QC samples is provided in Section 1.11.

1.6 Sampling Procedures - The sampling procedures that will be employed are discussed in detail in the Investigation Work Plan and IRM Work Plan.

1.7 Sample and Document Custody Procedures

- **General** - The Chain-of-Custody program allows for the tracing of possession and handling of the sample from its time of collection through its chemical analysis in the laboratory. The chain-of-custody program at this site will include:

  - Sample labels
  - Chain-of-Custody records
  - Field records

- **Sample Labels** - To prevent misidentification of samples, a label will be affixed to the sample container and will contain the following information:

  - Site Name
  - Sample identification number
  - Date and time of collection
  - Name of Sampler
  - Preservation (if any)
  - Type of analysis to be conducted.

- **Chain-of-Custody Records** - To establish the documentation necessary to trace sample possession from the time of collection, a chain-of-custody record (sample attached) will be filled out and will accompany samples at all times. The record will contain the following information:

  - Project name:
  - Printed name and signature of samplers
  - Sample number
  - Date and time of collection
  - Sampling location
  - Number of containers for each sample
  - Signature of individuals involved in sample transfer (when relinquishing and accepting samples)
  - Inclusive dates and times of possession.

- **Field Records** - Field records will be maintained during each sampling effort in a logbook. All aspects of sample collection, handling and visual observations will be recorded. All sample collection equipment, field analytical equipment and equipment utilized to make physical measurements will be identified in the field logbook.

  All calculations, results and calibration data for field sampling, field analytical and field physical measurement equipment will also be recorded in the field logbook. Entries will be dated and initialed. Entries will be made in ink, and will be legible.

1.8 Calibration Procedures and Frequency - The contracted laboratory will follow the NYSDEC Category-B requirements for equipment calibration procedures and frequency.

The QA Officer will be responsible for ensuring that the Field PID is calibrated at the beginning of each day of field sampling using calibration gas supplied by the manufacturer. A log of the meter calibration will be kept in the filed logbook.

1.9 Analytical Procedures - All laboratory analysis will be for VOCs (Halogenated only) via EPA Method 8021 and will follow NYSDEC ASP (1995) protocols with Category B deliverables. The following samples will be collected for QA/QC purposes: 1 trip blank, 1 field blank, 1 duplicate samples, 1 matrix spike, and 1 matrix spike duplicate. A qualified data validator will review the laboratory data and a Data Usability Summary Report (DUSR) will be prepared.

1.10 Data Reduction, Validation and Reporting

- **Field Data** - All field data recorded in logbooks or on log sheets will be evaluated in the Office and transferred to word processor text by field personnel or clerical staff. PID readings will be included on the logs. The QAO and/or PM will review this data for accuracy and completeness. Typed boring logs will be prepared for all borings and monitoring wells.

- **Laboratory Data** - The laboratory will transfer the instrument readings to laboratory report forms. Ms. Renee Cohen will perform independent data validation of all analytical data using NYSDEC DUSR protocols.

  The data validator will provide CA RICH with a Data Validation Summary Report. The QAO will review the summary report as well as other field data and prepare a Data Usability Report. Both the Data Validation Summary Report and the Data Usability Report will be provided to NYSDEC.

  CA RICH will prepare summary tables of the validated analytical data using computer spreadsheet software. The data entries will be reviewed using the red check-green check method. All entries will be reviewed and entry errors will be marked in red ink. Once these entries are corrected, the printouts will be marked with green ink and placed in the project file.

1.11 Internal Quality Control Checks

Both field and laboratory quality control checks are proposed for this project. In the event that there are any deviations from these checks, the Project Manager and Quality Assurance Officer will be notified. The proposed field and laboratory control checks are discussed below.

Field Quality Control Checks

- **Field Measurements -** To verify the quality of data collected using field instrumentation, at least one duplicate measurement will be obtained per day and reported for all field analytical measurements.

- **Sample Containers -** Certified-clean sample containers will be supplied by the contracted laboratory.

- **Field Duplicates** – Field duplicates will be collected to check reproducibility of the sampling methods. Field duplicates will be prepared as discussed in the Investigation Work Plan and IRM Work Plan. In general, field duplicates will be analyzed at a five percent frequency (every 20 samples).

- **Field Rinse Blanks** – Field rinse blanks are used to monitor the cleanliness of the sampling equipment and the effectiveness of the cleaning procedures. Field rinse blanks will be prepared and submitted for analysis during this investigation. Field rinse blanks will be prepared by filling sample containers with analyte-free water (supplied by the laboratory), which has been routed through a cleaned sampling device.

- **Trip Blanks** – Trip blanks will be used to assess whether site samples have been exposed to non-site-related volatile constituents during storage and transport. Trip blanks will be analyzed at a frequency of once per day, and will be analyzed for volatile organic constituents. A trip blank will consist of a container filled with analyte-free water (supplied by the laboratory), which remains unopened with field samples throughout the sampling event. Trip blanks will only be analyzed for volatile organic constituents.

1.12 Performance and Systems Audits

Performance and systems audits will be completed in the field and the laboratory during the remedial action phase of this project as described below.

- **Field Audits –** CA RICH's Project Manager and Quality Assurance Officer will monitor field performance and field meter calibrations to verify that measurements are taken according to established protocols. The Project Manager will review all field logs. In addition, the Project Manager and the Quality Assurance Officer will review the field rinse and trip blank data to identify potential deficiencies in field sampling and cleaning procedures.

- **Laboratory Audits** – The contracted laboratory will perform internal audits consistent with NYSDEC ASP (1995).

1.13 Preventive Maintenance

Preventive maintenance schedules have been developed for both field and laboratory instruments. A summary of the maintenance activities to be performed is presented below.

- **Field Instruments and Equipment -** Prior to any field sampling, each piece of field equipment will be inspected to assure it is operational. If the equipment is not operational, it must be serviced prior to use. All meters which require charging or batteries will be fully charged or have fresh batteries. If instrument servicing is required, it is the responsibility of the field personnel to follow the maintenance schedule and arrange for prompt service.

- **Laboratory Instruments and Equipment -** The laboratory will document Laboratory instrument and equipment procedures. Documentation includes details of any observed problems, corrective measure(s), routine maintenance, and instrument repair (which will include information regarding the repair and the individual who performed the repair).

  Preventive maintenance of laboratory equipment generally will follow the guidelines recommended by the manufacturer. A malfunctioning instrument will be repaired immediately by in-house staff or through a service call from the manufacturer.

1.14 Data Assessment Procedures

The analytical data generated during the Investigation Work Plan and IRM Work Plan will be evaluated with respect to precision, accuracy, and completeness. The procedures utilized when assessing data precision, accuracy, and completeness are presented below.

- **Data Precision Assessment Procedures -** Field precision is difficult to measure because of temporal variations in field parameters. However, precision will be controlled through the use of experienced field personnel, properly calibrated meters, and duplicate field measurements. Field duplicates will be used to assess precision for the entire measurement system including sampling, handling, shipping, storage, preparation and analysis.

  Laboratory data precision for organic analyses will be monitored through the use of matrix spike duplicate sample analyses. For other parameters, laboratory data precision will be monitored through the use of field duplicates and/or laboratory duplicates.

The precision of data will be measured by calculation of the standard deviation (SD) and the coefficient of variation (CV) of duplicate sample sets. The SD and CV are calculated for duplicate sample sets by:

$$SD = (A-B)/1.414$$
$$CV = SD/((A+B)/2) = 1.414(A-B)/(A+B)$$

Where:

A = Analytical result from one of two duplicate measurements
B = Analytical result from the second measurement.

Where appropriate, A and B may be either the raw measurement or an appropriate mathematical transformation of the raw measurement (e.g., the logarithm of the concentration of a substance).

Alternately, the relative percent difference (RPD) can be calculated by the following equation:

$$RPD = \frac{(A-B)}{(A+B)/2} \times 100$$

$$RPD = 1.414\ (CV)(100)$$

- **Data Accuracy Assessment Procedures -** The accuracy of field measurements will be controlled by experienced field personnel, properly calibrated field meters, and adherence to established protocols. The accuracy of field meters will be assessed by review of calibration and maintenance logs.

  Laboratory accuracy will be assessed via the use of matrix spikes, surrogate spikes, and internal standards. Where available and appropriate, QA performance standards will be analyzed periodically to assess laboratory accuracy. Accuracy will be calculated as a percent recovery as follows:

$$Accuracy = \frac{A-X}{B} \times 100$$

  Where:

  A = Value measured in spiked sample or standard
  X = Value measured in original sample
  B = True value of amount added to sample or true value of standard

  This formula is derived under the assumption of constant accuracy over the original and spiked measurements. If any accuracy calculated by this formula is outside of the acceptable levels, data will be evaluated to determine whether the deviation represents unacceptable accuracy, or variable, but acceptable accuracy. Accuracy objectives for matrix spike recoveries and surrogate recovery objectives are identified in the NYSDEC, ASP (1995).

- **Data Completeness Assessment Procedures -** Completeness of a field or laboratory data set will be calculated by comparing the number of samples collected or analyzed to the proposed number.

$$\text{Completeness} = \frac{\text{No. Valid Samples Collected or Analyzed}}{\text{No. Proposed Samples Collected or Analyzed}} \times 100$$

As general guidelines, overall project completeness is expected to be at least 90 percent. The assessment of completeness will require professional judgment to determine data usability for intended purposes.

1.15 Corrective Action

Corrective actions are required when field or analytical data are not within the objectives specified in this QAPP, or the Investigation Work Plan and IRM Work Plan. Corrective actions include procedures to promptly investigate, document, evaluate, and correct data collection and/or analytical procedures. Field and laboratory corrective action procedures for this project are described below.

- **Field Procedures** - When conducting the investigative fieldwork, if a condition is noted that would have an adverse effect on data quality, corrective action will be taken so as not to repeat this condition. Condition identification, cause and corrective action implemented will be documented as a memo to the project file and reported to the Project Manager.

  Examples of situations, which would require corrective actions, are provided below:

  - Protocols as defined by the QAPP, the Investigation Work Plan and IRM Work Plan have not been followed;
  - Equipment is not in proper working order or properly calibrated;
  - QC requirements have not been met; and
  - Issues resulting from performance or systems audits.

  Project field personnel will continuously monitor ongoing work performance in the normal course of daily responsibilities.

- **Laboratory Procedures -** In the laboratory, when a condition is noted to have an adverse effect on data quality, corrective action will be taken so as not to repeat this condition. Condition identification, cause and corrective action to be taken will be documented, and reported to the Quality Assurance Officer.

  Corrective action may be initiated, at a minimum, under the following conditions:

  - Specific laboratory analytical protocols have not been followed;
  - Predetermined data acceptance standards are not obtained;
  - Equipment is not in proper working order or calibrated;
  - Sample and test results are not completely traceable;
  - QC requirements have not been met; and
  - Issues resulting from performance or systems audits.

  Laboratory personnel will continuously monitor ongoing work performance in the normal course of daily responsibilities.

1.16 Quality Assurance Reports and Management

- **Internal Reporting -** The analytical laboratory will submit analytical reports using NYSDEC ASP (1995), Category B requirements. The analytical reports will be submitted to the data validator for review. Supporting data (i.e., historic data, related field or laboratory data) will also be reviewed to evaluate data quality, as appropriate. The Quality Assurance Officer will incorporate results of data validation reports (if any) and assessments of data usability into a summary report. This report will be filed in the project file and will include the following:

    - Assessment of data accuracy, precision, and completeness for field & laboratory data;
    - Results of the performance and systems audits;
    - Significant QA/AC problems, solutions, corrections, and potential consequences;
    - Analytical data validation report; and
    - Data usability report.

- **Reporting** - The Investigation Report and IRM Report will contain a separate QA/QC section summarizing the quality of data collected and/or used as appropriate to the project DQOs. The Quality Assurance Officer will prepare the QA/QC summaries using reports and memoranda documenting the data assessment and validation.

CHAIN OF CUSTODY

ACCUTEST Laboratories

2235 Route 130, Dayton NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
Accutest Quote #	Accutest Job #

Client / Reporting Information

Company Name

Address

City State Zip

Project Contact E-mail

Phone #

Sampler's Name

Project Information

Project Name

Street

City State

Project #

Fax #

Client Purchase Order #

Requested Analysis

624 ☐ 8021 ☐ 602 ☐ PAUG ☐
MTBE ☐ TBA ☐ NAP ☐ PALG ☐

8260 ☐ 624 ☐ TCL ☐ PPL ☐ STARS ☐ MTBE ☐
BTEX ☐ TBA ☐ NAP ☐ +10 ☐ +15 ☐

8270 ☐ 625 ☐ TCL ☐ PPL ☐ STARS ☐
ABN ☐ BN ☐ PAH ☐ PADF ☐ +TICs ☐

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

LAB USE ONLY

Accutest Sample #	Field ID / Point of Collection	SUMMA # / MEOH Vial #	Collection: Date	Collection: Time	Sampled By	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	NaHSO4	MEOH	ENCORE

Turnaround Time (Business Days)

☐ Std. 15 Business Days — Approved By: / Date:
☐ 10 Day *RUSH*
☐ 5 Day *RUSH*
☐ 3 Day *EMERGENCY*
☐ 2 Day *EMERGENCY*
☐ 1 Day *EMERGENCY*
☐ Other

Emergency & Rush T/A data available VIA LabLink

Data Deliverable Information

☐ Commercial "A"
☐ Commercial "B"
☐ NJ Reduced
☐ NJ Full
☐ Other _____
☐ FULL CLP
☐ NYASP Category A
☐ NYASP Category B
☐ State Forms
☐ EDD Format _____

Commercial "A" = Results Only

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
1		1	2		2
Relinquished by:	Date Time:	Received by:	Relinquished by:	Date Time:	Received by:
3		3	4		4
Relinquished by:	Date Time:	Received by:	Custody Seal #	Preserved where applicable ☐	On Ice ☐ Cooler Temp.
5		5			

Appendix E

Health & Safety & Community Air Monitoring Plan

HEALTH AND SAFETY PLAN
&
COMMUNITY AIR MONITORING PLAN

FOR THE
INVESTIGATION WORK PLAN
AND
INTERIM REMEDIAL MEASURES WORK PLAN
AT
"Club East"
421-433 East 13th Street and 420 East 14th Street
New York, New York

1.0 INTRODUCTION

This Health and Safety Plan (HASP) is developed for implementation during the planned investigation and IRM activities at "Club East", 421-433 E. 13th Street 420 E. 14th Street, New York, New York (the Site). The HASP is to be enforced by the Project Health and Safety Manager and on-site Health & Safety Coordinator (HSC). The on-site HSC will interface with the Project Manager and is vested with the authority to make field decisions including the termination of on-site activities if an imminent health and safety hazard, condition or related concern arises. Information and protocol in the HASP is applicable to all on-site personnel who will be entering the work zone.

2.0 POTENTIAL HAZARDS

2.1 Chemical Hazards

On-site testing performed to date indicates the primary class of compounds detected in soils and groundwater underlying the Site to be chlorinated volatile organic compounds (VOCs) and, in particular perchloroethene (PCE).

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

Physical properties and additional toxicological information is included in Appendix A.

2.2 Other Health and Safety Risks

The **HASP** addresses the environmentally-related chemical hazards identified on the Site. Normal physical hazards associated with using drilling equipment and hand tools as well as hazards associated with adverse climatic conditions (heat & cold) also exist and represent a certain degree of risk to be assumed by on-site personnel.

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

3.0 RISK MANAGEMENT

3.1 Work / Exclusion Zones

For each proposed investigation and IRM activity dealing with soils containing elevated levels of PCE (eg. monitoring wells, sampling locations, excavation, de-watering), a work / exclusion zone will be established within a radius of approximately 25 feet surrounding the activity. Access to this area will be limited to properly trained, properly protected personnel directly involved with the on-site activities. Enforcement of the work / exclusion zone boundaries is the responsibility of the on-site Health and Safety Coordinator.

3.2 Personnel Protection

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

A – Fully encapsulating suit, SCBA, hard hat, chemcial-resistant steel-toed boots, boot covers, inner and outer gloves.

B – One-piece, hooded chemical-resistant splash suit, SCBA, hard hat, chemcial-resistant steel-toed boots, boot covers, inner and outer gloves.

C – One-piece, hooded chemical-resistant splash suit, hard hat, canister equipped face mask, chemcial-resistant steel-toed boots, boot covers, inner and outer gloves.

D – Work clothes, hard hat (optional), work boots/shoes, gloves (as needed).

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

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

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

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

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

3.3 Air Monitoring

The Health & Safety Coordinator or his properly trained assignee will conduct “Real Time” air monitoring for total organic vapor and total particulates. 'Real-time' monitoring refers to the utilization of instrumentation, which yields immediate measurements. The utilization of real time monitoring helps determine immediate or long-term risks to on-site personnel and the general public, the appropriate level of personnel respiratory protection necessary, and actions to mitigate the recognized hazard. Air monitoring will be conducted in accordance with NYSDOH's Community Air Monitoring Program.

3.3.1. Particulate Monitoring

a. Instrumentation

Dust particulates in air will be monitored using a light scattering technique MINIRAM Model PDM-3 Miniature Real-time Aerosol Monitor (MINIRAM) or equivalent. The MINIRAM is capable of measuring airborne dust particles within the range of 10 to 100,000 micrograms per cubic meter ($\mu g/m^3$).

b. Application

Dust monitoring will occur at regular intervals excavation work activities. Monitoring will be conducted in upgradient and downgradient locations, relative to prevailing wind direction) along the perimeter of the work zone. The HSC or his designee will perform monitoring. As outlined in the NYSDOH Community Air Monitoring Plan, if particluate levels in the downwind location are 150 mg/m^3 greater than those measured in the upwind location, dust suppression techniques shall be employed.

3.3.2 Organic Vapor

a. Instrumentation

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

b. Application

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

3.4 Worker Training

Personnel overseeing the excavation of the contaminated soil will be trained, fit-tested, and medically certified (OSHA 29 CFR 1910. 134). This includes the Health & Safety Coordinator or his/her properly trained assignee.

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

The HSC will be available to address project-related health & safety issues a site worker (such as an equipment operator or laborer) may have regarding the site conditions. Once an issue is brought to the HCS's attention, he or she will evaluate the issue and apply the procedures outlined in this Health & Safety Plan.

3.5 General Safety Practices

All project personnel shall follow the following safety practices:

1. Avoid unnecessary skin exposure to subsurface materials. Long-sleeved shirts tucked into long pants (or coveralls), work gloves, and steel-toe leather work boots are required unless modified gear is approved by the HSC. Remove any excess residual soil from clothes prior to leaving the site.

2. No eating, drinking, gum or tobacco chewing, or smoking allowed in designated work areas. Thoroughly wash hands prior to these activities outside the work area. Avoid sitting on the ground during breaks or while eating and drinking. Thoroughly wash all exposed body areas at the end of the workday.

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

3.6 Enforcement

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

3.7 Reporting and Recordkeeping

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

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

4.0 EMERGENCIES

4.1 EMERGENCY RESPONSE SERVICES

(1)	**HOSPITAL** Beth Israel Medical Center 10 Union Square East, New York, NY (See Figure 1 for Map Route)	**(212) 844-8000**
(2)	**AMBULANCE**	**911**
(3)	**FIRE DEPARTMENT** **HAZARDOUS MATERIAL**	**911**
(4)	**POLICE DEPARTMENT**	**911**
(5)	**POISON CONTROL CENTER**	**(800) 222-1222**

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

4.2 EMERGENCY PROCEDURES

4.2.1 Contact or Exposure to Suspected Hazardous Materials

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

4.2.2 Personnel Decontamination, First Aid, and Fire Protection

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

4.2.3 Ingress/egress

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

5.0 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring, for volatile compounds and particulate levels at the perimeter of the work area is necessary. This plan includes the following:

- Volatile organic compounds must be monitored at the downwind perimeter of the work area on a continuous basis. If total organic vapor levels exceed 5 ppm above background, work activities must be halted and monitoring continued under the provisions of a Vapor Emission Response Plan. All readings must be recorded and be available for State (DEC & DOH) personnel to review.

- Particulates should be continuously monitored upwind, downwind and within the work area at temporary particulate monitoring stations during excavation activities. If the downwind particulate level is 150 $\mu g/m^3$ greater than the upwind particulate level, then dust suppression techniques must be employed. All readings must be recorded and be available for State (DEC & DOH) personnel to review.

Vapor Emission Response Plan

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

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

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

Major Vapor Emission

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

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

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

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

Major Vapor Emission Response Plan

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts as listed in the Health and Safety Plan of the Work Plan will go into effect.

2. The local police authorities will immediately be contacted by the Safety Officer and advised of the situation.

3. Frequent air monitoring will be conducted at 30 minutes intervals within the 20 Foot Zone. If two successive readings below action levels are measured, air monitoring may be halted or modified by the Safety Officer.

6.0 HEALTH AND SAFETY PLAN REFERENCES

1. American Conference Governmental Industrial Hygienists, 1989; Threshold Limit Values And Biological Exposure Indices, 111 Pp.

2. Geoenvironmental Consultants, Inc.; 1987; Safety & Operations At Hazardous Materials Sites

3. NIOSH Guide To Chemical Hazards, 1985, US Department Of Health And Human Services, Centers For Disease Control

4. US Department Of Labor Occupational Safety & Health Administration, 1989; Hazardous Waste Operations And Emergency Response Interim Final Rule, 29 CFR Part 1910

5. Sax, N. I. Dangerous Properties Of Industrial Materials; © 1984