



K-PLUS ENGINEERING

LIMITED PHASE II ESA - SUBSURFACE INVESTIGATION

Residential Building & Auto Repair Garage
568-576 E. 115th Street
Chicago, Illinois 60628
Cook County



Prepared for:

Barnes & Thornburg LLP
On behalf of:
Chicago Family Health Center

April 20, 2011

CERTIFICATION

To the best of my knowledge and belief this investigation and evaluation have been performed in conformance with all applicable legal requirements and accepted practices prevailing in the environmental consulting industries. The personnel who performed the investigation are properly licensed and certified in accordance with the requirements of federal, state, and local laws, rules and regulations.

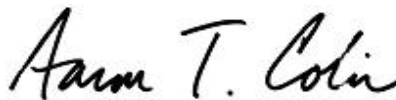
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Sincerely,
K-PLUS ENGINEERING, LLC



Jessica Madsen
Sr. Project Manager



Aaron Colin
Sr. Project Manager



Daniel M. Caplice, P.E.

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1.0 INTRODUCTION

On Tuesday, April 12, 2011, K-Plus Engineering, LLC (K-Plus) conducted a Limited Phase II Environmental Site Assessment - Subsurface Investigation of the residential and commercial property located at 568-576 E. 115th Street in Chicago, Cook County, Illinois (Subject Property). The Subject Property was performed in conjunction with two Phase I Environmental Site Assessments of the sites located at 568-576 and 580 E. 115th Street in Chicago. The Phase I identified a history of use as an automotive repair garage at 570 E. 115th Street and a large, industrial facility to the south occupied by Sherwin-Williams. At the time of the investigation the site was occupied by BJ's Auto Repair.

In order to evaluate the subsurface soils, a total of seven (7) soil borings were advanced to a depth of 12 feet below ground surface (bgs). Analytical testing of the soil samples included: volatile organic compounds (VOCs) including benzene-toluene-ethylbenzene-xylenes (BTEX), RCRA total metals, and polynuclear aromatic hydrocarbons (PNAs). This document outlines the investigation activities that were completed by K-Plus at the Subject Property to determine if the historic use of the Subject Property has adversely impacted the subsurface soil.

The weather conditions at the time of the inspection were sunny with a temperature of approximately 50 degrees Fahrenheit (°F). As a tool in preparing this report and documenting the conditions encountered at the property, copies of all supporting documents that were relied upon during this project have also been included as appendices in this report.

2.0 SUBJECT PROPERTY

The Subject Property is located near the northwest corner of E. 115th Street and S. St Lawrence Avenue specifically at 560-576 E. 115th Street in Chicago, Cook County, Illinois (Figure 1).

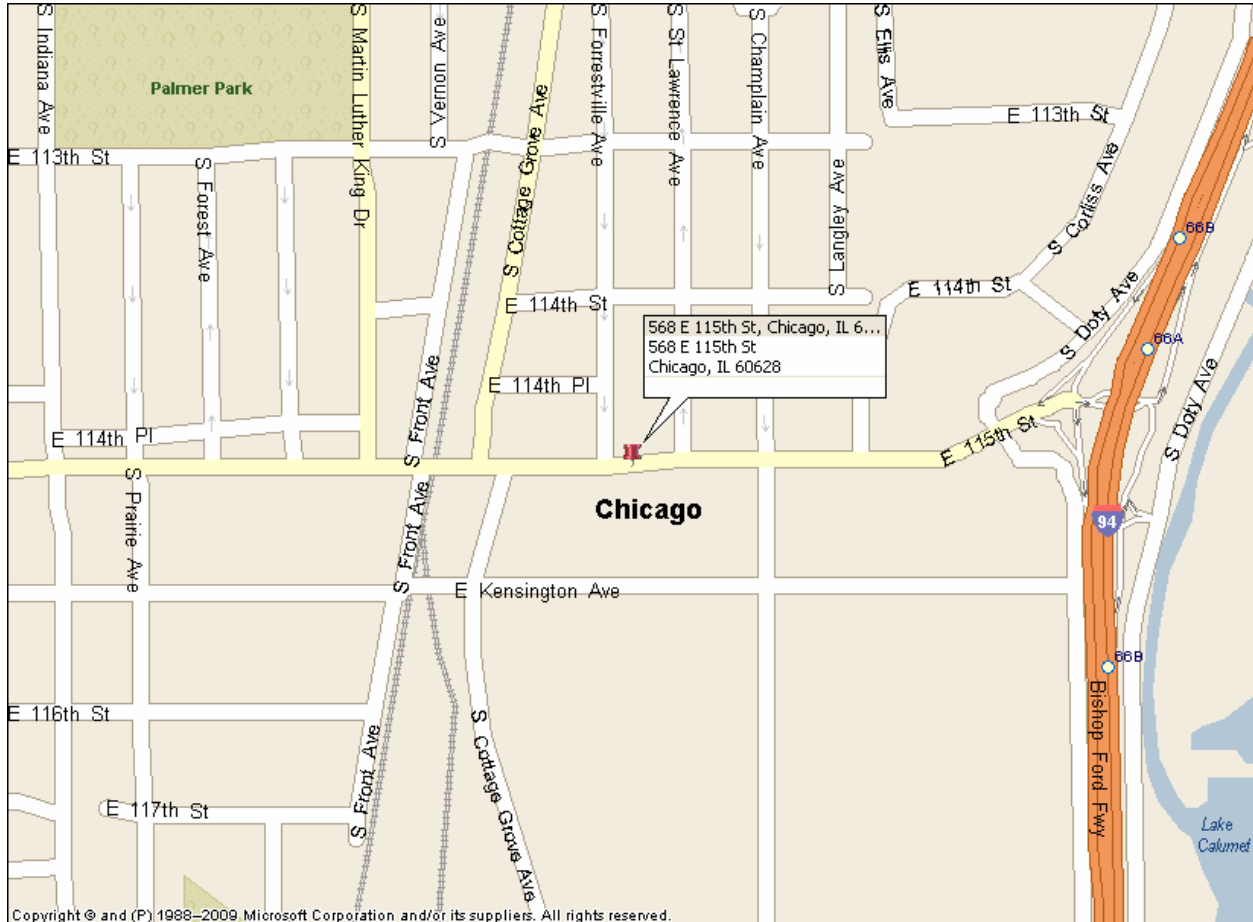


Figure 1 – Site Location Map

2.2 Site Features

The Subject Property measures approximately 10,900 square feet (ft²) and is currently developed with a partial two-story residential building that measures approximately 3,428 ft². The building is of brick masonry structure on a poured concrete foundation with a partial and unfinished basement. An approximate 2,000 ft² auto repair garage building was also on the property, the garage was a masonry structure on a poured concrete foundation with a partial basement that connected to the basement under the residential building. Sidewalks and an asphalt paved parking lot surround the building at the Subject Property. According to historical research, the Subject Property was developed with the current building in approximately 1923 and prior to that, the Subject Property was undeveloped land.

The residential interior space was noted as finished with the following: floors were finished with carpeting, wood floor, linoleum and 12" vinyl floor tiles; the interior walls were painted drywall; the ceilings were finished with painted drywall or ceiling tiles; and incandescent lighting was noted used throughout the building.

The interior of the auto garage was also largely unfinished, with exposed floors, walls, and exposed wood truss ceilings. A small office in the garage was noted as finished with wood flooring, plaster walls, and incandescent lighting.

The Subject Property uses natural gas supplied by People's Gas for the Subject Property's heating system. Commonwealth Edison provides electricity to the building. According to the site contact, the building is connected to the City of Chicago water and sewer systems.

2.3 Surrounding Area

The Subject Property is located in a mixed use area. Specifically, the Subject Property is bounded on the **north** by a public alley, followed by a residential subdivision; on the **east** by residential building, followed by S. St Lawrence Avenue and then by a restaurant property; on the **west** by a parking lot and then by a commercial building; and on the **south** by E. 115th Street followed by a large industrial facility operated by Sherwin-Williams (Figure 2).



Figure 2 – Site and Surrounding Area (Aerial 2010)

2.4 Topography

In general, the topography of the Subject Property is relatively flat, with no discernible elevation changes. According to the United States Geological Survey 7.5 Minute Series Topographic Map of Lake Calumet, Illinois Quadrangle (1997), the Subject Property lies at a relative surface elevation of approximately 590 feet above mean sea level. Surficial and near surface groundwater is expected to flow in an easterly direction, towards Lake Calumet, which is located approximately ½ mile to the east of the Subject Property. Regional groundwater flow in the area, is also expected to flow in an easterly direction, towards Lake Michigan, which is the nearest significant surface body of water (Figure 3).

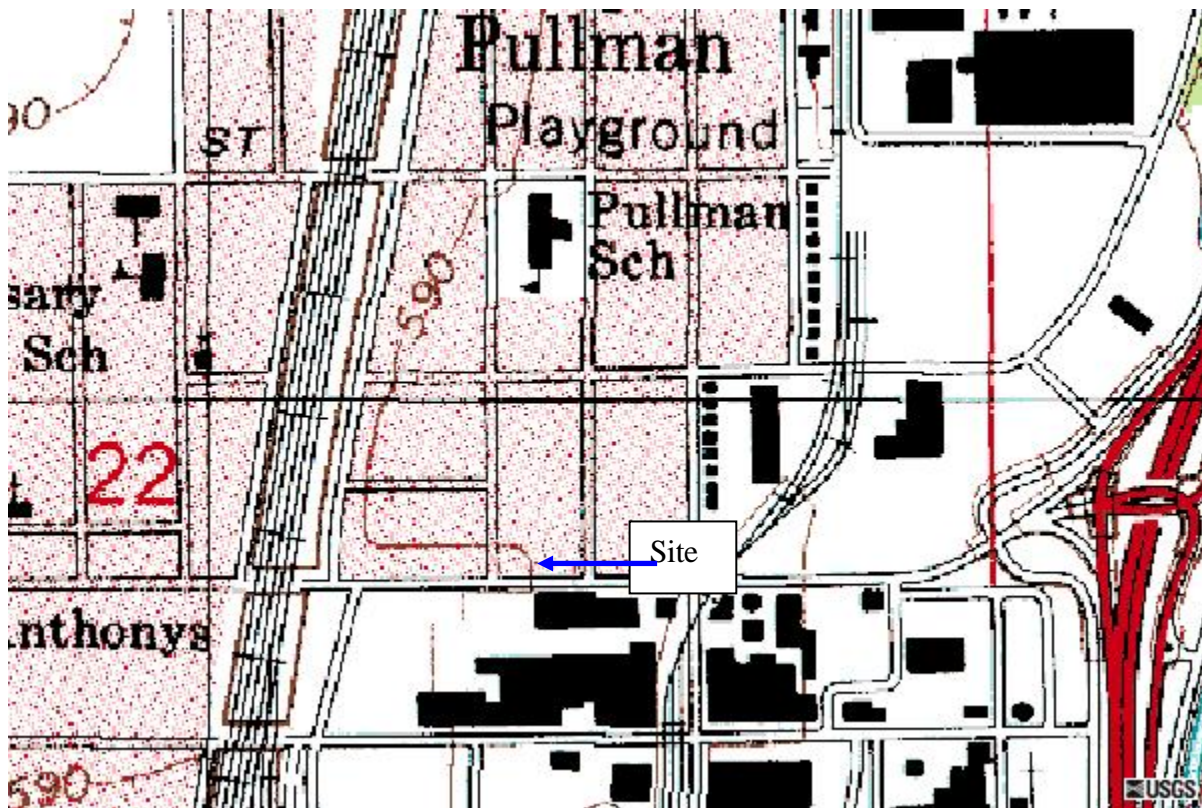


Figure 3 – Topographic Map

2.5 Site Geology

Field observations made during the drilling activities indicated that the subsurface geology at the Subject Property was dominated by brown or gray clayey soils. Specifically, the investigator noted that soils directly below the surface were dominated with native clay materials. From 4 to 8 feet bgs (below ground surface) soils were dominated by tan to gray clay, followed by stiff gray clayey soil, which was identified to a depth of approximately 12 feet (maximum boring termini). Groundwater was not encountered. Copies of the boring logs, including the geologic conditions and field observations made during the subsurface assessment, are included in Appendix 2.

Limited Phase II ESA - Subsurface Investigation

568-576 E. 115th Street
Chicago, Cook County, Illinois 60628

K-Plus also consulted the following geological maps: *Potential for Contamination of Shallow Aquifers by Land Burial of Municipal Wastes*; and *Potential for Contamination of Shallow Aquifers by Surface and Near-Surface Waste Disposal*. These maps were constructed by the Illinois State Geological Survey to describe and map geologic materials to a depth of 50 feet throughout the state. In these maps, various geologic materials were differentiated by thickness, texture, permeability, and stratigraphic position in order to rate their relative contamination potential for aquifers in any area of the state.

According to the Berg Map, the regional geologic materials in the area are designated as type as an “E”-type soil (Figure 4). An “E” classification is described as uniform, relatively impermeable silty and clayey diamictons greater than 50 feet in thickness, with no evidence of interbedded sand and gravel.

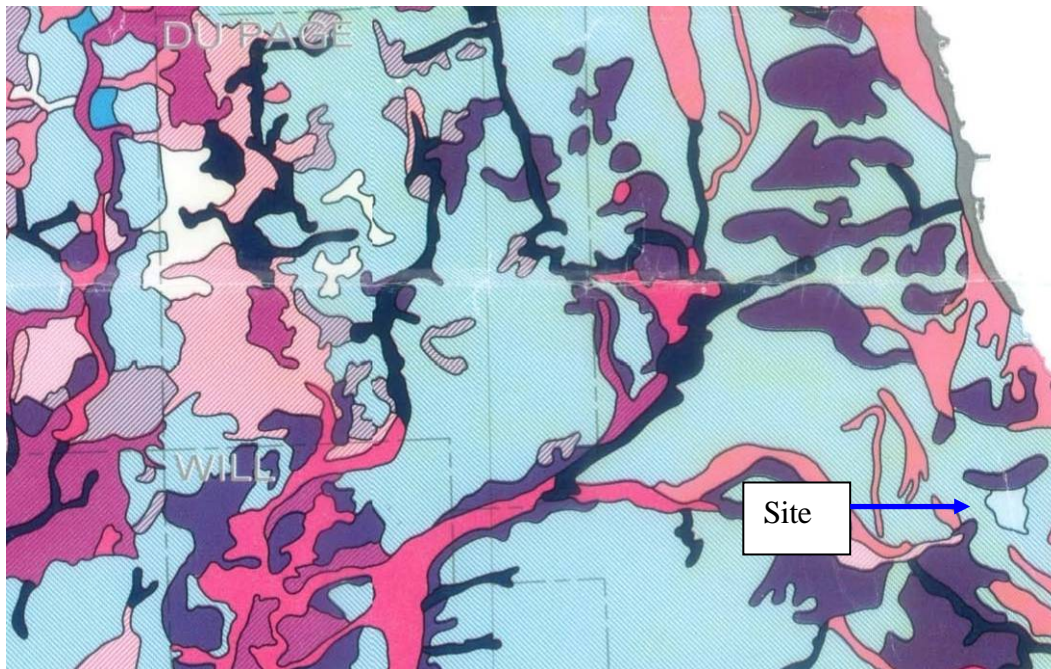


Figure 5 – Berg Map

Field observations of borings advanced at the Subject Property during this investigation revealed shallow fill followed by clay to a depth of approximately 12 feet below grade level. The field observations were consistent with geological map findings.

3.0 SITE HISTORY

As part of the investigation of this property, K-Plus conducted a Phase I Environmental Site Assessment, dated April 18, 2011. At the time of the inspection the property was occupied by a vacant residential building and BJ's Auto Repair. Based on the findings and observations made during the ESA, K-Plus identified the following recognized environmental conditions (RECs).

- The first REC is the historic use of the auto garage and current condition of the property due to such use, including the poor handling practices of hazardous materials. K-Plus noted staining throughout several areas of the garage and asphalt lot on the site.
- The second REC is the historic use and known environmental contamination of the Sherwin-Williams paint manufacturing facility to the south of the Subject Property across E. 115th Street. Sherwin-Williams have operated a manufacturing facility at that location for approximately 100 years and are listed on numerous environmental databases, including the CERCLIS, RCRA-TSDF, UST, and LUST databases. Based on historic Sanborn maps, the Sherwin-Williams site produced and housed paint, varnish, mineral spirits, and lead. K-Plus requested records from the Illinois Environmental Protection Agency (IEPA) regarding the environmental history and clean-up at the Sherwin-Williams site. As of the date of the report, no records had been returned. The long-term use of the facility for production and storage of hazardous materials containing VOCs and lead, and the potential for contaminant migration onto the Subject Property, constitutes a REC.

This Limited Phase II Subsurface Investigation was voluntarily conducted in conjunction with the Phase I ESA in an attempt to obtain further information about the property condition.

4.0 METHODS AND EQUIPMENT

All borings were completed under the direct supervision of a K-Plus inspector who was on-site during all field work to coordinate the drillers, choose appropriate environmental boring locations and sample depths, collect and screen soil samples, and log the geologic characteristics of each borehole. All drilling work was performed in accordance with applicable provisions of the American Society of Testing Materials (ASTM) standards for environmental and geotechnical drilling, which specify the techniques used for sampling and drilling.

4.1 Drilling

All drilling was completed with a truck-mounted Geoprobe drill rig equipped with a Macro-Core[®] continuous-core sampler. The Geoprobe uses both static and dynamic percussion forces to advance various sampling apparatus to retrieve core samples. The Macro-Core[®] is a solid barrel, open steel tube that is four feet long, has an inside diameter of 2¼ inches, and is equipped with a four foot plastic liner for sample collection. The use of sample liners greatly reduces the chance of cross contamination between samples and provides better sample recovery. The details of each boring were recorded on separate logs which contain the following information for each borehole:

- Lithology description for each change in stratum, and the level of each change;
- relative moisture content of each sample interval;
- length of sample recovery from every four feet of Macro-Core[®] sample;
- presence of any water and the level at which it was encountered;
- presence of contamination by field screening; and
- depth of the sample collection.

4.2 Field Screening and Sample Selection

In accordance with ASTM standards and in order to identify soil contamination, the on-site geologist determined the geologic lithology, and constructed a profile of each soil column from the continuous soil samples which were collected using a four foot Macro-Core[®] sampler at four foot intervals from surface level to the boring terminus. Undisturbed soil samples from each Macro-Core[®] were visually classified in the field according to the Unified Soil Classification System (USCS). The characteristics of each sample such as color, odor, texture, relative moisture, sediment type, or disturbance was immediately recorded in the test boring log.

All soil samples recovered during the fieldwork were field screened for the presence of contamination by visual and olfactory assessment, and evaluation using a photo-ionization detector (PID). All field screening observations were recorded on the respective boring logs along with the geologic data.

During the fieldwork, all individual Macro-Core[®] soil samples were immediately placed in sample containers and were labeled to identify the boring location, sample depth, and sample number.

Generally, the soil sample from each boring which exhibits the greatest degree of contamination in the field is submitted for laboratory analysis. This methodology is useful when attempting to identify and characterize contamination in a specific area. In certain instances, multiple soil samples may be collected in order to better delineate the vertical extent of contamination. The first sample is collected from the most contaminated material in order to characterize the contamination and determine the concentrations of the specific contaminants, while the other samples are collected from other depths to assist in approximating the vertical extent of the contamination.

In instances where groups of borings from a specific areas of concern exhibit similar evidence of contamination (i.e. similar odor, similar discoloration pattern, etc.), soil samples from the individual borings were selected to provide the most information regarding the extent of contamination in that area. For example, when applicable, at least one soil sample is collected from the most grossly contaminated material in order to establish the types and concentrations of contaminants present. Soil samples from adjacent borings in the same area are often collected from below the obviously contaminated material in an attempt to approximate the vertical extent of the contamination in that area. This approach is effective in establishing the nature and approximate extent of contamination while conserving analytical costs.

4.3 Sample Preservation and Laboratory Analysis

At least one soil sample from each soil boring was selected for laboratory testing. Soil was packed "air tight" and placed into specially prepared glass sample jars equipped with Teflon lined lids for VOCs. Soil samples to be analyzed for VOCs were collected using a 5 gram soil syringe sampling tool. The 5 grams of soil were then immediately transferred to one 40 milliliter (mL) vial containing sodium hydrogen sulfate (NaHSO₄) or Methanol preservatives. Each sample jar or 40 mL vial container was then labeled with a unique sample number to identify the sample's location, boring number, sample depth and date of collection. All samples were immediately preserved in a cooler until receipt by the laboratory for analysis. All samples were transferred to STAT Analysis Corporation (STAT) located in Chicago, Illinois under strict chain-of-custody procedures for analysis of VOCs according to standard United States Environmental Protection Agency (U.S. EPA) methodologies. All analytical testing was performed in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP). All samples were analyzed within established holding times, all quality control testing met U.S. EPA or laboratory criteria, except where noted in the case narrative or analytical report. No data were qualified by the laboratory. All samples were analyzed for the requested parameters; there is no missing data. Where data was questionable when checked by K-Plus personnel, the laboratory was requested to check the data, and if necessary, re-analyze the sample to ensure that the data were accurate. Data meets quality control criteria.

4.4 Decontamination

In order to ensure that no cross-contamination between soil sampling occurs, all non-dedicated sampling equipment was decontaminated after collection of each sample. Sampling equipment was scrubbed with a brush to remove loose material and then washed thoroughly with a laboratory grade detergent and water to remove all particulate matter and surface film. After washing, each piece was rinsed with clean tap water. Dedicated sampling equipment such as plastic scoops, spoons and latex gloves were disposed of after the handling of each sample was complete. Field equipment such as the water level, pH meter and temperature/conductivity meter were rinsed with distilled water between samples.

5.0 SOIL INVESTIGATION FINDINGS

In order to evaluate the subsurface soils, a total of seven (7) soil borings were advanced to a depth of 12 feet bgs at selected areas of the Subject Property. Soil borings (B01 through B07) were performed to determine if the operations at the property, both current and historic, had negative impacts to the subsurface.

5.1 Field Observations

During the field activities, each borehole was evaluated for contaminants using visual and olfactory methods. Field observations indicated that evidence of staining was noted in several borings at the Subject Property. However, olfactory observations did not note significant evidence of contamination.

K-Plus continuously monitored soil borings using a photoionization detector (PID). PID readings ranged from 0.0 to 2.1 parts per million (ppm), with the highest reading found in the soil collected from B04 at 4 feet bgs. Samples for PID analysis were collected from every four foot interval of each boring. The soil borings advanced at the Subject Property revealed subsurface soils that were dominated by soft to firm clayey soils. All borings ended at 12 feet bgs in stiff gray clay. Detailed boring logs documenting geologic notes and observations made by the K-Plus geologist are included in Appendix 2.

5.2 Soil Analytical Results

K-Plus collected at least one (1) soil sample from each soil boring. Samples were taken from intervals that exhibited the highest PID reading, or showed evidence of staining. Additional samples were taken in locations to help delineate any potential contamination that may have been found in the other samples.

For the purposes of this assessment, all soil analytical results were compared to the most stringent Tier I Soil Remediation Objectives (SROs) for residential properties identified in Section 35 Illinois Administrative Code (IAC) Part 742 – Tiered Approach to Corrective Action Objectives (TACO). In general, the SROs outlined in TACO are subdivided into three primary exposure pathways, including the soil ingestion, soil inhalation, and soil component of the groundwater ingestion exposure route (SCGIER). Illinois TACO also has prepared a table (Table G) which outlines inorganic contamination limits that may be typically found in metropolitan areas or areas where inorganic contamination could be naturally occurring. K-Plus compared analytical results to this table.

5.2.1 Tier 1 Ingestion Exposure Route

Soil analytical data available from the site was compared to the Tier 1 residential SROs for the ingestion exposure pathway. This comparison indicated that concentration of benzo(a)pyrene in soil sample locations B01 and B03 exceeded the Tier 1 ingestion remediation objective for residential properties however, it does not exceed the industrial/commercial objectives nor the Tier 1 construction worker ingestion objective for industrial/commercial properties. Also total lead concentrations exceed the residential soil remediation objective but not the industrial/commercial objectives. The following table illustrates those sampling points where COCs were found above Tier 1 ingestion SROs.

Constituent of Concern	Soil Boring / Sampling Location	Sample Depth (ft.)	Detected Concentration (mg/kg)	Residential Ingestion Remediation Objectives (mg/kg)	I/C Ingestion Remediation Objectives – Construction Worker (mg/kg)
Benzo(a)pyrene	B01	6'	0.56	0.09	17
Arsenic	B03	3'	21	13/11	61
Lead	B03	3'	480	400	700

K-Plus will propose an engineered barrier in the form of an asphalt and/or concrete cap to prevent potential exposure to the concentrations of COCs above Tier 1 cleanup objectives for ingestion found within three feet of land surface.

5.2.2 Tier I Inhalation Exposure Route

Soil analytical data for the site were compared to the Tier I residential SROs for the soil inhalation exposure pathway. This comparison indicated that concentrations of mercury in soil sample location B03 does not exceed the Tier I inhalation remediation objective for residential properties. The concentration of mercury in soil sample B03 exceeded the Tier I inhalation remediation objective for construction worker inhalation value which is more stringent.

Constituent of Concern	Soil Boring Location	Sample Depth (ft.)	Maximum Detected Concentration (ppm)	Residential Inhalation Remediation Objectives (ppm)
Mercury	B03	3'	0.81	10/0.1 (cw)

K-Plus will propose an engineered barrier in the form of an asphalt and/or concrete cap to prevent potential exposure to the concentrations of COCs above Tier 1 cleanup objectives for inhalation and a construction worker safety notice to prevent potential exposure to the concentrations of COCs above Tier 1 construction worker cleanup objectives for inhalation.

5.2.3 Tier I Soil Component of the Groundwater Ingestion Exposure Route (SCGIER)

Soil analytical results for the site were compared to Tier I SROs for the Soil Component of the Groundwater Ingestion Exposure Route (SCGIER). This comparison indicated that none of the soil samples collected from the property exceeded this exposure route. No further evaluation of the SCGIER route is necessary.

Finally, K-Plus sampled along the southern edge of the property and analyzed for volatile organic compounds and lead in order to address the adjoining neighboring property to the south of the Subject Property, the Sherwin William property. No elevated levels of volatile contaminants or lead were noted at the depths tested on the Subject Property.

Tables of the soil laboratory analytical results are presented in Appendix 3 and laboratory data sheets are found in Appendix 4.

6.0 CONCLUSIONS

This investigation was conducted in order to determine the presence of VOC, PNA and RCRA metal contamination at the property located at 568-576 E. 115th Street in Chicago, Illinois based on former/current auto-repair operations and the neighboring Sherwin-Williams property to the south.

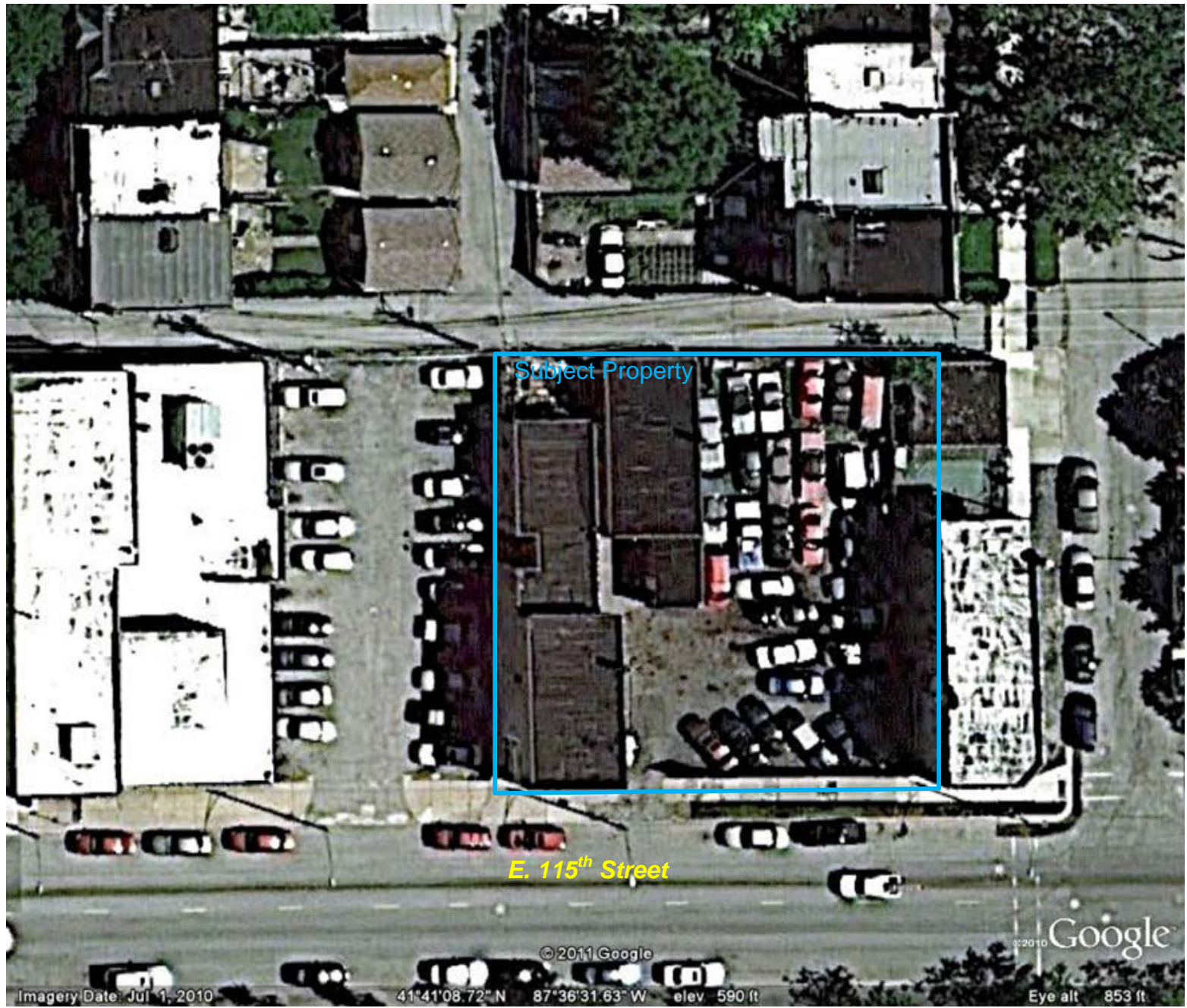
K-Plus identified a small area in the center of the parking lot with low level metal and PNA contamination in the shallow soil samples. No constituents above Tier 1 industrial/commercial soil remediation objectives and background levels were located in the borings nearest to the property boundaries. No elevated levels of VOCs or lead were identified on the southern edge of the Subject Property, indicating that contamination from the Sherwin-Williams site does not appear to have migrated north across 115th Street.

When compared to the Illinois TACO standards, the contamination on the Subject Property was found to be generally at or below objectives and/or background concentrations for industrial and commercial properties with the exception of the construction worker inhalation value exceedance of mercury in boring B03. The levels of benzo(a)pyrene, arsenic, and/or lead did exceed the objectives and background levels for residential properties in borings B03 and B06.

The contamination identified at this site may remain in place because it does not present an imminent and/or substantial endangerment to human health or the environment. Additionally, there is no rule or requirement that any further investigation or any remediation be implemented. However, in the event that the site is re-developed in the future, as per Illinois Public Act 096-1416 any excess soil generated from the site during construction activities, such as utility trenching or digging for foundations, would have to be certified as uncontaminated Clean Construction and Demolition Debris (CCDD) before it can be removed offsite. In the event that the soil cannot be certified as CCDD, it will need to be disposed of offsite as a contaminated special, or generator certified non-special waste. Additionally, K-Plus would recommend that an appropriate site safety plan be implemented to protect construction workers who may ultimately be in contact with this contaminant soil.

APPENDIX 1

DETAILED SITE FIGURES



ENVIRONMENTAL SERVICES

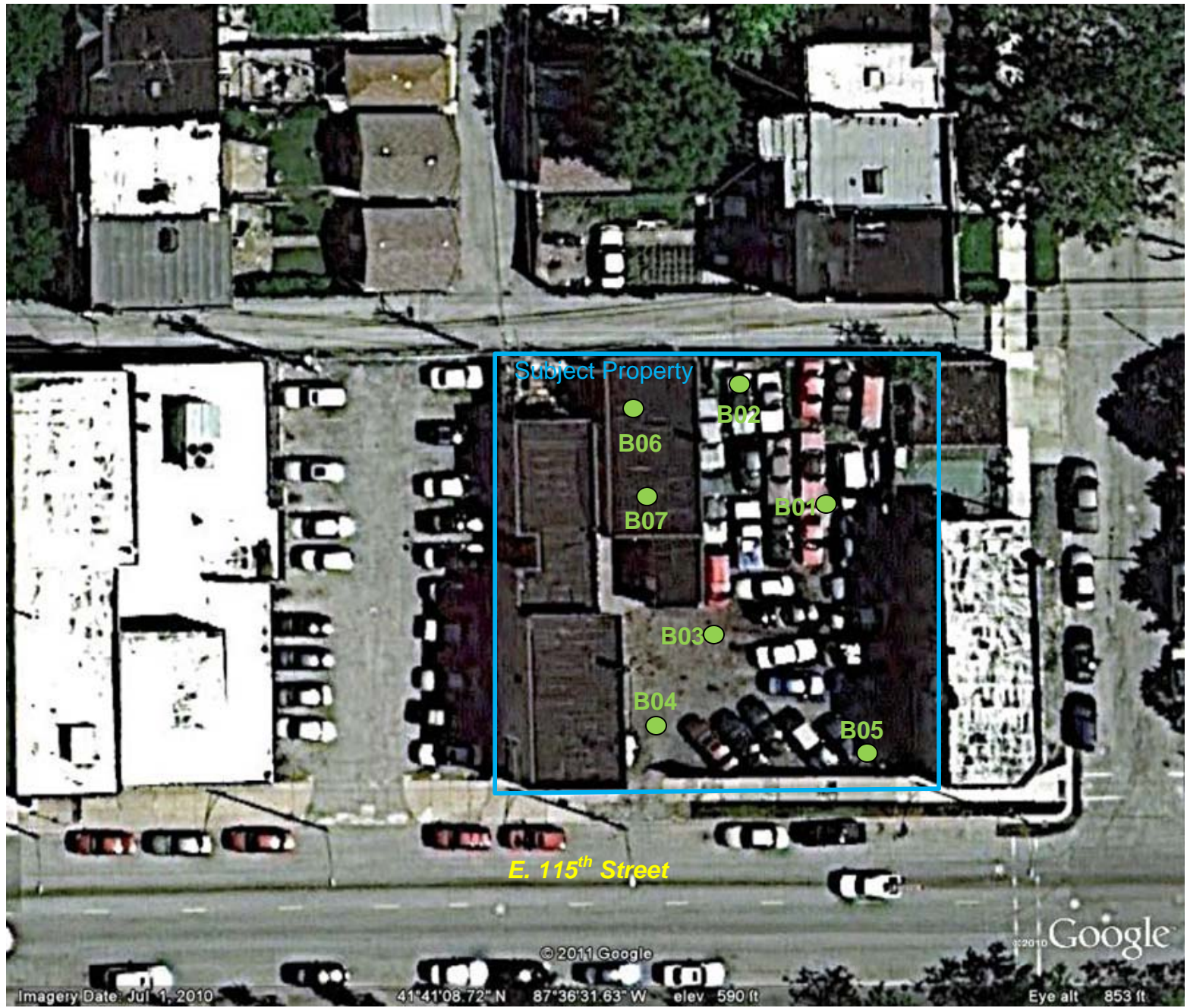
15 Spinning Wheel Rd. . SUITE 320 . Hinsdale, IL 60521
P 312.207.1600 . F 312.831.2191 . WWW.KPLUS.COM

Site Map
568-570 E. 115th Street
Chicago, Illinois

Date: April, 2011

Scale:

Document No. 21046 BaseMap.vsd








APPENDIX 2

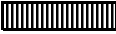
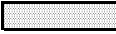






BORING LOGS

TEST BORING LOG

Suite 218
328 S. Jefferson Street
Chicago, IL 60661
312.207.1600

BORING / WELL NUMBER B01		PROJECT NUMBER 21046		PROJECT NAME		PROJECT LOCATION 568-576 E. 115th Street, Chicago, IL		
GEOLOGIST Aaron Colin				DRILLING CONTRACTOR Enviro-Dynamics, LLC				
DRILLING EQUIPMENT / METHOD Geoprobe Macro-Core			SIZE / TYPE OF BIT 1.5"		SAMPLING METHOD Macro-Core		START - FINISH DATE 4/12/11-4/12/11	
WELL INSTALLED? No	CASING MAT. / DIAMETER	SCREEN:	TYPE	MATERIAL	LENGTH	DIAMETER	SLOT SIZE	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM OF SCREEN	GW SURFACE	DATE

DEPTH	LAB SAMPLE	RECOVERY (%)	PID (ppm)	REMARKS	UNIFIED CLASS.	DESCRIPTION	GEO.	WELL CONST.
2		50	0	No Odor		Concrete Fill		
4			0			Stiff, Tan-Brown CLAY		
6	B01	70	0	No Odor		Soft CLAY		
8			0			Stiff, Gray CLAY		
10		100		No Odor				
12						EOB @ 12'		
14								
16								
18								
20								


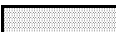






 CONCRETE	 SAND	 RISER
 FILL	 SILT	 SCREEN
 CLAY	 WATER DEPTH	

TEST BORING LOG

Suite 218
328 S. Jefferson Street
Chicago, IL 60661
312.207.1600

BORING / WELL NUMBER B02		PROJECT NUMBER 21046		PROJECT NAME		PROJECT LOCATION 568-576 E. 115th Street, Chicago, IL		
GEOLOGIST Aaron Colin				DRILLING CONTRACTOR Enviro-Dynamics, LLC				
DRILLING EQUIPMENT / METHOD Geoprobe Macro-Core			SIZE / TYPE OF BIT 1.5"		SAMPLING METHOD Macro-Core		START - FINISH DATE 4/12/11-4/12/11	
WELL INSTALLED? No	CASING MAT. / DIAMETER	SCREEN:	TYPE	MATERIAL	LENGTH	DIAMETER	SLOT SIZE	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM OF SCREEN	GW SURFACE	DATE







DEPTH	LAB SAMPLE	RECOVERY (%)	PID (ppm)	REMARKS	UNIFIED CLASS.	DESCRIPTION	GEO.	WELL CONST.
2		40		No Odor		Topsoil/Gravel Fill		
4	B02					Tan CLAY w/ Brown Streaks Soft Seam		
6		90		No Odor		Stiff, Tan CLAY		
8						Tan-Gray CLAY		
10		100		No Odor		Gray CLAY		
12						EOB @ 12'		
14								
16								
18								
20								

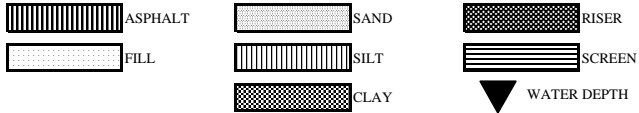
 CONCRETE	 SAND	 RISER
 FILL	 SILT	 SCREEN
 CLAY	 WATER DEPTH	

TEST BORING LOG

Suite 218
328 S. Jefferson Street
Chicago, IL 60661
312.207.1600






BORING / WELL NUMBER B03		PROJECT NUMBER 21046		PROJECT NAME		PROJECT LOCATION 568-576 E. 115th Street, Chicago, IL		
GEOLOGIST Aaron Colin				DRILLING CONTRACTOR Enviro-Dynamics, LLC				
DRILLING EQUIPMENT / METHOD Geoprobe Macro-Core			SIZE / TYPE OF BIT 1.5"		SAMPLING METHOD Macro-Core		START - FINISH DATE 4/12/11-4/12/11	
WELL INSTALLED? No	CASING MAT. / DIAMETER	SCREEN:	TYPE	MATERIAL	LENGTH	DIAMETER	SLOT SIZE	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM OF SCREEN	GW SURFACE	DATE

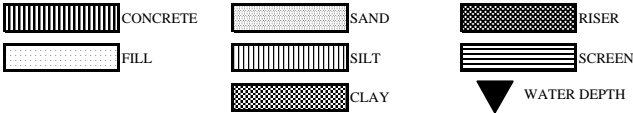
DEPTH	LAB SAMPLE	RECOVERY (%)	PID (ppm)	REMARKS	UNIFIED CLASS.	DESCRIPTION	GEO.	WELL CONST.
2	B03	60	1.1	No Odor		Asphalt		
						Fill		
4	B03	70	0.7	No Odor		Dark CLAY		
6						Black-Tan CLAY		
8		100	0	No Odor		Stiff, Tan CLAY w/ Dark Streaks		
10						Stiff, Gray CLAY		
12						EOB @ 12'		
14								
16								
18								
20								



TEST BORING LOG

Suite 218
328 S. Jefferson Street
Chicago, IL 60661
312.207.1600

BORING / WELL NUMBER B04		PROJECT NUMBER 21046		PROJECT NAME		PROJECT LOCATION 568-576 E. 115th Street, Chicago, IL		
GEOLOGIST Aaron Colin				DRILLING CONTRACTOR Enviro-Dynamics, LLC				
DRILLING EQUIPMENT / METHOD Geoprobe Macro-Core			SIZE / TYPE OF BIT 1.5"		SAMPLING METHOD Macro-Core		START - FINISH DATE 4/12/11-4/12/11	
WELL INSTALLED? No	CASING MAT. / DIAMETER	SCREEN:	TYPE	MATERIAL	LENGTH	DIAMETER	SLOT SIZE	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM OF SCREEN	GW SURFACE	DATE
DEPTH	LAB SAMPLE	RECOVERY (%)	PID (ppm)	REMARKS	UNIFIED CLASS.	DESCRIPTION	GEO.	WELL CONST.
2		50		No Odor		Asphalt Fill		
4	B04		2.1	Soil Staining		Black Silt Fill		
6		80	1.2	No Odor		Dark CLAY w/ Tan Streaks		
8			0.5			Stiff, Brown CLAY		
10		100	0.2	No Odor		Stiff, Gray CLAY		
12						EOB @ 12'		
14								
16								
18								
20								


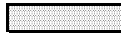








TEST BORING LOG

Suite 218
328 S. Jefferson Street
Chicago, IL 60661
312.207.1600

BORING / WELL NUMBER B05		PROJECT NUMBER 21046		PROJECT NAME		PROJECT LOCATION 568-576 E. 115th Street, Chicago, IL		
GEOLOGIST Aaron Colin				DRILLING CONTRACTOR Enviro-Dynamics, LLC				
DRILLING EQUIPMENT / METHOD Geoprobe Macro-Core			SIZE / TYPE OF BIT 1.5"		SAMPLING METHOD Macro-Core		START - FINISH DATE 4/12/11-4/12/11	
WELL INSTALLED? No	CASING MAT. / DIAMETER	SCREEN:	TYPE	MATERIAL	LENGTH	DIAMETER	SLOT SIZE	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM OF SCREEN	GW SURFACE	DATE


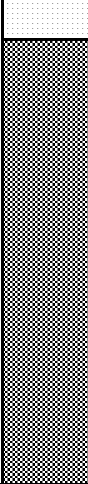
DEPTH	LAB SAMPLE	RECOVERY (%)	PID (ppm)	REMARKS	UNIFIED CLASS.	DESCRIPTION	GEO.	WELL CONST.
2		50		No Odor		Gravel Fill SAND		
4	B05		0.5					
6		80	0	No Odor		Tan-Brown CLAY Tan-Gray CLAY w/ Brown Streaks		
8						Stiff, Brown CLAY		
10		90	0	No Odor		Stiff, Gray CLAY		
12						EOB @ 12'		
14								
16								
18								
20								

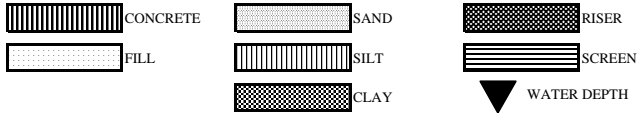
 CONCRETE	 SAND	 RISER
 FILL	 SILT	 SCREEN
 CLAY	 WATER DEPTH	

TEST BORING LOG

Suite 218
328 S. Jefferson Street
Chicago, IL 60661
312.207.1600

BORING / WELL NUMBER B06		PROJECT NUMBER 21046		PROJECT NAME		PROJECT LOCATION 568-576 E. 115th Street, Chicago, IL		
GEOLOGIST Aaron Colin				DRILLING CONTRACTOR Enviro-Dynamics, LLC				
DRILLING EQUIPMENT / METHOD Geoprobe Macro-Core			SIZE / TYPE OF BIT 1.5"		SAMPLING METHOD Macro-Core		START - FINISH DATE 4/12/11-4/12/11	
WELL INSTALLED? No	CASING MAT. / DIAMETER	SCREEN:	TYPE	MATERIAL	LENGTH	DIAMETER	SLOT SIZE	
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM OF SCREEN	GW SURFACE	DATE




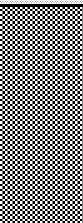
DEPTH	LAB SAMPLE	RECOVERY (%)	PID (ppm)	REMARKS	UNIFIED CLASS.	DESCRIPTION	GEO.	WELL CONST.
2	B06	50	0.3	No Odor		Concrete Fill		
4						Dark CLAY Tan-Brown CLAY Stiff CLAY		
6		80	0	No Odor				
8								
10		100	0	No Odor		Gray CLAY		
12						EOB @ 12'		
14								
16								
18								
20								

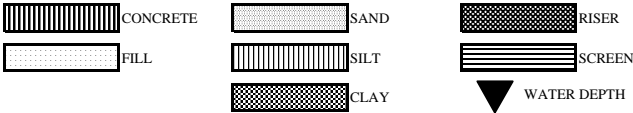


TEST BORING LOG

Suite 218
328 S. Jefferson Street
Chicago, IL 60661
312.207.1600

BORING / WELL NUMBER B07		PROJECT NUMBER 21046		PROJECT NAME		PROJECT LOCATION 568-576 E. 115th Street, Chicago, IL			
GEOLOGIST Aaron Colin				DRILLING CONTRACTOR Enviro-Dynamics, LLC					
DRILLING EQUIPMENT / METHOD Geoprobe Macro-Core			SIZE / TYPE OF BIT 1.5"		SAMPLING METHOD Macro-Core		START - FINISH DATE 4/12/11-4/12/11		
WELL INSTALLED?	CASING MAT. / DIAMETER	SCREEN:	TYPE	MATERIAL	LENGTH	DIAMETER	SLOT SIZE		
ELEVATION OF: (FT. ABOVE M.S.L.)		GROUND SURFACE		TOP OF WELL CASING		TOP & BOTTOM OF SCREEN		GW SURFACE	DATE

DEPTH	LAB SAMPLE	RECOVERY (%)	PID (ppm)	REMARKS	UNIFIED CLASS.	DESCRIPTION	GEO.	WELL CONST.
2		70		No Odor		Concrete Fill		
4	B07		0.2			Tan CLAY w/ Dark Streaks		
6		90	0	No Odor		SAND Layer		
8			0			Stiff, Gray CLAY		
10		100		No Odor				
12						EOB @ 12'		
14								
16								
18								
20								



APPENDIX 3

ANALYTICAL RESULT TABLES

Soil Results Table
 568-570 E. 115th Street
 Chicago, IL
 April 12, 2011

Laboratory ID : 11040439-001 11040439-002
 Client Sample ID : B01 B02
 Date Collected : 04/12/2011 08:30 04/12/2011 08:50

	CAS No.	Analyte	Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
			Ingestion	Inhalation	Class I	Class II	ADL	
			BTEX	71-43-2	Benzene	12	0.8	
	108-88-3	Toluene	16,000	650 / 42*	12	29	< 0.0051	
	100-41-4	Ethylbenzene	7,800	400 / 58*	13	19	< 0.0051	
	1330-20-7	Xylenes, Total	16,000	320 / 5.6*	150	150	< 0.015	
VOC	67-64-1	Acetone	70,000	100,000	25	25		
	71-43-2	Benzene	12	0.8	0.03	0.17		
	75-27-4	Bromodichloromethane	10	3,000	0.6	0.6		
	75-25-2	Bromoform	81	53	0.8	0.8		
	74-83-9	Bromomethane	110	10 / 3.9*	0.2	1.2		
	78-93-3	2-Butanone						
	75-15-0	Carbon disulfide	7,800	720	32	160		
	56-23-5	Carbon tetrachloride	5	0.3	0.07	0.33		
	108-90-7	Chlorobenzene	1,600	130 / 1.3*	1	6.5		
	75-00-3	Chloroethane						
	67-66-3	Chloroform	100	0.3	0.6	2.9		
	74-87-3	Chloromethane						
	124-48-1	Dibromochloromethane	1,600	1,300	0.4	0.4		
	75-34-3	1,1-Dichloroethane	7,800	1,300 / 130*	23	110		
	107-06-2	1,2-Dichloroethane	7	0.4	0.02	0.1		
	75-35-4	1,1-Dichloroethene	3,900	290 / 3.0*	0.06	0.3		
	156-59-2	cis-1,2-Dichloroethene	780	1,200	0.4	1.1		
	156-60-5	trans-1,2-Dichloroethene	1,600	3,100	0.7	3.4		
	78-87-5	1,2-Dichloropropane	9	15 / 0.50*	0.03	0.15		
	10061-01-5	cis-1,3-Dichloropropene	6.4	1.1 / 0.39*	0.004	0.02	0.005	
	10061-02-6	trans-1,3-Dichloropropene	6.4	1.1 / 0.39*	0.004	0.02	0.005	
	100-41-4	Ethylbenzene	7,800	400 / 58*	13	19		
	591-78-6	2-Hexanone						
	108-10-1	4-Methyl-2-pentanone						
	75-09-2	Methylene chloride	85	13	0.02	0.2		
	1634-04-4	Methyl tert-butyl ether	780	8,800 / 140*	0.32	0.32		
	100-42-5	Styrene	16,000	1,500 / 430*	4	18		
	79-34-5	1,1,2,2-Tetrachloroethane						
	127-18-4	Tetrachloroethene	12	11	0.06	0.3		
	108-88-3	Toluene	16,000	650 / 42*	12	29		
	71-55-6	1,1,1-Trichloroethane	---	1,200	2	9.6		
	79-00-5	1,1,2-Trichloroethane	310	1,800	0.02	0.3		
	79-01-6	Trichloroethene	58	5	0.06	0.3		
	75-01-4	Vinyl chloride	0.46	0.28	0.01	0.07		
	1330-20-7	Xylenes, Total	16,000	320 / 5.6*	150	150		

Soil Results Table
 568-570 E. 115th Street
 Chicago, IL
 April 12, 2011

Laboratory ID : 11040439-001 11040439-002
 Client Sample ID : B01 B02
 Date Collected : 04/12/2011 08:30 04/12/2011 08:50

	CAS No.	Analyte	Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values				
			Ingestion	Inhalation	Class I	Class II	ADL		
			PNA	83-32-9	Acenaphthene	4,700	---		
	208-96-8	Acenaphthylene					0.058	< 0.03	
	120-12-7	Anthracene	23,000	---	12,000	59,000	0.16	< 0.03	
	56-55-3	Benz(a)anthracene	0.9	---	2	8	0.57	< 0.03	
	50-32-8	Benzo(a)pyrene	0.09	---	8	82	0.56	< 0.03	
	205-99-2	Benzo(b)fluoranthene	0.9	---	5	25	0.55	< 0.03	
	191-24-2	Benzo(g,h,i)perylene					0.19	< 0.03	
	207-08-9	Benzo(k)fluoranthene	9	---	49	250	0.33	< 0.03	
	218-01-9	Chrysene	88	---	160	800	0.58	< 0.03	
	53-70-3	Dibenz(a,h)anthracene	0.09	---	2	7.6	0.079	< 0.03	
	206-44-0	Fluoranthene	3,100	---	4,300	21,000	1.1	< 0.03	
	86-73-7	Fluorene	3,100	---	560	2,800	0.079	< 0.03	
	193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	14	69	0.18	< 0.03	
	91-20-3	Naphthalene	1,600	170 / 1.8*	12	18	< 0.041	< 0.03	
	85-01-8	Phenanthrene					0.71	< 0.03	
	129-00-0	Pyrene	2,300	---	4,200	21,000	1.2	< 0.03	
INORG	7429-90-5	Aluminum						14000	
	7440-36-0	Antimony	31	---				< 2.3	
	7440-38-2	Arsenic	13.0/11.3	750				8.3	
	7440-39-3	Barium	5,500	690,000				54	
	7440-41-7	Beryllium	160	1,300				0.58	
	7440-43-9	Cadmium	78	1,800				< 0.57	
	7440-70-2	Calcium	---	---				30000	
	7440-47-3	Chromium	230	270				21	
	7440-48-4	Cobalt	4,700	---				9.3	
	7440-50-8	Copper	2,900	---				32	
	57-12-5	Cyanide	1,600	---				< 0.31	
	7439-89-6	Iron	---	---				23000	
	7439-92-1	Lead	400	---				19	
	7439-95-4	Magnesium	325,000	---				21000	
	7439-96-5	Manganese	1,600	69,000 / 8,700*				240	
	7439-97-6	Mercury	23	10 / 0.1*				0.031	
	7440-02-0	Nickel	1,600	13,000				32	
	7440-09-7	Potassium	---	---				2700	
	7782-49-2	Selenium	390	---				< 1.1	
	7440-22-4	Silver	390	---				< 1.1	
	7440-23-5	Sodium	---	---				120	
	7440-28-0	Thallium	6.3	---				< 1.1	
	7440-62-2	Vanadium	550	---				24	
	7440-66-6	Zinc	23,000	---				62	

* - Construction Worker Inhalation Objective from Appendix B, Table B.

Soil Results Table
 568-570 E. 115th Street
 Chicago, IL
 April 12, 2011

Laboratory ID : 11040439-003 11040439-004 11040439-005
 Client Sample ID : B03 B04 B05
 Date Collected : 04/12/2011 09:15 04/12/2011 09:45 04/12/2011 10:10

	CAS No.	Analyte	Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values			
			Ingestion	Inhalation	Class I	Class II	ADL	
BTEX	71-43-2	Benzene	12	0.8	0.03	0.17		< 0.0054
	108-88-3	Toluene	16,000	650 / 42*	12	29		< 0.0054
	100-41-4	Ethylbenzene	7,800	400 / 58*	13	19		< 0.0054
	1330-20-7	Xylenes, Total	16,000	320 / 5.6*	150	150		< 0.016
VOC	67-64-1	Acetone	70,000	100,000	25	25		< 0.099
	71-43-2	Benzene	12	0.8	0.03	0.17		< 0.0066
	75-27-4	Bromodichloromethane	10	3,000	0.6	0.6		< 0.0066
	75-25-2	Bromoform	81	53	0.8	0.8		< 0.0066
	74-83-9	Bromomethane	110	10 / 3.9*	0.2	1.2		< 0.013
	78-93-3	2-Butanone						< 0.099
	75-15-0	Carbon disulfide	7,800	720	32	160		< 0.066
	56-23-5	Carbon tetrachloride	5	0.3	0.07	0.33		< 0.0066
	108-90-7	Chlorobenzene	1,600	130 / 1.3*	1	6.5		< 0.0066
	75-00-3	Chloroethane						< 0.013
	67-66-3	Chloroform	100	0.3	0.6	2.9		< 0.0066
	74-87-3	Chloromethane						< 0.013
	124-48-1	Dibromochloromethane	1,600	1,300	0.4	0.4		< 0.0066
	75-34-3	1,1-Dichloroethane	7,800	1,300 / 130*	23	110		< 0.0066
	107-06-2	1,2-Dichloroethane	7	0.4	0.02	0.1		< 0.0066
	75-35-4	1,1-Dichloroethene	3,900	290 / 3.0*	0.06	0.3		< 0.0066
	156-59-2	cis-1,2-Dichloroethene	780	1,200	0.4	1.1		< 0.0066
	156-60-5	trans-1,2-Dichloroethene	1,600	3,100	0.7	3.4		< 0.0066
	78-87-5	1,2-Dichloropropane	9	15 / 0.50*	0.03	0.15		< 0.0066
	10061-01-5	cis-1,3-Dichloropropene	6.4	1.1 / 0.39*	0.004	0.02	0.005	< 0.0026
	10061-02-6	trans-1,3-Dichloropropene	6.4	1.1 / 0.39*	0.004	0.02	0.005	< 0.0026
	100-41-4	Ethylbenzene	7,800	400 / 58*	13	19		< 0.0066
	591-78-6	2-Hexanone						< 0.026
	108-10-1	4-Methyl-2-pentanone						< 0.026
	75-09-2	Methylene chloride	85	13	0.02	0.2		< 0.013
	1634-04-4	Methyl tert-butyl ether	780	8,800 / 140*	0.32	0.32		< 0.0066
	100-42-5	Styrene	16,000	1,500 / 430*	4	18		< 0.0066
	79-34-5	1,1,2,2-Tetrachloroethane						< 0.0066
	127-18-4	Tetrachloroethene	12	11	0.06	0.3		< 0.0066
	108-88-3	Toluene	16,000	650 / 42*	12	29		< 0.0066
	71-55-6	1,1,1-Trichloroethane	---	1,200	2	9.6		< 0.0066
	79-00-5	1,1,2-Trichloroethane	310	1,800	0.02	0.3		< 0.0066
	79-01-6	Trichloroethene	58	5	0.06	0.3		< 0.0066
	75-01-4	Vinyl chloride	0.46	0.28	0.01	0.07		< 0.0066
	1330-20-7	Xylenes, Total	16,000	320 / 5.6*	150	150		< 0.02

Soil Results Table
 568-570 E. 115th Street
 Chicago, IL
 April 12, 2011

Laboratory ID : 11040439-003 11040439-004 11040439-005
 Client Sample ID : B03 B04 B05
 Date Collected : 04/12/2011 09:15 04/12/2011 09:45 04/12/2011 10:10

	CAS No.	Analyte	Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
			Ingestion	Inhalation	Class I	Class II	ADL			
PNA	83-32-9	Acenaphthene	4,700	---	570	2,900		< 0.041		
	208-96-8	Acenaphthylene						0.058		
	120-12-7	Anthracene	23,000	---	12,000	59,000		0.14		
	56-55-3	Benz(a)anthracene	0.9	---	2	8		0.46		
	50-32-8	Benzo(a)pyrene	0.09	---	8	82		0.47		
	205-99-2	Benzo(b)fluoranthene	0.9	---	5	25		0.37		
	191-24-2	Benzo(g,h,i)perylene						0.16		
	207-08-9	Benzo(k)fluoranthene	9	---	49	250		0.34		
	218-01-9	Chrysene	88	---	160	800		0.46		
	53-70-3	Dibenz(a,h)anthracene	0.09	---	2	7.6		0.067		
	206-44-0	Fluoranthene	3,100	---	4,300	21,000		0.85		
	86-73-7	Fluorene	3,100	---	560	2,800		0.058		
	193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	14	69		0.15		
	91-20-3	Naphthalene	1,600	170 / 1.8*	12	18		< 0.041		
	85-01-8	Phenanthrene						0.62		
	129-00-0	Pyrene	2,300	---	4,200	21,000		0.96		
INORG	7429-90-5	Aluminum						16000	17000	13000
	7440-36-0	Antimony	31	---				< 2.6	< 2.6	< 2.5
	7440-38-2	Arsenic	13.0/11.3	750				21	12	7
	7440-39-3	Barium	5,500	690,000				340	96	62
	7440-41-7	Beryllium	160	1,300				1.3	0.95	< 0.62
	7440-43-9	Cadmium	78	1,800				1.1	< 0.65	< 0.62
	7440-70-2	Calcium	---	---				59000	32000	59000
	7440-47-3	Chromium	230	270				30	22	18
	7440-48-4	Cobalt	4,700	---				13	14	8.6
	7440-50-8	Copper	2,900	---				72	39	24
	57-12-5	Cyanide	1,600	---				< 0.32	0.39	< 0.31
	7439-89-6	Iron	---	---				32000	27000	21000
	7439-92-1	Lead	400	---				480	41	36
	7439-95-4	Magnesium	325,000	---				27000	21000	42000
	7439-96-5	Manganese	1,600	69,000 / 8,700*				630	440	340
	7439-97-6	Mercury	23	10 / 0.1*				0.81	0.085	0.079
	7440-02-0	Nickel	1,600	13,000				39	39	27
	7440-09-7	Potassium	---	---				3800	3200	2100
	7782-49-2	Selenium	390	---				< 1.3	< 1.3	< 1.2
	7440-22-4	Silver	390	---				< 1.3	< 1.3	< 1.2
	7440-23-5	Sodium	---	---				370	320	170
	7440-28-0	Thallium	6.3	---				< 1.3	< 1.3	< 1.2
	7440-62-2	Vanadium	550	---				34	29	23
	7440-66-6	Zinc	23,000	---				240	97	57

* - Construction Worker Inhalation Objective from Appendix B, Table B.

Soil Results Table
 568-570 E. 115th Street
 Chicago, IL
 April 12, 2011

Laboratory ID : 11040439-006 11040439-007
 Client Sample ID : B06 B07
 Date Collected : 04/12/2011 10:30 04/12/2011 10:50

	CAS No.	Analyte	Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
			Ingestion	Inhalation	Class I	Class II	ADL
BTEX	71-43-2	Benzene	12	0.8	0.03	0.17	< 0.005
	108-88-3	Toluene	16,000	650 / 42*	12	29	< 0.005
	100-41-4	Ethylbenzene	7,800	400 / 58*	13	19	< 0.005
	1330-20-7	Xylenes, Total	16,000	320 / 5.6*	150	150	< 0.015
VOC	67-64-1	Acetone	70,000	100,000	25	25	
	71-43-2	Benzene	12	0.8	0.03	0.17	
	75-27-4	Bromodichloromethane	10	3,000	0.6	0.6	
	75-25-2	Bromoform	81	53	0.8	0.8	
	74-83-9	Bromomethane	110	10 / 3.9*	0.2	1.2	
	78-93-3	2-Butanone					
	75-15-0	Carbon disulfide	7,800	720	32	160	
	56-23-5	Carbon tetrachloride	5	0.3	0.07	0.33	
	108-90-7	Chlorobenzene	1,600	130 / 1.3*	1	6.5	
	75-00-3	Chloroethane					
	67-66-3	Chloroform	100	0.3	0.6	2.9	
	74-87-3	Chloromethane					
	124-48-1	Dibromochloromethane	1,600	1,300	0.4	0.4	
	75-34-3	1,1-Dichloroethane	7,800	1,300 / 130*	23	110	
	107-06-2	1,2-Dichloroethane	7	0.4	0.02	0.1	
	75-35-4	1,1-Dichloroethene	3,900	290 / 3.0*	0.06	0.3	
	156-59-2	cis-1,2-Dichloroethene	780	1,200	0.4	1.1	
	156-60-5	trans-1,2-Dichloroethene	1,600	3,100	0.7	3.4	
	78-87-5	1,2-Dichloropropane	9	15 / 0.50*	0.03	0.15	
	10061-01-5	cis-1,3-Dichloropropene	6.4	1.1 / 0.39*	0.004	0.02	0.005
	10061-02-6	trans-1,3-Dichloropropene	6.4	1.1 / 0.39*	0.004	0.02	0.005
	100-41-4	Ethylbenzene	7,800	400 / 58*	13	19	
	591-78-6	2-Hexanone					
	108-10-1	4-Methyl-2-pentanone					
	75-09-2	Methylene chloride	85	13	0.02	0.2	
	1634-04-4	Methyl tert-butyl ether	780	8,800 / 140*	0.32	0.32	
	100-42-5	Styrene	16,000	1,500 / 430*	4	18	
	79-34-5	1,1,2,2-Tetrachloroethane					
	127-18-4	Tetrachloroethene	12	11	0.06	0.3	
	108-88-3	Toluene	16,000	650 / 42*	12	29	
	71-55-6	1,1,1-Trichloroethane	---	1,200	2	9.6	
	79-00-5	1,1,2-Trichloroethane	310	1,800	0.02	0.3	
	79-01-6	Trichloroethene	58	5	0.06	0.3	
	75-01-4	Vinyl chloride	0.46	0.28	0.01	0.07	
	1330-20-7	Xylenes, Total	16,000	320 / 5.6*	150	150	

Soil Results Table
 568-570 E. 115th Street
 Chicago, IL
 April 12, 2011

Laboratory ID : 11040439-006 11040439-007
 Client Sample ID : B06 B07
 Date Collected : 04/12/2011 10:30 04/12/2011 10:50

	CAS No.	Analyte	Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values				
			Ingestion	Inhalation	Class I	Class II	ADL		
			PNA	83-32-9	Acenaphthene	4,700	---		
	208-96-8	Acenaphthylene					0.055	< 0.03	
	120-12-7	Anthracene	23,000	---	12,000	59,000	0.24	< 0.03	
	56-55-3	Benz(a)anthracene	0.9	---	2	8	0.7	< 0.03	
	50-32-8	Benzo(a)pyrene	0.09	---	8	82	0.7	< 0.03	
	205-99-2	Benzo(b)fluoranthene	0.9	---	5	25	0.49	< 0.03	
	191-24-2	Benzo(g,h,i)perylene					0.24	< 0.03	
	207-08-9	Benzo(k)fluoranthene	9	---	49	250	0.51	< 0.03	
	218-01-9	Chrysene	88	---	160	800	0.68	< 0.03	
	53-70-3	Dibenz(a,h)anthracene	0.09	---	2	7.6	0.082	< 0.03	
	206-44-0	Fluoranthene	3,100	---	4,300	21,000	1.3	< 0.03	
	86-73-7	Fluorene	3,100	---	560	2,800	0.098	< 0.03	
	193-39-5	Indeno(1,2,3-cd)pyrene	0.9	---	14	69	0.22	< 0.03	
	91-20-3	Naphthalene	1,600	170 / 1.8*	12	18	0.047	< 0.03	
	85-01-8	Phenanthrene					0.97	< 0.03	
	129-00-0	Pyrene	2,300	---	4,200	21,000	1.5	< 0.03	
INORG	7429-90-5	Aluminum							
	7440-36-0	Antimony	31	---					
	7440-38-2	Arsenic	13.0/11.3	750					
	7440-39-3	Barium	5,500	690,000					
	7440-41-7	Beryllium	160	1,300					
	7440-43-9	Cadmium	78	1,800					
	7440-70-2	Calcium	---	---					
	7440-47-3	Chromium	230	270					
	7440-48-4	Cobalt	4,700	---					
	7440-50-8	Copper	2,900	---					
	57-12-5	Cyanide	1,600	---					
	7439-89-6	Iron	---	---					
	7439-92-1	Lead	400	---					
	7439-95-4	Magnesium	325,000	---					
	7439-96-5	Manganese	1,600	69,000 / 8,700*					
	7439-97-6	Mercury	23	10 / 0.1*					
	7440-02-0	Nickel	1,600	13,000					
	7440-09-7	Potassium	---	---					
	7782-49-2	Selenium	390	---					
	7440-22-4	Silver	390	---					
	7440-23-5	Sodium	---	---					
	7440-28-0	Thallium	6.3	---					
	7440-62-2	Vanadium	550	---					
	7440-66-6	Zinc	23,000	---					

* - Construction Worker Inhalation Objective from Appendix B, Table B.

Soil Results Table (I/C Objectives)

568-570 E. 115th Street
Chicago, IL
April 12, 2011

Laboratory ID : 11040439-001 11040439-002 11040439-003
Client Sample ID : B01 B02 B03
Date Collected : 04/12/2011 08:30 04/12/2011 08:50 04/12/2011 09:15

	CAS No.	Analyte	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values		
			Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	ADL
BTEX	71-43-2	Benzene	100	1.6	2,300	2.2	0.03	0.17	< 0.0051
	108-88-3	Toluene	410,000	650	410,000	42	12	29	< 0.0051
	100-41-4	Ethylbenzene	200,000	400	20,000	58	13	19	< 0.0051
	1330-20-7	Xylenes, Total	410,000	320	41,000	5.6	150	150	< 0.015
VOC	67-64-1	Acetone	-----	100,000	-----	100,000	25	25	
	71-43-2	Benzene	100	1.6	2,300	2.2	0.03	0.17	
	75-27-4	Bromodichloromethane	92	3,000	2,000	3,000	0.6	0.6	
	75-25-2	Bromoform	720	100	16,000	140	0.8	0.8	
	74-83-9	Bromomethane	2,900	15	1,000	3.9	0.2	1.2	
	78-93-3	2-Butanone							
	75-15-0	Carbon disulfide	200,000	720	20,000	9.0	32	160	
	56-23-5	Carbon tetrachloride	44	0.64	410	0.90	0.07	0.33	
	108-90-7	Chlorobenzene	41,000	210	4,100	1.3	1	6.5	
	75-00-3	Chloroethane							
	67-66-3	Chloroform	940	0.54	2,000	0.76	0.6	2.9	
	74-87-3	Chloromethane							
	124-48-1	Dibromochloromethane	41,000	1,300	41,000	1,300	0.4	0.4	
	75-34-3	1,1-Dichloroethane	200,000	1,700	200,000	130	23	110	
	107-06-2	1,2-Dichloroethane	63	0.70	1,400	0.99	0.02	0.1	
	75-35-4	1,1-Dichloroethene	100,000	470	10,000	3.0	0.06	0.3	
	156-59-2	cis-1,2-Dichloroethene	20,000	1,200	20,000	1,200	0.4	1.1	
	156-60-5	trans-1,2-Dichloroethene	41,000	3,100	41,000	3,100	0.7	3.4	
	78-87-5	1,2-Dichloropropane	84	23	1,800	0.50	0.03	0.15	
	10061-01-5	cis-1,3-Dichloropropene	57	2.1	1,200	0.39	0.004	0.02	0.005
	10061-02-6	trans-1,3-Dichloropropene	57	2.1	1,200	0.39	0.004	0.02	0.005
	100-41-4	Ethylbenzene	200,000	400	20,000	58	13	19	
	591-78-6	2-Hexanone							
	108-10-1	4-Methyl-2-pentanone							
	75-09-2	Methylene chloride	760	24	12,000	34	0.02	0.2	
	1634-04-4	Methyl tert-butyl ether	20,000	8,800	2,000	140	0.32	0.32	
	100-42-5	Styrene	410,000	1,500	41,000	430	4	18	
	79-34-5	1,1,2,2-Tetrachloroethane							
	127-18-4	Tetrachloroethene	110	20	2,400	28	0.06	0.3	
	108-88-3	Toluene	410,000	650	410,000	42	12	29	
	71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6	
	79-00-5	1,1,2-Trichloroethane	8,200	1,800	8,200	1,800	0.02	0.3	
	79-01-6	Trichloroethene	520	8.9	1,200	12	0.06	0.3	
	75-01-4	Vinyl chloride	7.9	1.1	170	1.1	0.01	0.07	
	1330-20-7	Xylenes, Total	410,000	320	41,000	5.6	150	150	

Soil Results Table (I/C Objectives)

568-570 E. 115th Street

Chicago, IL

April 12, 2011

Laboratory ID : 11040439-001 11040439-002 11040439-003
 Client Sample ID : B01 B02 B03
 Date Collected : 04/12/2011 08:30 04/12/2011 08:50 04/12/2011 09:15

	CAS No.	Analyte	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values				
			Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	ADL		
PNA	83-32-9	Acenaphthene	120,000	---	120,000	---	570	2,900	0.05	< 0.03	< 0.041
	208-96-8	Acenaphthylene							0.058	< 0.03	0.058
	120-12-7	Anthracene	610,000	---	610,000	---	12,000	59,000	0.16	< 0.03	0.14
	56-55-3	Benz(a)anthracene	8	---	170	---	2	8	0.57	< 0.03	0.46
	50-32-8	Benzo(a)pyrene	0.8	---	17	---	8	82	0.56	< 0.03	0.47
	205-99-2	Benzo(b)fluoranthene	8	---	170	---	5	25	0.55	< 0.03	0.37
	191-24-2	Benzo(g,h,i)perylene							0.19	< 0.03	0.16
	207-08-9	Benzo(k)fluoranthene	78	---	1,700	---	49	250	0.33	< 0.03	0.34
	218-01-9	Chrysene	780	---	17,000	---	160	800	0.58	< 0.03	0.46
	53-70-3	Dibenz(a,h)anthracene	0.8	---	17	---	2	7.6	0.079	< 0.03	0.067
	206-44-0	Fluoranthene	82,000	---	82,000	---	4,300	21,000	1.1	< 0.03	0.85
	86-73-7	Fluorene	82,000	---	82,000	---	560	2,800	0.079	< 0.03	0.058
	193-39-5	Indeno(1,2,3-cd)pyrene	8	---	170	---	14	69	0.18	< 0.03	0.15
	91-20-3	Naphthalene	41,000	270	4,100	1.8	12	18	< 0.041	< 0.03	< 0.041
	85-01-8	Phenanthrene							0.71	< 0.03	0.62
	129-00-0	Pyrene	61,000	---	61,000	---	4,200	21,000	1.2	< 0.03	0.96
INORG	7429-90-5	Aluminum								14000	16000
	7440-36-0	Antimony	820	---	82	---				< 2.3	< 2.6
	7440-38-2	Arsenic	13.0/11.3	1,200	61	25,000				8.3	21
	7440-39-3	Barium	140,000	910,000	14,000	870,000				54	340
	7440-41-7	Beryllium	4,100	2,100	410	44,000				0.58	1.3
	7440-43-9	Cadmium	2,000	2,800	200	59,000				< 0.57	1.1
	7440-70-2	Calcium	---	---	---	---				30000	59000
	7440-47-3	Chromium	6,100	420	4,100	690				21	30
	7440-48-4	Cobalt	120,000	---	12,000	---				9.3	13
	7440-50-8	Copper	82,000	---	8,200	---				32	72
	57-12-5	Cyanide	41,000	---	4,100	---				< 0.31	< 0.32
	7439-89-6	Iron	---	---	---	---				23000	32000
	7439-92-1	Lead	800	---	700	---				19	480
	7439-95-4	Magnesium	---	---	730,000	---				21000	27000
	7439-96-5	Manganese	41,000	91,000	4,100	8,700				240	630
	7439-97-6	Mercury	610	16	61	0.1				0.031	0.81
	7440-02-0	Nickel	41,000	21,000	4,100	440,000				32	39
	7440-09-7	Potassium	---	---	---	---				2700	3800
	7782-49-2	Selenium	10,000	---	1,000	---				< 1.1	< 1.3
	7440-22-4	Silver	10,000	---	1,000	---				< 1.1	< 1.3
	7440-23-5	Sodium	---	---	---	---				120	370
	7440-28-0	Thallium	160	---	160	---				< 1.1	< 1.3
	7440-62-2	Vanadium	14,000	---	1,400	---				24	34
	7440-66-6	Zinc	610,000	---	61,000	---				62	240

Soil Results Table (I/C Objectives)

568-570 E. 115th Street
Chicago, IL
April 12, 2011

Laboratory ID : 11040439-004 11040439-005 11040439-006 11040439-007
Client Sample ID : B04 B05 B06 B07
Date Collected : 04/12/2011 09:45 04/12/2011 10:10 04/12/2011 10:30 04/12/2011 10:50

	CAS No.	Analyte	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values				
			Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	ADL		
BTEX	71-43-2	Benzene	100	1.6	2,300	2.2	0.03	0.17		< 0.0054	< 0.005
	108-88-3	Toluene	410,000	650	410,000	42	12	29		< 0.0054	< 0.005
	100-41-4	Ethylbenzene	200,000	400	20,000	58	13	19		< 0.0054	< 0.005
	1330-20-7	Xylenes, Total	410,000	320	41,000	5.6	150	150		< 0.016	< 0.015
VOC	67-64-1	Acetone	-----	100,000	-----	100,000	25	25		< 0.099	
	71-43-2	Benzene	100	1.6	2,300	2.2	0.03	0.17		< 0.0066	
	75-27-4	Bromodichloromethane	92	3,000	2,000	3,000	0.6	0.6		< 0.0066	
	75-25-2	Bromoform	720	100	16,000	140	0.8	0.8		< 0.0066	
	74-83-9	Bromomethane	2,900	15	1,000	3.9	0.2	1.2		< 0.013	
	78-93-3	2-Butanone								< 0.099	
	75-15-0	Carbon disulfide	200,000	720	20,000	9.0	32	160		< 0.066	
	56-23-5	Carbon tetrachloride	44	0.64	410	0.90	0.07	0.33		< 0.0066	
	108-90-7	Chlorobenzene	41,000	210	4,100	1.3	1	6.5		< 0.0066	
	75-00-3	Chloroethane								< 0.013	
	67-66-3	Chloroform	940	0.54	2,000	0.76	0.6	2.9		< 0.0066	
	74-87-3	Chloromethane								< 0.013	
	124-48-1	Dibromochloromethane	41,000	1,300	41,000	1,300	0.4	0.4		< 0.0066	
	75-34-3	1,1-Dichloroethane	200,000	1,700	200,000	130	23	110		< 0.0066	
	107-06-2	1,2-Dichloroethane	63	0.70	1,400	0.99	0.02	0.1		< 0.0066	
	75-35-4	1,1-Dichloroethene	100,000	470	10,000	3.0	0.06	0.3		< 0.0066	
	156-59-2	cis-1,2-Dichloroethene	20,000	1,200	20,000	1,200	0.4	1.1		< 0.0066	
	156-60-5	trans-1,2-Dichloroethene	41,000	3,100	41,000	3,100	0.7	3.4		< 0.0066	
	78-87-5	1,2-Dichloropropane	84	23	1,800	0.50	0.03	0.15		< 0.0066	
	10061-01-5	cis-1,3-Dichloropropene	57	2.1	1,200	0.39	0.004	0.02	0.005	< 0.0026	
	10061-02-6	trans-1,3-Dichloropropene	57	2.1	1,200	0.39	0.004	0.02	0.005	< 0.0026	
	100-41-4	Ethylbenzene	200,000	400	20,000	58	13	19		< 0.0066	
	591-78-6	2-Hexanone								< 0.026	
	108-10-1	4-Methyl-2-pentanone								< 0.026	
	75-09-2	Methylene chloride	760	24	12,000	34	0.02	0.2		< 0.013	
	1634-04-4	Methyl tert-butyl ether	20,000	8,800	2,000	140	0.32	0.32		< 0.0066	
	100-42-5	Styrene	410,000	1,500	41,000	430	4	18		< 0.0066	
	79-34-5	1,1,2,2-Tetrachloroethane								< 0.0066	
	127-18-4	Tetrachloroethene	110	20	2,400	28	0.06	0.3		< 0.0066	
	108-88-3	Toluene	410,000	650	410,000	42	12	29		< 0.0066	
	71-55-6	1,1,1-Trichloroethane	---	1,200	---	1,200	2	9.6		< 0.0066	
	79-00-5	1,1,2-Trichloroethane	8,200	1,800	8,200	1,800	0.02	0.3		< 0.0066	
	79-01-6	Trichloroethene	520	8.9	1,200	12	0.06	0.3		< 0.0066	
	75-01-4	Vinyl chloride	7.9	1.1	170	1.1	0.01	0.07		< 0.0066	
	1330-20-7	Xylenes, Total	410,000	320	41,000	5.6	150	150		< 0.02	

Soil Results Table (I/C Objectives)

568-570 E. 115th Street

Chicago, IL

April 12, 2011

Laboratory ID : 11040439-004 11040439-005 11040439-006 11040439-007
 Client Sample ID : B04 B05 B06 B07
 Date Collected : 04/12/2011 09:45 04/12/2011 10:10 04/12/2011 10:30 04/12/2011 10:50

	CAS No.	Analyte	Industrial/Commercial Route Specific Values for Soil		Construction Worker Route Specific Values for Soil		Soil Component of Groundwater Ingestion Exposure Route Values					
			Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	ADL			
			PNA	83-32-9	Acenaphthene	120,000	---	120,000	---			570
	208-96-8	Acenaphthylene								0.055	< 0.03	
	120-12-7	Anthracene	610,000	---	610,000	---	12,000	59,000		0.24	< 0.03	
	56-55-3	Benz(a)anthracene	8	---	170	---	2	8		0.7	< 0.03	
	50-32-8	Benzo(a)pyrene	0.8	---	17	---	8	82		0.7	< 0.03	
	205-99-2	Benzo(b)fluoranthene	8	---	170	---	5	25		0.49	< 0.03	
	191-24-2	Benzo(g,h,i)perylene								0.24	< 0.03	
	207-08-9	Benzo(k)fluoranthene	78	---	1,700	---	49	250		0.51	< 0.03	
	218-01-9	Chrysene	780	---	17,000	---	160	800		0.68	< 0.03	
	53-70-3	Dibenz(a,h)anthracene	0.8	---	17	---	2	7.6		0.082	< 0.03	
	206-44-0	Fluoranthene	82,000	---	82,000	---	4,300	21,000		1.3	< 0.03	
	86-73-7	Fluorene	82,000	---	82,000	---	560	2,800		0.098	< 0.03	
	193-39-5	Indeno(1,2,3-cd)pyrene	8	---	170	---	14	69		0.22	< 0.03	
	91-20-3	Naphthalene	41,000	270	4,100	1.8	12	18		0.047	< 0.03	
	85-01-8	Phenanthrene								0.97	< 0.03	
	129-00-0	Pyrene	61,000	---	61,000	---	4,200	21,000		1.5	< 0.03	
INORG	7429-90-5	Aluminum							17000	13000		
	7440-36-0	Antimony	820	---	82	---			< 2.6	< 2.5		
	7440-38-2	Arsenic	13.0/11.3	1,200	61	25,000			12	7		
	7440-39-3	Barium	140,000	910,000	14,000	870,000			96	62		
	7440-41-7	Beryllium	4,100	2,100	410	44,000			0.95	< 0.62		
	7440-43-9	Cadmium	2,000	2,800	200	59,000			< 0.65	< 0.62		
	7440-70-2	Calcium	---	---	---	---			32000	59000		
	7440-47-3	Chromium	6,100	420	4,100	690			22	18		
	7440-48-4	Cobalt	120,000	---	12,000	---			14	8.6		
	7440-50-8	Copper	82,000	---	8,200	---			39	24		
	57-12-5	Cyanide	41,000	---	4,100	---			0.39	< 0.31		
	7439-89-6	Iron	---	---	---	---			27000	21000		
	7439-92-1	Lead	800	---	700	---			41	36		
	7439-95-4	Magnesium	---	---	730,000	---			21000	42000		
	7439-96-5	Manganese	41,000	91,000	4,100	8,700			440	340		
	7439-97-6	Mercury	610	16	61	0.1			0.085	0.079		
	7440-02-0	Nickel	41,000	21,000	4,100	440,000			39	27		
	7440-09-7	Potassium	---	---	---	---			3200	2100		
	7782-49-2	Selenium	10,000	---	1,000	---			< 1.3	< 1.2		
	7440-22-4	Silver	10,000	---	1,000	---			< 1.3	< 1.2		
	7440-23-5	Sodium	---	---	---	---			320	170		
	7440-28-0	Thallium	160	---	160	---			< 1.3	< 1.2		
	7440-62-2	Vanadium	14,000	---	1,400	---			29	23		
	7440-66-6	Zinc	610,000	---	61,000	---			97	57		

APPENDIX 4

LABORATORY DATA SHEETS

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

April 15, 2011

K-Plus Environmental, Inc.
15 Spinning Wheel Drive
Suite 320
Hinsdale, IL 60521
Telephone: (630) 655-8900
Fax: (630) 655-8918

RE: 21046, 568-580 E. 115th, Chicago, IL

STAT Project No 11040439

Dear Aaron Colin:

STAT Analysis received 7 samples for the referenced project on 4/12/2011 11:45:00 AM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.

Client: K-Plus Environmental, Inc.
Project: 21046, 568-580 E. 115th, Chicago, IL
Lab Order: 11040439

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
11040439-001A B01			4/12/2011 8:30:00 AM	4/12/2011
11040439-001B B01			4/12/2011 8:30:00 AM	4/12/2011
11040439-002A B02			4/12/2011 8:50:00 AM	4/12/2011
11040439-002B B02			4/12/2011 8:50:00 AM	4/12/2011
11040439-003A B03			4/12/2011 9:15:00 AM	4/12/2011
11040439-003B B03			4/12/2011 9:15:00 AM	4/12/2011
11040439-004A B04			4/12/2011 9:45:00 AM	4/12/2011
11040439-005A B05			4/12/2011 10:10:00 AM	4/12/2011
11040439-005B B05			4/12/2011 10:10:00 AM	4/12/2011
11040439-006A B06			4/12/2011 10:30:00 AM	4/12/2011
11040439-006B B06			4/12/2011 10:30:00 AM	4/12/2011
11040439-007A B07			4/12/2011 10:50:00 AM	4/12/2011
11040439-007B B07			4/12/2011 10:50:00 AM	4/12/2011

CLIENT: K-Plus Environmental, Inc.
Project: 21046, 568-580 E. 115th, Chicago, IL
Lab Order: 11040439

CASE NARRATIVE

The metals Matrix Spike/Matrix Spike Duplicate (MS/MSD) prepared from sample B02 (11040439-002) had the following outside control limits:

Antimony: 29%/26% (MS/MSD) recovery (QC limits 75-125%)

Barium: 161% (MSD) recovery (QC limits 75-125%)

Cobalt: 201% (MSD) recovery (QC limits 75-125%); 58% RPD, (QC limits <20%)

Lead: 135% (MSD) recovery (QC limits 75-125%)

Manganese: 120% RPD, (QC limits <20%)

Nickel: 217% (MSD) recovery (QC limits 75-125%); 46% RPD, (QC limits <20%)

The MS/MSD had recovery of other analytes outside of control limits, however the analyte concentration in the sample was greater than four times the spike level for those elements.

The metals serial dilution (SD) prepared from sample B02 (11040439-002) had relative percent difference (RPD) outside of control limits for the following elements:

Iron: 11.2% RPD (QC limits <10%)

Manganese: 11.9% RPD (QC limits <10%)

Zinc: 11% RPD (QC limits <10%)

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
 Lab Order: 11040439
 Project: 21046, 568-580 E. 115th, Chicago, IL
 Lab ID: 11040439-001

Client Sample ID: B01
 Collection Date: 4/12/2011 8:30:00 AM
 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons						
	SW8270C-SIM (SW3550B)			Prep Date: 4/13/2011	Analyst: VS	
Acenaphthene	0.05	0.041		mg/Kg-dry	10	4/14/2011
Acenaphthylene	0.058	0.041		mg/Kg-dry	10	4/14/2011
Anthracene	0.16	0.041		mg/Kg-dry	10	4/14/2011
Benz(a)anthracene	0.57	0.041		mg/Kg-dry	10	4/14/2011
Benzo(a)pyrene	0.56	0.041		mg/Kg-dry	10	4/14/2011
Benzo(b)fluoranthene	0.55	0.041		mg/Kg-dry	10	4/14/2011
Benzo(g,h,i)perylene	0.19	0.041		mg/Kg-dry	10	4/14/2011
Benzo(k)fluoranthene	0.33	0.041		mg/Kg-dry	10	4/14/2011
Chrysene	0.58	0.041		mg/Kg-dry	10	4/14/2011
Dibenz(a,h)anthracene	0.079	0.041		mg/Kg-dry	10	4/14/2011
Fluoranthene	1.1	0.041		mg/Kg-dry	10	4/14/2011
Fluorene	0.079	0.041		mg/Kg-dry	10	4/14/2011
Indeno(1,2,3-cd)pyrene	0.18	0.041		mg/Kg-dry	10	4/14/2011
Naphthalene	ND	0.041		mg/Kg-dry	10	4/14/2011
Phenanthrene	0.71	0.041		mg/Kg-dry	10	4/14/2011
Pyrene	1.2	0.041		mg/Kg-dry	10	4/14/2011
Percent Moisture						
	D2974			Prep Date: 4/12/2011	Analyst: RW	
Percent Moisture	20.4	0.2	*	wt%	1	4/13/2011

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
Lab Order: 11040439
Project: 21046, 568-580 E. 115th, Chicago, IL
Lab ID: 11040439-002

Client Sample ID: B02
Collection Date: 4/12/2011 8:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 4/14/2011	Analyst: LB
Mercury	0.031	0.021		mg/Kg-dry	1	4/14/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 4/14/2011	Analyst: JG
Aluminum	14000	230		mg/Kg-dry	100	4/14/2011
Antimony	ND	2.3		mg/Kg-dry	10	4/14/2011
Arsenic	8.3	1.1		mg/Kg-dry	10	4/14/2011
Barium	54	1.1		mg/Kg-dry	10	4/14/2011
Beryllium	0.58	0.57		mg/Kg-dry	10	4/14/2011
Cadmium	ND	0.57		mg/Kg-dry	10	4/14/2011
Calcium	30000	69		mg/Kg-dry	10	4/14/2011
Chromium	21	1.1		mg/Kg-dry	10	4/14/2011
Cobalt	9.3	1.1		mg/Kg-dry	10	4/14/2011
Copper	32	2.9		mg/Kg-dry	10	4/14/2011
Iron	23000	34		mg/Kg-dry	10	4/14/2011
Lead	19	0.57		mg/Kg-dry	10	4/14/2011
Magnesium	21000	340		mg/Kg-dry	100	4/14/2011
Manganese	240	1.1		mg/Kg-dry	10	4/14/2011
Nickel	32	1.1		mg/Kg-dry	10	4/14/2011
Potassium	2700	34		mg/Kg-dry	10	4/14/2011
Selenium	ND	1.1		mg/Kg-dry	10	4/14/2011
Silver	ND	1.1		mg/Kg-dry	10	4/14/2011
Sodium	120	69		mg/Kg-dry	10	4/14/2011
Thallium	ND	1.1		mg/Kg-dry	10	4/14/2011
Vanadium	24	1.1		mg/Kg-dry	10	4/14/2011
Zinc	62	5.7		mg/Kg-dry	10	4/14/2011
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)				Prep Date: 4/13/2011	Analyst: VS
Acenaphthene	ND	0.03		mg/Kg-dry	1	4/15/2011
Acenaphthylene	ND	0.03		mg/Kg-dry	1	4/15/2011
Anthracene	ND	0.03		mg/Kg-dry	1	4/15/2011
Benz(a)anthracene	ND	0.03		mg/Kg-dry	1	4/15/2011
Benzo(a)pyrene	ND	0.03		mg/Kg-dry	1	4/15/2011
Benzo(b)fluoranthene	ND	0.03		mg/Kg-dry	1	4/15/2011
Benzo(g,h,i)perylene	ND	0.03		mg/Kg-dry	1	4/15/2011
Benzo(k)fluoranthene	ND	0.03		mg/Kg-dry	1	4/15/2011
Chrysene	ND	0.03		mg/Kg-dry	1	4/15/2011
Dibenz(a,h)anthracene	ND	0.03		mg/Kg-dry	1	4/15/2011
Fluoranthene	ND	0.03		mg/Kg-dry	1	4/15/2011
Fluorene	ND	0.03		mg/Kg-dry	1	4/15/2011

Qualifiers:
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 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
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 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
Lab Order: 11040439
Project: 21046, 568-580 E. 115th, Chicago, IL
Lab ID: 11040439-002

Client Sample ID: B02
Collection Date: 4/12/2011 8:50:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)		Prep Date: 4/13/2011		Analyst: VS	
Indeno(1,2,3-cd)pyrene	ND	0.03		mg/Kg-dry	1	4/15/2011
Naphthalene	ND	0.03		mg/Kg-dry	1	4/15/2011
Phenanthrene	ND	0.03		mg/Kg-dry	1	4/15/2011
Pyrene	ND	0.03		mg/Kg-dry	1	4/15/2011
BTEX by GC/MS	SW5035/8260B		Prep Date: 4/12/2011		Analyst: EJH	
Benzene	ND	0.0051		mg/Kg-dry	1	4/14/2011
Toluene	ND	0.0051		mg/Kg-dry	1	4/14/2011
Ethylbenzene	ND	0.0051		mg/Kg-dry	1	4/14/2011
Xylenes, Total	ND	0.015		mg/Kg-dry	1	4/14/2011
Cyanide, Total	SW9012A		Prep Date: 4/13/2011		Analyst: YZ	
Cyanide	ND	0.31		mg/Kg-dry	1	4/14/2011
pH (25 °C)	SW9045C		Prep Date: 4/13/2011		Analyst: MNG	
pH	7.6			pH Units	1	4/13/2011
Percent Moisture	D2974		Prep Date: 4/12/2011		Analyst: RW	
Percent Moisture	18.6	0.2	*	wt%	1	4/13/2011

Qualifiers:
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 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
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Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
Lab Order: 11040439
Project: 21046, 568-580 E. 115th, Chicago, IL
Lab ID: 11040439-003

Client Sample ID: B03
Collection Date: 4/12/2011 9:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 4/14/2011		Analyst: LB
Mercury	0.81	0.025		mg/Kg-dry	1	4/14/2011
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 4/14/2011		Analyst: JG
Aluminum	16000	260		mg/Kg-dry	100	4/14/2011
Antimony	ND	2.6		mg/Kg-dry	10	4/14/2011
Arsenic	21	1.3		mg/Kg-dry	10	4/14/2011
Barium	340	1.3		mg/Kg-dry	10	4/14/2011
Beryllium	1.3	0.65		mg/Kg-dry	10	4/14/2011
Cadmium	1.1	0.65		mg/Kg-dry	10	4/14/2011
Calcium	59000	78		mg/Kg-dry	10	4/14/2011
Chromium	30	1.3		mg/Kg-dry	10	4/14/2011
Cobalt	13	1.3		mg/Kg-dry	10	4/14/2011
Copper	72	3.2		mg/Kg-dry	10	4/14/2011
Iron	32000	39		mg/Kg-dry	10	4/14/2011
Lead	480	0.65		mg/Kg-dry	10	4/14/2011
Magnesium	27000	390		mg/Kg-dry	100	4/14/2011
Manganese	630	1.3		mg/Kg-dry	10	4/14/2011
Nickel	39	1.3		mg/Kg-dry	10	4/14/2011
Potassium	3800	39		mg/Kg-dry	10	4/14/2011
Selenium	ND	1.3		mg/Kg-dry	10	4/14/2011
Silver	ND	1.3		mg/Kg-dry	10	4/14/2011
Sodium	370	78		mg/Kg-dry	10	4/14/2011
Thallium	ND	1.3		mg/Kg-dry	10	4/14/2011
Vanadium	34	1.3		mg/Kg-dry	10	4/14/2011
Zinc	240	6.5		mg/Kg-dry	10	4/14/2011
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)			Prep Date: 4/13/2011		Analyst: VS
Acenaphthene	ND	0.041		mg/Kg-dry	10	4/14/2011
Acenaphthylene	0.058	0.041		mg/Kg-dry	10	4/14/2011
Anthracene	0.14	0.041		mg/Kg-dry	10	4/14/2011
Benz(a)anthracene	0.46	0.041		mg/Kg-dry	10	4/14/2011
Benzo(a)pyrene	0.47	0.041		mg/Kg-dry	10	4/14/2011
Benzo(b)fluoranthene	0.37	0.041		mg/Kg-dry	10	4/14/2011
Benzo(g,h,i)perylene	0.16	0.041		mg/Kg-dry	10	4/14/2011
Benzo(k)fluoranthene	0.34	0.041		mg/Kg-dry	10	4/14/2011
Chrysene	0.46	0.041		mg/Kg-dry	10	4/14/2011
Dibenz(a,h)anthracene	0.067	0.041		mg/Kg-dry	10	4/14/2011
Fluoranthene	0.85	0.041		mg/Kg-dry	10	4/14/2011
Fluorene	0.058	0.041		mg/Kg-dry	10	4/14/2011

Qualifiers:
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 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
 Lab Order: 11040439
 Project: 21046, 568-580 E. 115th, Chicago, IL
 Lab ID: 11040439-003

Client Sample ID: B03
 Collection Date: 4/12/2011 9:15:00 AM
 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)		Prep Date: 4/13/2011		Analyst: VS	
Indeno(1,2,3-cd)pyrene	0.15	0.041		mg/Kg-dry	10	4/14/2011
Naphthalene	ND	0.041		mg/Kg-dry	10	4/14/2011
Phenanthrene	0.62	0.041		mg/Kg-dry	10	4/14/2011
Pyrene	0.96	0.041		mg/Kg-dry	10	4/14/2011
Cyanide, Total	SW9012A		Prep Date: 4/13/2011		Analyst: YZ	
Cyanide	ND	0.32		mg/Kg-dry	1	4/14/2011
pH (25 °C)	SW9045C		Prep Date: 4/13/2011		Analyst: MNG	
pH	7.4			pH Units	1	4/13/2011
Percent Moisture	D2974		Prep Date: 4/12/2011		Analyst: RW	
Percent Moisture	20.8	0.2	*	wt%	1	4/13/2011

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
Lab Order: 11040439
Project: 21046, 568-580 E. 115th, Chicago, IL
Lab ID: 11040439-004

Client Sample ID: B04
Collection Date: 4/12/2011 9:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury						
	SW7471A			Prep Date: 4/14/2011		Analyst: LB
Mercury	0.085	0.023		mg/Kg-dry	1	4/14/2011
Metals by ICP/MS						
	SW6020 (SW3050B)			Prep Date: 4/14/2011		Analyst: JG
Aluminum	17000	260		mg/Kg-dry	100	4/14/2011
Antimony	ND	2.6		mg/Kg-dry	10	4/14/2011
Arsenic	12	1.3		mg/Kg-dry	10	4/14/2011
Barium	96	1.3		mg/Kg-dry	10	4/14/2011
Beryllium	0.95	0.65		mg/Kg-dry	10	4/14/2011
Cadmium	ND	0.65		mg/Kg-dry	10	4/14/2011
Calcium	32000	77		mg/Kg-dry	10	4/14/2011
Chromium	22	1.3		mg/Kg-dry	10	4/14/2011
Cobalt	14	1.3		mg/Kg-dry	10	4/14/2011
Copper	39	3.2		mg/Kg-dry	10	4/14/2011
Iron	27000	39		mg/Kg-dry	10	4/14/2011
Lead	41	0.65		mg/Kg-dry	10	4/14/2011
Magnesium	21000	390		mg/Kg-dry	100	4/14/2011
Manganese	440	1.3		mg/Kg-dry	10	4/14/2011
Nickel	39	1.3		mg/Kg-dry	10	4/14/2011
Potassium	3200	39		mg/Kg-dry	10	4/14/2011
Selenium	ND	1.3		mg/Kg-dry	10	4/14/2011
Silver	ND	1.3		mg/Kg-dry	10	4/14/2011
Sodium	320	77		mg/Kg-dry	10	4/14/2011
Thallium	ND	1.3		mg/Kg-dry	10	4/14/2011
Vanadium	29	1.3		mg/Kg-dry	10	4/14/2011
Zinc	97	6.5		mg/Kg-dry	10	4/14/2011
Volatile Organic Compounds by GC/MS						
	SW8260B			Prep Date: 4/12/2011		Analyst: EJH
Acetone	ND	0.099		mg/Kg-dry	1	4/14/2011
Benzene	ND	0.0066		mg/Kg-dry	1	4/14/2011
Bromodichloromethane	ND	0.0066		mg/Kg-dry	1	4/14/2011
Bromoform	ND	0.0066		mg/Kg-dry	1	4/14/2011
Bromomethane	ND	0.013		mg/Kg-dry	1	4/14/2011
2-Butanone	ND	0.099		mg/Kg-dry	1	4/14/2011
Carbon disulfide	ND	0.066		mg/Kg-dry	1	4/14/2011
Carbon tetrachloride	ND	0.0066		mg/Kg-dry	1	4/14/2011
Chlorobenzene	ND	0.0066		mg/Kg-dry	1	4/14/2011
Chloroethane	ND	0.013		mg/Kg-dry	1	4/14/2011
Chloroform	ND	0.0066		mg/Kg-dry	1	4/14/2011
Chloromethane	ND	0.013		mg/Kg-dry	1	4/14/2011

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
Lab Order: 11040439
Project: 21046, 568-580 E. 115th, Chicago, IL
Lab ID: 11040439-004

Client Sample ID: B04
Collection Date: 4/12/2011 9:45:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS		SW8260B		Prep Date: 4/12/2011		Analyst: EJH
Dibromochloromethane	ND	0.0066		mg/Kg-dry	1	4/14/2011
1,1-Dichloroethane	ND	0.0066		mg/Kg-dry	1	4/14/2011
1,2-Dichloroethane	ND	0.0066		mg/Kg-dry	1	4/14/2011
1,1-Dichloroethene	ND	0.0066		mg/Kg-dry	1	4/14/2011
cis-1,2-Dichloroethene	ND	0.0066		mg/Kg-dry	1	4/14/2011
trans-1,2-Dichloroethene	ND	0.0066		mg/Kg-dry	1	4/14/2011
1,2-Dichloropropane	ND	0.0066		mg/Kg-dry	1	4/14/2011
cis-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	4/14/2011
trans-1,3-Dichloropropene	ND	0.0026		mg/Kg-dry	1	4/14/2011
Ethylbenzene	ND	0.0066		mg/Kg-dry	1	4/14/2011
2-Hexanone	ND	0.026		mg/Kg-dry	1	4/14/2011
4-Methyl-2-pentanone	ND	0.026		mg/Kg-dry	1	4/14/2011
Methylene chloride	ND	0.013		mg/Kg-dry	1	4/14/2011
Methyl tert-butyl ether	ND	0.0066		mg/Kg-dry	1	4/14/2011
Styrene	ND	0.0066		mg/Kg-dry	1	4/14/2011
1,1,2,2-Tetrachloroethane	ND	0.0066		mg/Kg-dry	1	4/14/2011
Tetrachloroethene	ND	0.0066		mg/Kg-dry	1	4/14/2011
Toluene	ND	0.0066		mg/Kg-dry	1	4/14/2011
1,1,1-Trichloroethane	ND	0.0066		mg/Kg-dry	1	4/14/2011
1,1,2-Trichloroethane	ND	0.0066		mg/Kg-dry	1	4/14/2011
Trichloroethene	ND	0.0066		mg/Kg-dry	1	4/14/2011
Vinyl chloride	ND	0.0066		mg/Kg-dry	1	4/14/2011
Xylenes, Total	ND	0.02		mg/Kg-dry	1	4/14/2011
Cyanide, Total		SW9012A		Prep Date: 4/13/2011		Analyst: YZ
Cyanide	0.39	0.32		mg/Kg-dry	1	4/14/2011
pH (25 °C)		SW9045C		Prep Date: 4/13/2011		Analyst: MNG
pH	7.3			pH Units	1	4/13/2011
Percent Moisture		D2974		Prep Date: 4/12/2011		Analyst: RW
Percent Moisture	22.1	0.2	*	wt%	1	4/13/2011

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
Lab Order: 11040439
Project: 21046, 568-580 E. 115th, Chicago, IL
Lab ID: 11040439-005

Client Sample ID: B05
Collection Date: 4/12/2011 10:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A				Prep Date: 4/14/2011	Analyst: LB
Mercury	0.079	0.024		mg/Kg-dry	1	4/14/2011
Metals by ICP/MS	SW6020 (SW3050B)				Prep Date: 4/14/2011	Analyst: JG
Aluminum	13000	250		mg/Kg-dry	100	4/14/2011
Antimony	ND	2.5		mg/Kg-dry	10	4/14/2011
Arsenic	7	1.2		mg/Kg-dry	10	4/14/2011
Barium	62	1.2		mg/Kg-dry	10	4/14/2011
Beryllium	ND	0.62		mg/Kg-dry	10	4/14/2011
Cadmium	ND	0.62		mg/Kg-dry	10	4/14/2011
Calcium	59000	74		mg/Kg-dry	10	4/14/2011
Chromium	18	1.2		mg/Kg-dry	10	4/14/2011
Cobalt	8.6	1.2		mg/Kg-dry	10	4/14/2011
Copper	24	3.1		mg/Kg-dry	10	4/14/2011
Iron	21000	37		mg/Kg-dry	10	4/14/2011
Lead	36	0.62		mg/Kg-dry	10	4/14/2011
Magnesium	42000	370		mg/Kg-dry	100	4/14/2011
Manganese	340	1.2		mg/Kg-dry	10	4/14/2011
Nickel	27	1.2		mg/Kg-dry	10	4/14/2011
Potassium	2100	37		mg/Kg-dry	10	4/14/2011
Selenium	ND	1.2		mg/Kg-dry	10	4/14/2011
Silver	ND	1.2		mg/Kg-dry	10	4/14/2011
Sodium	170	74		mg/Kg-dry	10	4/14/2011
Thallium	ND	1.2		mg/Kg-dry	10	4/14/2011
Vanadium	23	1.2		mg/Kg-dry	10	4/14/2011
Zinc	57	6.2		mg/Kg-dry	10	4/14/2011
BTEX by GC/MS	SW5035/8260B				Prep Date: 4/12/2011	Analyst: EJH
Benzene	ND	0.0054		mg/Kg-dry	1	4/14/2011
Toluene	ND	0.0054		mg/Kg-dry	1	4/14/2011
Ethylbenzene	ND	0.0054		mg/Kg-dry	1	4/14/2011
Xylenes, Total	ND	0.016		mg/Kg-dry	1	4/14/2011
Cyanide, Total	SW9012A				Prep Date: 4/13/2011	Analyst: YZ
Cyanide	ND	0.31		mg/Kg-dry	1	4/14/2011
pH (25 °C)	SW9045C				Prep Date: 4/13/2011	Analyst: MNG
pH	8.0			pH Units	1	4/13/2011
Percent Moisture	D2974				Prep Date: 4/12/2011	Analyst: RW
Percent Moisture	19.0	0.2	*	wt%	1	4/13/2011

Qualifiers:
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 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
 Lab Order: 11040439
 Project: 21046, 568-580 E. 115th, Chicago, IL
 Lab ID: 11040439-006

Client Sample ID: B06
 Collection Date: 4/12/2011 10:30:00 AM
 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons						
	SW8270C-SIM (SW3550B)			Prep Date: 4/14/2011	Analyst: VS	
Acenaphthene	0.067	0.039		mg/Kg-dry	10	4/14/2011
Acenaphthylene	0.055	0.039		mg/Kg-dry	10	4/14/2011
Anthracene	0.24	0.039		mg/Kg-dry	10	4/14/2011
Benz(a)anthracene	0.7	0.039		mg/Kg-dry	10	4/14/2011
Benzo(a)pyrene	0.7	0.039		mg/Kg-dry	10	4/14/2011
Benzo(b)fluoranthene	0.49	0.039		mg/Kg-dry	10	4/14/2011
Benzo(g,h,i)perylene	0.24	0.039		mg/Kg-dry	10	4/14/2011
Benzo(k)fluoranthene	0.51	0.039		mg/Kg-dry	10	4/14/2011
Chrysene	0.68	0.039		mg/Kg-dry	10	4/14/2011
Dibenz(a,h)anthracene	0.082	0.039		mg/Kg-dry	10	4/14/2011
Fluoranthene	1.3	0.039		mg/Kg-dry	10	4/14/2011
Fluorene	0.098	0.039		mg/Kg-dry	10	4/14/2011
Indeno(1,2,3-cd)pyrene	0.22	0.039		mg/Kg-dry	10	4/14/2011
Naphthalene	0.047	0.039		mg/Kg-dry	10	4/14/2011
Phenanthrene	0.97	0.039		mg/Kg-dry	10	4/14/2011
Pyrene	1.5	0.039		mg/Kg-dry	10	4/14/2011
BTEX by GC/MS						
	SW5035/8260B			Prep Date: 4/12/2011	Analyst: EJJ	
Benzene	ND	0.005		mg/Kg-dry	1	4/14/2011
Toluene	ND	0.005		mg/Kg-dry	1	4/14/2011
Ethylbenzene	ND	0.005		mg/Kg-dry	1	4/14/2011
Xylenes, Total	ND	0.015		mg/Kg-dry	1	4/14/2011
Percent Moisture						
	D2974			Prep Date: 4/12/2011	Analyst: RW	
Percent Moisture	16.4	0.2	*	wt%	1	4/13/2011

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: April 15, 2011

Date Printed: April 15, 2011

Client: K-Plus Environmental, Inc.
 Lab Order: 11040439
 Project: 21046, 568-580 E. 115th, Chicago, IL
 Lab ID: 11040439-007

Client Sample ID: B07
 Collection Date: 4/12/2011 10:50:00 AM
 Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)		Prep Date: 4/13/2011	Analyst: VS		
Acenaphthene	ND	0.03		mg/Kg-dry	1	4/14/2011
Acenaphthylene	ND	0.03		mg/Kg-dry	1	4/14/2011
Anthracene	ND	0.03		mg/Kg-dry	1	4/14/2011
Benzo(a)anthracene	ND	0.03		mg/Kg-dry	1	4/14/2011
Benzo(a)pyrene	ND	0.03		mg/Kg-dry	1	4/14/2011
Benzo(b)fluoranthene	ND	0.03		mg/Kg-dry	1	4/14/2011
Benzo(g,h,i)perylene	ND	0.03		mg/Kg-dry	1	4/14/2011
Benzo(k)fluoranthene	ND	0.03		mg/Kg-dry	1	4/14/2011
Chrysene	ND	0.03		mg/Kg-dry	1	4/14/2011
Dibenz(a,h)anthracene	ND	0.03		mg/Kg-dry	1	4/14/2011
Fluoranthene	ND	0.03		mg/Kg-dry	1	4/14/2011
Fluorene	ND	0.03		mg/Kg-dry	1	4/14/2011
Indeno(1,2,3-cd)pyrene	ND	0.03		mg/Kg-dry	1	4/14/2011
Naphthalene	ND	0.03		mg/Kg-dry	1	4/14/2011
Phenanthrene	ND	0.03		mg/Kg-dry	1	4/14/2011
Pyrene	ND	0.03		mg/Kg-dry	1	4/14/2011
Percent Moisture	D2974		Prep Date: 4/12/2011	Analyst: RW		
Percent Moisture	17.6	0.2	*	wt%	1	4/13/2011

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

Sample Receipt Checklist

Client Name **K-PLUS**

Date and Time Received: **4/12/2011 11:45:00 AM**

Work Order Number **11040439**

Received by: **CDF**

Checklist completed by:

[Handwritten Signature]
Signature

4/12/11
Date

Reviewed by:

CB **4/13/11**
Initials Date

Matrix:

Carrier name Client Delivered

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels/containers? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container or Temp Blank temperature in compliance? Yes No Temperature **3.5 °C**
- Water - VOA vials have zero headspace? No VOA vials submitted Yes No
- Water - Samples pH checked? Yes No Checked by: _____
- Water - Samples properly preserved? Yes No pH Adjusted? _____

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted:

Date contacted:

Contacted by:

Response:

APPENDIX 5

INSPECTOR QUALIFICATIONS



K-PLUS ENGINEERING, LLC

Title: *Engineer*

AARON T. COLIN

Education:

BS, *General Engineering,
University of Illinois,
Urbana-Champaign,
Illinois*

Licenses/Certifications:

*OSHA 40 Hour HazMat
Training*

*OSHA 8 Hour Hazardous
Waste Training Refresher*

*HM-126F Safe HazMat
Transportation Training*

*Occupational Safety and
Health for Construction
Industry Course (OSHA
510)*

*State of Illinois Department
of Health Licensed
Asbestos Building
Inspector: 100-10513*

Area of Expertise:

- *Phase I ESA*
- *LUST*
- *SRP*
- *Site Investigation*
- *TACO*
- *Remediation*

As a Project Manager for K-Plus Engineering, Mr. Colin is responsible for conducting project oversight and field work activities, preparing applications for air and NPDES permits, as well as writing technical reports to ensure compliance and conformance with environmental regulations and guidelines. The technical skills, effective management, and organizational abilities of Mr. Colin have enabled him to work on a variety of projects, including property assessments, compliance audits, subsurface soil and ground water investigations, asbestos and lead paint surveys, and site remediation projects. Mr. Colin's educational background, strong analytical, technical and communication skills, as well as his project management experience, also allow him to efficiently and effectively communicate technical concepts and issues to a wide variety of constituents.

Mr. Colin served the on-site Assistant Environmental and Safety Engineer for the largest single industrial facility in Illinois. In this contract position, he was responsible for managing and coordinating a variety of ongoing environmental remediation projects at the plant. In addition, Mr. Colin was responsible for all record keeping related to the NPDES, local POTW discharge authorization, and air emission permits at the plant.

The diversity of Mr. Colin's education has enabled him to develop strong analytical and research skills. Prior to joining K-Plus Environmental, Mr. Colin worked as a senior designer on a project for General Electric to develop a more efficient handling system to deliver magnesium oxide insulation into the company's oven-heating coils.

Mr. Colin's background has provided him with a broad base of technical scientific knowledge. In addition to his professional experience, his undergraduate studies at the University of Illinois which focused on the technical aspects of the engineering field included a wide range of engineering programs, including civil, mechanical, chemical, and electrical engineering as well as theoretical and applied mechanics and computer science.



Title: Sr. Project Manager

SUMMARY OF EXPERIENCE

Years Experience: 10+

Education:

BS, Environmental Health Sciences, Illinois State University, Normal, IL

AHERA Building Inspector: IL

OSHA 40 Hour Hazardous Waste Training

OSHA 8-hour Hazardous Waste Training Refresher

Erosion and Sediment Control Course 8-hour AIA Registered.

Mrs. Madsen combines scientific expertise and business management skills to meet the due diligence needs for a variety of clients in a professional, time efficient and cost effective manner. Her educational training, project management experience, and communication skills provide a solid foundation to meet the environmental consulting needs of a diverse client base, including customers in banking, real estate development, government and industrial settings. At K-Plus, Ms. Madsen provides her customers with the tools required to make productive environmental decisions.

Ms. Madsen has been in the environmental consulting industry for at least the past ten years, which has cultivated a deep understanding of environmental issues within a business-conscious framework. During her tenure, she has developed outstanding research, field work, data interpretation, technical writing and communication skills, and has been recognized in scientific, government and business publications. Her training includes a bachelors degree in environmental sciences from Illinois State University, where her studies included courses in; Environmental Health Practices, Health Data Analysis, Water Quality and Treatment, Waste Management Practices, Environmental Toxicology, Food Protection, Control of Institutional Environments, Pollution Prevention, Occupational Health, Epidemiology, Decision Processes, as well as, complete courses of study in Chemistry, Physics, Geology, Human Anatomy and Physiology and Biology. Ms. Madsen's extensive curriculum has provided her with a broad base of technical scientific knowledge.

Since becoming an environmental professional, Ms. Madsen has conducted a variety of local and international site assessment activities, including property inspections (Phase I ESAs, TSAs, Phase I Updates and compliance assessments), soil and groundwater investigations, storage tank removals, abandonments and remediation activities. In connection with these tasks, Ms. Madsen has demonstrated her acute technical abilities by designing statistical analyses (including averaging and composite techniques) and modeling contaminant transport patterns, which has allowed her to successfully design and manage site closures in accordance with current federal, state and local environmental regulations.

REPRESENTATIVE EXPERIENCE

Spill Response Remediation and Restoration, Rancho Cordova, CA

- Project Manager for the environmental remediation of a large tract of land contaminated by a spill of PCB-contaminated oil. Because the contamination was on private property not owned by the responsible party, the cleanup objective for the work was total removal of all contamination. Mrs. Madsen directed all onsite removal and restoration activities that were completed. All work was completed on an expedited schedule over a holiday weekend.

**Former Industrial Facility, Seneca, IL.
SRP Site Closure**

- Served as Resident Engineer to manage and direct the final phase of an environmental clean up of a former industrial site adjacent to Illinois River.



Work involved the testing and removal of soil contaminated by pesticides, followed by site restoration. K-Plus worked under the supervision of the Illinois EPA during the cleanup effort.

Industrial Facility, Skokie, IL

SRP Site Closure

- Leaking tanks identified at an adjacent parcel migrated off-site. An extensive subsurface investigation was completed to determine the horizontal and vertical extents of the soil and ground water contamination. During the investigation, secondary surficial soil contamination was identified on the site due to spillage or dumping from the former adhesives manufacturing operations. The site was closed following fate and transport modeling. The closure was achieved with minimal cost to the owner by utilizing land restriction and an engineered barrier and without any active remedial activities. Upon review, the IEPA issued a No Further Remediation (NFR) letter for the property.

Commercial Facility, Melrose Park, IL

Leaking Underground Storage Tank Program

- During an environmental assessment of the property, it was determined that the prior use of the property was a gasoline station. Following a magnetometer survey that suggested tanks were still present at the property, Mrs. Madsen directed the removal and destruction of the tanks. During removal activities it was determined that one or more of the tanks had experienced a leak, therefore a Leaking Underground Storage Tank (LUST) incident number was obtained and all affected soils were removed from the property. The site was cleaned to Illinois residential property standards and the Illinois EPA issued a NFR letter with no restrictions

Environmental and Erosion Control Manager.

- Mrs. Madsen worked with Walsh Construction on their North-South Tollway Expansion Project. Mrs. Madsen worked with the Illinois Tollway alongside numerous Agency representatives to organize and protect the sensitive wetland species, as well as, the Hine's Emerald Dragonfly (endangered), identified in the Des Plaines River Valley during the construction of the I-355 Bridge through Lemont, Illinois. The project included the design and implementation of a Maintenance Plan, Environmental-Safety Discussion, Dust Control Plan, Pollution Control Plan, as well as, the implement of the Erosion Control Plan, which was prepared and approved by the IEPA, in coordination with the local Agencies.

National Marine, Wetland Monitoring and Ecological Assessment.

- This project was located on the Illinois River within a flood plain. The site contained forested and wetland areas and a variety of vegetation and wildlife. Mrs. Madsen, Project Scientist, was responsible for performing site characterization and water quality investigations and evaluations. Assisted with the natural resource assessments and monitoring. Performed soil, surface water and groundwater sampling. Completed draft reports for submittal to the USEPA under CERCLA.



Federal Agency Experience

- Mrs. Madsen has worked on numerous Phase I Environmental Site Assessments for potential cellular tower sites located throughout the Midwest. As part of these projects Mrs. Madsen was required to complete full NEPA screens on these properties in order to receive a Finding of No Significant Impact (FONSI) letter from the FAA.

National Experience

- Mrs. Madsen has traveled to other states in order to conduct Phase II Subsurface Investigations such as: New York, Michigan, Indiana and Texas. With the Subsurface Investigations in foreign states it is necessary to comply with the local state or USEPA regulations, especially when looking at the analysis of lab data. Mrs. Madsen has conducted the research behind the regulations, in order to learn acceptable chemical limits for the soils in each of these states, as well as, completed detailed technical reports which meet those state regulations.



K-PLUS ENGINEERING, LLC

Title: *President*

DANIEL M. CAPLICE

Education:

*MM, Finance and
Managerial Economics,
J.L. Kellogg Graduate
School of Management,
Northwestern University*

*MPH, Industrial Hygiene
and Safety Engineering,
University of Illinois at
Chicago*

*BS, Civil Engineering,
University of Illinois,
Urbana, IL*

Licenses/Certifications:

*Professional Engineer:
IL, IN, IA, FL, KY, LA, MI,
MN,MO, NC, OH, PA,SC,
TX, and W,*

*AHERA Building Inspector:
IL and IN*

*LUST Site Assessor:
WI and IN*

*OSHA 40 Hour HazMat
Training*

*OSHA 8-hour On-site
Management &
Supervisor Training*

*HM-126F Safe HazMat
Transportation Training*

Radon Detection Services

*Corrective Actions for
Ground Water
Contamination*

Mr. Caplice is a licensed professional engineer in 16 states with 28 years of environmental engineering and consulting experience. He has an in-depth understanding of local, state and federal regulations and has performed projects in accordance with CERCLA, RCRA, CWA/Oil Pollution Act, CAA, TSCA, and FIFRA requirements. His specialized areas of expertise are evaluation of contaminated properties, assessment of risk and endangerment, regulatory compliance and permitting, hazardous waste management, industrial processes, Brownfield development, and site management including investigation, remediation, construction management, and monitoring.

Currently, Mr. Caplice is President of K-Plus Engineering, a 19 year-old, full service, engineering and consulting company with offices in Illinois, Indiana, Wisconsin, North Carolina, California, and Colorado. As President, Mr. Caplice is responsible for managing and directing the company in addition to his ongoing work as an expert in environmental matters.

For the past 23 years, he has served as a consulting environmental engineer for numerous private, public, and non-profit institutions. His responsibilities have included designing and directing various projects, particularly voluntary cleanups of contaminated soil and ground water sites, underground storage tank remediations, and NPL evaluations, investigations, and cleanups. Mr. Caplice has worked extensively on the investigation and cleanup of numerous active and abandoned industrial facilities, landfills, and other waste sites. He has also served as the project manager or senior technical advisor on hundreds of Phase I and Phase II Environmental Assessments at a multitude of sites, from small, undeveloped parcels of property to multi-location industrial facilities. Finally, Mr. Caplice has served as a technical expert on numerous State and Federal cases pertaining to the investigation and cleanup of contaminated properties as well as industrial hygiene and safety related issues pertaining to the investigation and remediation of contaminated property.

Mr. Caplice also has experience in the regulatory analysis of projects for compliance with federal and state environmental regulations, guidance, protocols, and procedures. His environmental regulatory experience includes evaluating compliance of private party actions, reviewing and preparing comments on proposed environmental laws and administrative rules, reviewing site documents and preparing detailed comments, and serving as a technical expert in various environmental cases. Mr. Caplice is also a regular speaker at environmental conferences and seminars.

Prior to joining K-Plus, Mr. Caplice served in several capacities for the USEPA, Region 5, including Manager of a Superfund unit responsible for sites in Illinois and Indiana, and Manager of the Pre-Remedial Unit that was responsible for the investigation and assessment of abandoned waste sites (CERCLIS sites) for possible inclusion on the Superfund National Priorities List. While at the USEPA, he also regularly represented the Agency at the International Joint Commission on Water Quality in the Great Lakes.