



AECOM Imagine it.
Delivered.

Prepared for:

City of Chicago
Dept of Fleet and Facility Management
Chicago, Illinois

Prepared by:

AECOM
Chicago, Illinois
60585513
January 2019

Draft Analysis of Brownfield Cleanup Alternatives

1807-1815 North Kimball Avenue
Chicago, Illinois

DRAFT



AECOM Imagine it.
Delivered.

Prepared for:

City of Chicago
Dept of Fleet and Facility Management
Chicago, Illinois

Prepared by:

AECOM
Chicago, Illinois
60585513
January 2019

Draft Analysis of Brownfield Cleanup Alternatives

1807-1815 North Kimball Avenue
Chicago, Illinois

Prepared By [Name]

Reviewed By [Name]

Contents

1.0 Introduction.....	1-1
2.0 Background.....	2-1
2.1 Site Location and Description.....	2-1
2.2 Previous Site Uses and Site History	2-1
2.3 Site Assessment Findings	2-2
2.3.1 Phase I ESAs	2-2
2.3.2 Phase II ESAs, CSIR and Additional	2-3
2.4 Project Goal	2-4
3.0 Cleanup Goals and Objectives	3-1
3.1 Cleanup Oversight Responsibility	3-1
3.2 Cleanup Standards for Major Contaminants.....	3-1
3.3 Laws & Regulations Applicable to the Cleanup.....	3-1
4.0 Alternatives Considered	4-1
4.1 Cleanup Alternatives Considered.....	4-1
4.2 Cleanup Alternative Evaluation	4-1
4.2.1 Effectiveness.....	4-2
4.2.2 Implementability	4-2
4.2.3 Cost	4-3
5.0 Selected Alternative and Proposed Cleanup Plan	5-1

List of Appendices

Appendix A Previous Investigation Data (TCE Results)

List of Tables

Table 4-1 Preliminary Remedial Alternative Evaluation Summary

List of Figures

Figure 2-1 Project Area Location Map

Figure 2-2 Sample Location and Soil Exceeding TCE C_{sat} Limit Map

1.0 Introduction

This Analysis of Brownfield Cleanup and Alternatives (ABCA) report has been prepared for the City of Chicago Department of Fleet and Facility Management (2FM) regarding the 1807-1815 North Kimball Avenue Site located in Chicago, Illinois (herein referred to as “the Site”). The proposed cleanup under the Brownfield Cleanup Grant will include the reduction of trichloroethylene (TCE) concentrations to below the soil saturation concentration (C_{sat}) limit. Later remedial actions to eliminate the soil ingestion and soil inhalation exposure pathways for areas where soil exceeds the Tiered Approach to Corrective Action Objectives (TACO) Tier 1 site remediation objectives (SROs) may be implemented concurrent with redevelopment.

This ABCA report includes the following:

- A summary of the Site background and the future use of the Property;
- A description of the previous environmental investigations and their findings, including the Phase I and Phase II Environmental Site Assessments (ESAs) and the Comprehensive Site Investigation Report (CSIR);
- Analysis of potential remediation alternatives for cleanup of the 1807-1815 North Kimball Avenue Site; and
- Selection of the most appropriate alternative.

2.0 Background

2.1 Site Location and Description

The Site occupies three parcels (PINs 13-35-409-037, 13-35-409-039, 13-35-409-042) in the northwestern portion of Chicago, Illinois, and is located adjacent to residential properties to the north and to the east, Kimball Avenue to the west and The Bloomingdale Trail to the south. The Bloomingdale Trail is an elevated greenway constructed on a former railroad running east-west on the northwest side of Chicago that forms the main line a park and trail network called The 606. The location of the subject property is depicted on **Figure 2-1**.

The Site encompasses approximately 0.4 acres and is mostly vacant with some portions covered in concrete and some portions covered in grass/soil. The Site's topography is generally flat on the northern and eastern portions, with a sloped embankment connecting the Site to the Bloomingdale Trail (approximately 15 to 16 feet above the Site grade). The elevation of the flat portion of the Site is between 600 and 605 ft above mean sea level (amsl).

The closest surface water body is a small pond in Humboldt Park approximately 0.75 miles southeast of the Site. The north branch of the Chicago River is approximately 2.8 miles east of the Site. The North Branch of the Chicago River flows south into the Chicago Sanitary and Ship Canal, away from Lake Michigan. Lake Michigan is approximately 4.5 miles east of the Site. Lake Michigan is the sole source of the City of Chicago's drinking water.

2.2 Previous Site Uses and Site History

The City of Chicago acquired the Site in 2005 through foreclosure. Prior to the City of Chicago's ownership, land use at the site was primarily industrial. The known historic uses of the Site based on historic fire insurance maps are provided below:

- In 1896, the Site was utilized as a lumberyard for the Elsmere Lumber Company (ELC) and contained a single-family dwelling on the northern portion.
- By 1921, the Site was vacant, and a concrete retaining wall existed along the southern Site boundary. Railroad spurs from the Chicago, Milwaukee, and St. Paul railroad were present to the south.
- By 1950, American Laundry Machinery Company (ALMC), which had occupied the eastern adjacent property, expanded to occupy the Site. Historical operations at ALMC included woodworking, testing, painting, crating, shipping, lumber storage, casting storage, and machine shop operations.
- By 1975, the Compco Corporation (Compco) was present in place of ALMC in the vicinity of the Site and the eastern adjacent site. Compco is described on the 1975 Sanborn Map as "Manufacturers of Fluorescent Fixtures."
- By 2003, the Site was vacant. Two small structures were demolished by the City of Chicago, one in 2001, and one in 2002/2003.

The Site was occupied for nearly a century by industrial and manufacturing operations associated with ELC, ALMC, Compco and others that occurred on the Site and the adjoining east and south properties. The property to the west (across North Kimball Avenue) was historically industrial until recent development as a multi-family apartment complex. The properties to the north have historically been single-family residential.

2.3 Site Assessment Findings

The following previous environmental investigations have been completed for this Site and its adjacent properties:

- Clean World Engineering, Ltd. (CWE), 2010, Phase I ESA Report, 1807-1815 North Kimball Avenue, Chicago, Illinois, April 2010
- Brecheisen Engineering, Inc. (Brecheisen), 2010, Phase II ESA, 1807-1815 North Kimball Avenue, Chicago, Illinois, September 2010
- Weston Solutions, Inc. (Weston), 2012, Comprehensive Site Investigations Report (CSIR), 1807-1815 North Kimball Avenue, Chicago, Illinois, July 2012
- Terracon Consultants, Inc. (Terracon), 2012, Phase I Environmental Site Assessment (ESA), 1809-1815 North Kimball Avenue, Chicago, Illinois, August 2012
- Terracon, 2013, Phase II Site Investigation Summary, 1809 North Kimball Avenue, Chicago, Illinois, January 2013
- AECOM, 2018, Additional Investigation, 1807-1815 N Kimball Ave, Chicago, Illinois, October 2018

These previous environmental investigations are further described in the following sections.

2.3.1 Phase I ESAs

The following recognized environmental conditions (RECs) were identified based on the Phase I ESA Reports, prepared by Northern (2003), CWE (2010), and Terracon (2012):

- Long term historical Site uses that included metals, painting, automobile or other warehousing, lumber storage and warehousing, storage operations and other industrial uses assumed to be associated with historic and adjoining Site operations by ELC, ALMC, Compco and others.
- Records for two heating oil underground storage tanks (USTs) (23,000-gallon and 25,000-gallon) installed on the eastern adjacent property in 1952 were identified, with no documentation on the disposition
- Listings of the eastern adjacent property a Resource Conservation and Recovery Act (RCRA) Small Quantity Generator (SQG) of hazardous waste and a RCRA non-generator
- Light industrial facility (manufactured fluorescent light bulbs and fixtures) adjoining to the east is listed as a former small quantity RCRA generator facility,
- History of long term uses that include lumber storage and warehousing and storage operations,
- Documented soil and groundwater contamination onsite, documented onsite fill material, and
- Potential for USTs located southeast of the site.

Based on the historical Site use and RECs, the primary sources of contamination are likely derived from paint, lumber, and automobile warehouse operations at the Site, urban fill, potential petroleum releases from two heating oil USTs (23,000-gallon and 25,000-gallon) installed on the eastern adjacent Site in 1952, and potential historical releases from the Site and adjacent property formerly occupied by ELC, ALMC, Compco and others.

2.3.2 Phase II ESAs, CSIR and Additional

Subsurface environmental investigations, including the Phase II ESAs and sampling associated with the CSIR and recent, additional investigations were completed for this site and its adjacent properties between November 2002 and October 2018. The 2012 CSIR, completed by Weston, was funded under a Targeted Brownfields Assessments (TBA) Grant and the 2013 Terracon Phase I and Phase II ESAs were funded under the City's 2008 Hazardous and Petroleum Area Wide Assessment Grant.

The scope of work and results of each of these investigations are summarized below:

Investigation	Scope of Work	Results
Brecheisen 2010, <i>Phase II ESA, 1807-1815 N Kimball Ave</i>	Advancement of eight soil borings to depths of 6- to 24-feet Collection of soil samples Installation of three monitoring wells Collection of groundwater samples	Soil analytical results exceed applicable Illinois TACO SROs for SVOCs and Metals Groundwater analytical exceed applicable Class II Groundwater Remediation Objectives (GROs) for VOCs and metals
Weston, 2012, <i>CSIR, 1807-1815 N Kimball Ave</i>	Advancement of ten soil borings to a maximum depth of 20-feet Collection of soil samples including fraction organic carbon analyses Collection of groundwater samples, field parameters and hydraulic conductivity	Soil analytical results exceed applicable Illinois TACO SROs for volatile organic compounds (VOCs) and SVOCs Groundwater analytical exceed applicable Class II GROs for VOCs
Terracon, 2013, <i>Phase II Site Investigation Summary, 1809 N Kimball Ave</i>	Advancement of five soil borings to depths of 15 to 30 feet Collection of soil samples Collection of six soil gas samples Installation of four monitoring wells Collection of groundwater samples	Soil analytical results exceed applicable Illinois TACO SROs for VOCs and SVOCs Soil gas analytical results exceed Tier 1 Remedial Objectives (ROs) for Residential Indoor Inhalation for VOCs Groundwater analytical exceed applicable Class II GROs for VOCs
AECOM, 2018 <i>Additional Investigation, 1807-1815 N Kimball Ave</i>	Advancement of 22 soil borings to a maximum depth of 30 feet Collection of soil samples Collection of four soil gas samples Collection of four groundwater samples Collection of a Total Oxidant Demand sample	Results are preliminary at present, and in draft form. When finalized, they will better define the extent of TCE above the soil saturation limit, better delineate the extent of soil vapor impacts, and inform soil remediation design.

The investigations listed above found that concentrations of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and inorganics in soil at the site exceeded applicable Illinois TACO SROs, and that TCE concentrations in some soil on the eastern portion of the Site exceed the C_{sat} limit. Groundwater results from the site investigations exceeded the applicable Class II Groundwater Remediation Objectives (GROs). Soil gas samples at two locations exceeded Tier 1 Remediation Objectives (ROs) for Indoor Inhalation for residential properties for TCE, and at one location also for Vinyl Chloride.

A summary of the analytical results from prior Site investigations, including the Phase II ESAs, the CSIR sampling event, and the 2018 additional investigation are provided in **Appendix A**. A sample location and C_{sat} exceedance map is provided as **Figure 2-2**.

2.4 Project Goal

The cleanup activities to be performed under this grant are critical steps in advancing the Site cleanup for reuse. The ultimate goal is to redevelop the Site as a public park that will be connected to the adjacent Bloomingdale Trail, allowing it to serve as an access point to the elevated greenway and multi-use recreational path (The 606)

3.0 Cleanup Goals and Objectives

3.1 Cleanup Oversight Responsibility

The Site will be enrolled in the voluntary Illinois Site Remediation Program (SRP), which is overseen by the Illinois EPA. The steps in the regulatory process for the Site will be to update and submit the CSIR, prepare a Remediation Objectives Report (ROR) and Remedial Action Plan (RAP), implement remediation, and submit a Remedial Action Completion Report (RACR) to document the cleanup actions. The SRP will provide technical support and review of these reports, and will approve or deny reports based on fulfillment of the requirements of the SRP and the Illinois Tiered Approach to Remedial Action Objectives (TACO) regulations that govern environmental cleanups and risk assessment in the state. Successful remediation will result in receipt of a Comprehensive No Further Remediation (NFR) letter from the Illinois EPA in accordance with 35 IAC Part 740 (the SRP). The proposed cleanup under the Brownfield Cleanup Grant includes the reduction of TCE concentrations to below the C_{sat} limit which is a critical step to fulfill the SRP requirements and receive an NFR letter.

The City of Chicago will contract with a professional environmental consultant to provide technical assistance, design, report preparation, and oversight services during the remediation process. The consultant will provide the services of professional scientists and engineers licensed in Illinois to prepare, review, and certify technical reports for submittal to the Illinois EPA.

3.2 Cleanup Standards for Major Contaminants

Sites enrolled in the Illinois SRP must evaluate and address exposure pathways for contaminants that exceed applicable cleanup standards in accordance with the rules and regulation found in 35 IAC Parts 740 and 742 (The SRP and TACO). The City anticipates that the TACO ROs for residential use and Class II groundwater will be used as the first-tier cleanup standards. The City also anticipates the development of site-specific, risk-based ROs for specific contaminants of concern in accordance with the SRP and TACO regulations.

3.3 Laws & Regulations Applicable to the Cleanup

Laws and regulations that are applicable to this cleanup include the Federal Small Business Liability Relief and Brownfields Revitalization Act, the Federal Davis-Bacon Act, state environmental law, and local regulations. Federal, state, and local laws regarding procurement of contractors to conduct the cleanup will be followed.

In addition, all appropriate permits (e.g., notify before you dig, soil transport/disposal manifests) will be obtained prior to the work commencing.

4.0 Alternatives Considered

4.1 Cleanup Alternatives Considered

The proposed Cleanup under the Brownfield Cleanup Grant will include implementation of a remedial technology to reduce TCE concentrations identified in the eastern portion of the site to below the C_{sat} limit. Additional actions to fulfill the SRP requirements and receive an NFR letter may include the installation of an engineered barrier to eliminate soil ingestion and soil inhalation exposure pathways of soil with concentrations of VOCs, SVOCs and inorganics that exceed the applicable TACO Tier 1 SROs.

As part of the NFR letter, institutional controls (ICs) will be implemented in the form of a deed restriction or environmental restrictive covenant to ensure the long-term effectiveness of the soil remedy by protecting the engineered barrier and ensuring health and safety of future construction workers. The ICs would require appropriate health and safety precautions (e.g. site-specific Health and Safety Plan (HASP) and a construction worker caution zone) prior to any future remediation / construction activities.

Remediation of groundwater and soil vapor is not anticipated. No direct groundwater remedy other than remediation of source soils to below C_{sat} concentrations is anticipated. The exposure path of groundwater that exceeds TACO GROs will be addressed by the City of Chicago Municipal Code 11-8-390 which prohibits the installation of new potable water supply wells. Onsite indoor air vapor intrusion is not considered a risk based on the future use of the site as a greenspace park. Potential offsite impacts will continue to be evaluated and, if needed, will be addressed under separate funding.

A preliminary evaluation of remedial alternatives that were considered is provided in **Table 4-1**. Alternatives that were determined to have low effectiveness, low implementability or prohibitive costs were not evaluated further. The following alternatives warranted further consideration and have been evaluated in subsequent sections:

Alternative #1 – No Action

Alternative #2 – Excavation and Landfill Disposal of Soil exceeding TCE C_{sat} Limit

Alternative #3 – In Situ Chemical Oxidation Treatment (Soil Mixing) of Soil exceeding TCE C_{sat} Limit

4.2 Cleanup Alternative Evaluation

Cleanup technologies proposed to address the soil contamination to be remediated under the Brownfield Cleanup Grant were evaluated based on established criteria including the following: effectiveness (protection of human health and the environment, proven long- and short-term effectiveness of the remedy, regulatory compliance, reduction in toxicity/mobility/volume), implementability (probability of success, feasibility and schedule) and cost. Costs for the additional actions to fulfill the SRP requirements and receive an NFR letter were not included in this evaluation.

4.2.1 Effectiveness

Alternative #1: The Alternative #1 No Action is not considered effective. No Action would leave the Site in its current state and would not address the soil exceeding TCE C_{sat} Limit. This alternative would leave soil with TCE concentrations that exceed the C_{sat} limit (considered "source material") in place. The Site would not meet IEPA TACO regulations and would not be eligible to receive an NFR letter.

Alternative #2: The effectiveness of Alternative #2 Excavation of Soil exceeding TCE C_{sat} Limit is high. Soil Excavation would remove soil containing TCE concentrations that exceed the C_{sat} limit and transport material offsite for disposal at an appropriate facility. Soil samples collected from the base and walls of the excavation area would confirm soil exceeding the TCE C_{sat} Limit was fully removed.

Additional actions may be implemented to fulfill the SRP requirements including the installation of an engineered barrier (either a 3-foot geological barrier or 18-inch equivalent geotextile and soil barrier) across the full site. This is an effective way to eliminate the soil ingestion exposure route, with an enhanced (10' clean soil or clean fill plus vapor barrier) soil inhalation barrier where needed. The engineered barrier would effectively protect human health and the environment by preventing contact with contaminated soil as long as the barrier is maintained. An institutional control would need to be instituted to protect the engineered barrier and to ensure health and safety of future construction workers. An Operation and Maintenance Plan (O&M Plan) and regular maintenance would be recommended to monitor and protect the engineered barrier.

Alternative #3: The effectiveness of Alternative #3 – In Situ Chemical Oxidation Treatment (Soil Mixing) of Soil exceeding TCE C_{sat} Limit is high. ISCO has been proven to be effective at reducing TCE concentrations that exceed the C_{sat} limit to below the C_{sat} limit when reactants can reach contaminants. Soil mixing is the preferable reactant delivery method in low-permeability soils like those found at the Site. Soil samples will be collected from a variety of depths and locations within the treated mass to confirm the remaining levels of TCE in soil are below the C_{sat} limit.

Additional actions may be implemented to fulfill the SRP requirements including the installation of an engineered barrier (either a 3-foot geological barrier or 18-inch equivalent geotextile and soil barrier) across the full site. This is an effective way to eliminate the soil ingestion exposure route, with an enhanced (10' clean soil or clean fill plus vapor barrier) soil inhalation barrier where needed. The engineered barrier would effectively protect human health and the environment by preventing contact with contaminated soil as long as the barrier is maintained. An institutional control would need to be instituted to protect the engineered barrier and to ensure health and safety of future construction workers. An O&M Plan and regular maintenance would be recommended to monitor and protect the engineered barrier.

4.2.2 Implementability

Alternative #1: Implementing Alternative #1 No Action is simple/effortless. No actions are required to be completed.

Alternative #2: The ease of implementing Alternative #2 Excavation of Soil exceeding TCE C_{sat} Limit is moderate. The zone of soil exceeding TCE C_{sat} Limit is 8 feet to 20 feet below grade. Implementation would include removal and onsite stockpiling of the top 8 feet of soil, potential dewatering, design and installation of an excavation support system, excavation and offsite disposal of Soil exceeding the TCE C_{sat} Limit, and backfilling the excavation using unimpacted spoils from onsite and/or imported clean fill.

Installation of the engineered barrier would include the removal of surface soil across the site, offsite disposal or reuse of this material as backfill in the TCE C_{sat} excavation area, importing of clean soil and (if needed) geotextile/vapor barrier, and placement of imported material across the site. Regular maintenance in accordance with the O&M Plan would be recommended.

Community air monitoring and dust/odor suppression may be needed during cleanup activities. If dewatering is required, water will need to be treated and discharged either to the local POTW via a permit or disposed of at an offsite facility. Short-term disturbance to the community (e.g., trucks transporting contaminated soils and backfill) are anticipated.

Alternative #3: The ease of implementing Alternative #3 – In Situ Chemical Oxidation Treatment (Soil Mixing) of Soil exceeding TCE C_{sat} Limit is moderate. The zone of soil exceeding the TCE C_{sat} Limit is 8 feet to 20 feet below grade. Implementation would include removal and onsite stockpiling of the top 8 feet of soil, potential dewatering, design and installation of an excavation support system, treatment of soil exceeding the TCE C_{sat} Limit using ISCO applied by soil mixing. Additional applications of ISCO may be required based on confirmation sampling.

Installation of the engineered barrier would include the removal and disposal of surface soil across the site, importing of clean soil and (if needed) geotextile/vapor barrier, and placement of imported material across the site. Regular maintenance in accordance with the O&M Plan would be recommended.

Community air monitoring and dust/odor suppression may be needed during cleanup activities. If dewatering is required, water will need to be treated and discharged either to the local POTW (assuming they accept the water) via an NPDES permit or disposed of at an offsite facility.

4.2.3 Cost

Alternative #1: The costs to implement No Action would be minimal.

Alternative #2: The estimated rough order of magnitude costs to implement Excavation of Soil exceeding TCE C_{sat} Limit would be approximately \$1,157,000.

Alternative #3: The estimated rough order of magnitude costs to implement In Situ Chemical Oxidation Treatment (Soil Mixing) of Soil exceeding TCE C_{sat} Limit would be approximately \$720,000.

5.0 Selected Alternative and Proposed Cleanup Plan

The recommended cleanup alternative is Alternative #3 – In Situ Chemical Oxidation Treatment (Soil Mixing) of Soil exceeding TCE C_{sat} Limit and Engineered Barrier. Alternative #1: No Action cannot be recommended since it does not address site risks to human health and the environment. Both Alternative #2 and Alternative #3 are effective remedial options that use confirmation sampling to verify the reduction of TCE in soil to below the C_{sat} Limit. Both Alternative #2 and Alternative #3 include similar implementation challenges and long-term maintenance, but are considered moderately simple to implement. Alternative #2 may cause slightly more short-term disturbance to the community (e.g., trucks transporting contaminated soils and backfill) than Alternative #3. The estimated remediation cost of Alternative #3 (approximately \$720,000) is approximately 38% less than the estimated cost of Alternative #2 (approximately \$1,157,000).

DRAFT

Table

Table 4-1
Remedial Alternatives Preliminary Evaluation
2FM 1807-1815 N. Kimball Site
Chicago, Illinois

Project Remedial Goals: Clean-up the Site for future redevelopment as a greenspace park

1. Reduce TCE concentrations below soil saturation concentration (C_{sat})
2. Eliminate soil ingestion and inhalation exposure pathways(s) for soil exceeding the TACO Tier 1 SROs

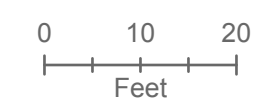
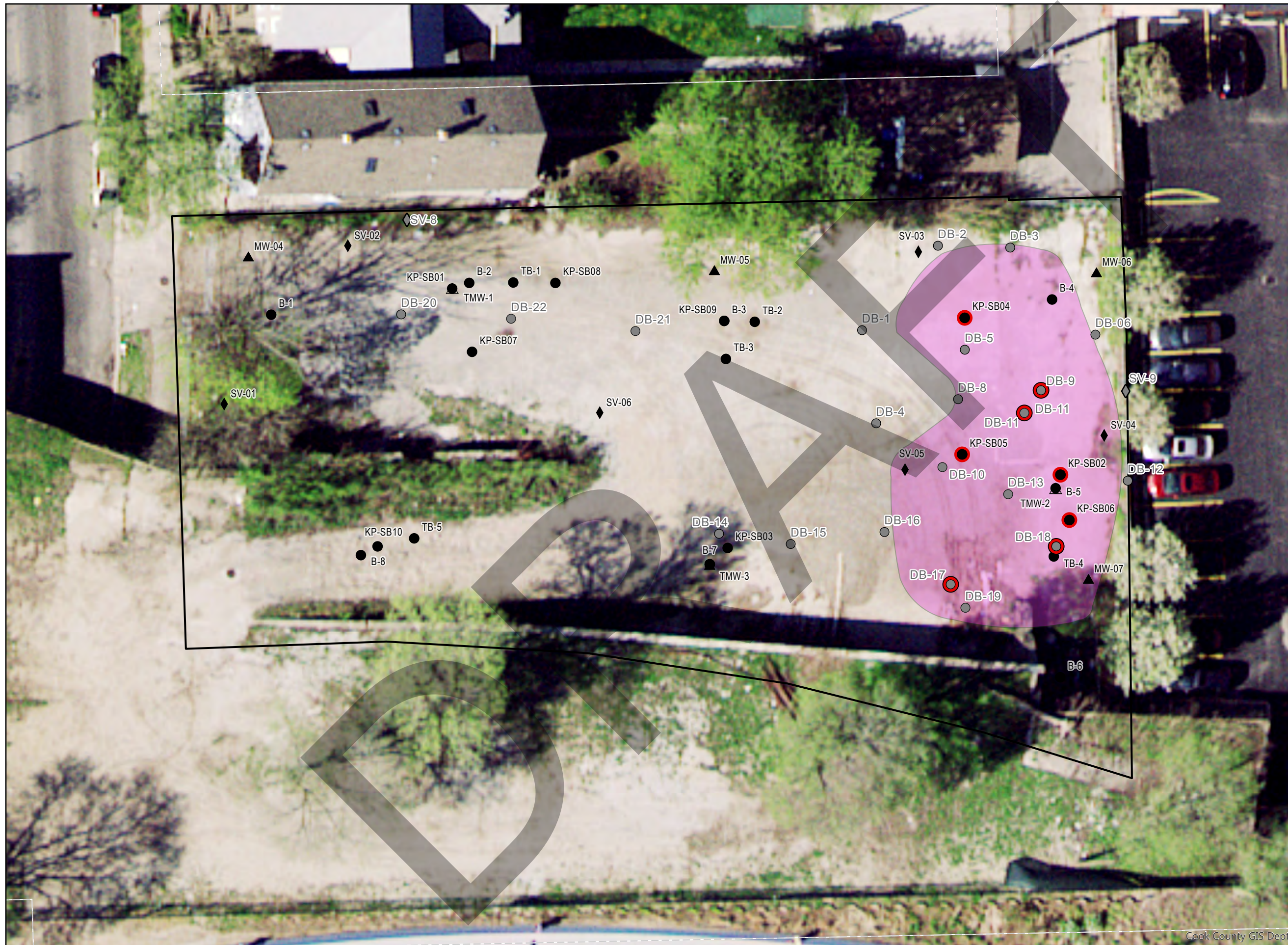
Institutional Controls:

1. Land-use restriction to protect and ensure long-term effectiveness of soil remedy
2. City of Chicago Municipal Code to eliminate groundwater and soil migration to groundwater exposure pathways.

Project Remedial Goals:	Grant Project: Reduction of TCE below C_{sat}						Future Phase (as additional funding becomes available): Eliminate soil ingestion and inhalation pathways	
	Excavation and Disposal	<i>In Situ</i> Chemical Oxidation - Soil Mixing	<i>In Situ</i> Chemical Oxidation - Direct Injection	<i>In Situ</i> Bioremediation	<i>In Situ</i> Air Sparge / Soil Vapor Extraction	<i>In Situ</i> Thermal Treatment	Engineered Barrier (3-ft geological or 18-inch soil and geotextile equivalent)	Excavation and Disposal
Effectiveness Proven effectiveness for intended application	Excavation and offsite disposal would remove soil with TCE above the C_{sat} limit from the Site.	ISCO treatment has been proven effective at reducing VOCs to below C_{sat} as long as reactants can reach contaminants. Soil mixing is effective at delivering reactant even in low-permeability soils.	ISCO treatment has been proven to be effective at reducing VOCs below C_{sat} if reactants can reach contaminants; however, Site geology has low-permeability soil which would prevent reactant from reaching contaminants.	The predominance of TCE, and relatively low concentration of TCE biodegradation products, indicates that only limited natural biodegradation occurring at this site.	Air Sparge / Soil Vapor Extraction would be ineffective in the Site's low permeability glacial till (mean hydraulic conductivity of approximately 6×10^{-7} cm/s) and in the predominantly clay geology in the TCE C_{sat} exceedance zone.	This technology has been proven to reduce VOC source material. It has been used to recover free-product by heating the subsurface and groundwater to close to the boiling point of water (~100°C).	An engineered barrier would eliminate exposure risk by preventing receptors from coming into contact with contaminated soils. An institutional control would be needed.	Excavation and offsite disposal would eliminate exposure risk at the Site by removing and properly disposing the contaminated soil.
Effectiveness Rating (Low, Moderate, High)	High	High to Moderate	Low to Moderate	Low	Low	High	High	High
Implementability Ease of implementation	Implementation would include removal and stockpiling of the top 8 feet of soil, potential dewatering, design and installation of an excavation support system, excavation and offsite disposal of Soil exceeding the TCE C_{sat} Limit, and backfilling the excavation using unimpacted spoils from onsite and/or imported clean fill.	Implementation of ISCO soil mixing would include removal and stockpiling of the top 8 feet of soil, potential dewatering, design and installation of an excavation support system, treatment of soil exceeding the TCE C_{sat} Limit using ISCO applied by soil mixing. Additional applications of ISCO may be required based on confirmation sampling.	ISCO direct injection will not be easy to implement due to predominantly clay geology in the TCE C_{sat} exceedance zone. TOD must be met by the oxidants applied to the treatment zone, and the overall water injection rates must allow adequate pore flushing and contact with TCE in the formation to treat VOCs to levels below C_{sat} . Implementation would require installation of multiple injection wells in the source area in order to deliver the oxidant. Multiple rounds of injections should be expected for this technology.	Implementation of bioremediation is not considered favorable.	Implementation of Air Sparge / SVE will be very difficult given the low permeability glacial till formation and predominantly clay geology in the TCE-source zone.	Implement of thermal treatment is feasible but would likely require a extensive timeframe. Implementation would include installation of steel wells, application of electric current to each electrode which would flow between electrodes via the soil and groundwater. The resistance offered by the media (to the flow of current) results in heating the soil and facilitates remediation.	Implementation of an engineered barrier across the site would include removal of surface soil, installation of geotextile and importation and placement of clean soil across the site. The site is open and the planned end use is greenspace. Regular barrier maintenance in accordance with an O&M Plan would be needed.	Excavation with offsite disposal of all soil exceeding the TACO Tier 1 SROs would require additional delineation sampling. The known depths of contaminated soils may in places require excavation to extend below the water table, requiring dewatering and installation of a sheeting system to excavate to the property boundary.
Implementability Rating (Low, Moderate, High)	Moderate	Moderate	Low to Moderate	Low	Low	High	High	Low
Cost Cost Rough Order of Magnitude (ROM) of Implementation Ranges: <i>Very High</i> >\$2MM, <i>High</i> \$1-\$2MM, <i>Medium</i> \$500K-1MM, <i>Low</i> <\$500K	<i>Medium</i>	<i>Medium</i>	<i>Medium</i>	<i>Medium</i>	<i>Medium to High</i>	<i>Very High</i>	<i>Low</i>	<i>Medium to High</i>
Further Evaluation	Evaluate	Evaluate	Further Evaluation not warranted	Further Evaluation not warranted	Further Evaluation not warranted	Further Evaluation not warranted	Evaluate	Further Evaluation not warranted

DRAFT

Figures



- Project Site
- Cook County Parcel Boundary
- Sample Location - October 2018 Investigation (Preliminary)²**
 - Soil Boring
 - Soil Vapor Point
 - Soil Boring (TCE exceeds C_{sat} limit)
- Sample Location - Previous Investigations by BEI (2010)^{1a}, Weston (2012)^{1b}, and Terracon (2012)^{1c}**
 - Temporary Monitoring Well
 - Soil Boring
 - Soil Vapor Point
 - Permanent Monitoring Well (assume viable for sampling)
 - Soil Boring (TCE exceeds C_{sat} limit)
 - Area of Soil Exceeding TCE C_{sat} Limit

Note:

1. The locations of previously installed soil borings, monitoring wells and soil vapor points are based on the following reports:
 - a. Phase II Environmental Site Assessment dated September 24, 2010 and prepared by Brecheisen Engineering, Inc. (BEI). Soil Borings include B-1 to B-8. Temporary Monitoring wells include TMW-1, TMW-2 and TMW-3 (assume wells were decommissioned).
 - b. Comprehensive Site Investigation Report for the Kimball Avenue Park dated July 27, 2012 and prepared by Weston Solutions, Inc. (Weston). Soil Borings include KP-SB01 to KP-SB10.
 - c. Phase II Site Investigation Summary dated January 22, 2013 and prepared by Terracon Consultants, Inc. (Terracon). Soil Borings include TB-01 to TB-05. Monitoring wells include MW-4 to MW-7 (assume wells are viable for sampling). Soil Vapor Points include SV-01 to SV-06.
2. Sample locations shown in grey were from the additional investigation completed by AECOM in October 2018. These locations and results are preliminary at present, and in draft form. Soil borings included DB-1 to DB-22 and soil vapor points included SV-7, SV-8, SV-9 and SV-10.

Figure 2-2
Sample Location and Soil Exceeding TCE C_{sat} Limit Map



Appendix A

**Previous Investigation Data
(TCE Results)**

DRAFT

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-1	B-1	B-1	B-1	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01
	Field Sample ID:	B-1 (0-3)	B-1 (3-6)	B-1 (6-9)	B-1 (9-12)	B-2 (3-6)	B-2 (6-9)	B-2 (9-12)	KP-SB01(18-20)	KP-SB01(18-20) D
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	3- 6	6- 9	9- 12	18- 20	18- 20
pH	SU	10.1	8.1	8.3	NA	8.1	8.7	NA	NA	NA
Fractional Organic Carbon	%	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Carbon Content	%	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Inorganics										
Aluminum	mg/kg	NA	NA	NA	NA	22,000	NA	NA	NA	NA
Antimony	mg/kg	NA	NA	NA	NA	3.3	NA	NA	NA	NA
Arsenic	mg/kg	3.3	8.5	NA	NA	11	9.9	NA	NA	NA
Barium	mg/kg	32	110	NA	NA	140	62	NA	NA	NA
Beryllium	mg/kg	NA	NA	NA	NA	1.6	NA	NA	NA	NA
Cadmium	mg/kg	0.52 U	0.51 U	NA	NA	0.69	0.58 U	NA	NA	NA
Calcium	mg/kg	NA	NA	NA	NA	14,000	NA	NA	NA	NA
Chromium	mg/kg	88	38	28	21	37	20	NA	NA	NA
Cobalt	mg/kg	NA	NA	NA	NA	14	NA	NA	NA	NA
Copper	mg/kg	NA	NA	NA	NA	75	NA	NA	NA	NA
Cyanide	mg/kg	NA	NA	NA	NA	0.32 U	NA	NA	NA	NA
Iron	mg/kg	NA	NA	NA	NA	30,000	NA	NA	NA	NA
Lead	mg/kg	14	30	NA	NA	180	16	NA	NA	NA
Magnesium	mg/kg	NA	NA	NA	NA	11,000	NA	NA	NA	NA
Manganese	mg/kg	NA	NA	NA	NA	330	NA	NA	NA	NA
Mercury	mg/kg	0.025 U	0.029 U	NA	NA	0.84	0.03 U	NA	NA	NA
Nickel	mg/kg	NA	NA	NA	NA	46	NA	NA	NA	NA
Potassium	mg/kg	NA	NA	NA	NA	3,900	NA	NA	NA	NA
Selenium	mg/kg	1 U	1 U	NA	NA	3	1.2 U	NA	NA	NA
Silver	mg/kg	1 U	1 U	NA	NA	1.3 U	1.2 U	NA	NA	NA
Sodium	mg/kg	NA	NA	NA	NA	340	NA	NA	NA	NA
Thallium	mg/kg	NA	NA	NA	NA	1.3 U	NA	NA	NA	NA
Vanadium	mg/kg	NA	NA	NA	NA	42	NA	NA	NA	NA
Zinc	mg/kg	NA	NA	NA	NA	110	NA	NA	NA	NA
TCLP Metals										
Arsenic, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	mg/L	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-1	B-1	B-1	B-1	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01
	Field Sample ID:	B-1 (0-3)	B-1 (3-6)	B-1 (6-9)	B-1 (9-12)	B-2 (3-6)	B-2 (6-9)	B-2 (9-12)	KP-SB01(18-20)	KP-SB01(18-20) D
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	3- 6	6- 9	9- 12	18- 20	18- 20
Pesticides										
4,4'-DDD	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
4,4'-DDE	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
4,4'-DDT	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
Aldrin	mg/kg	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA	NA
alpha-BHC	mg/kg	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA	NA
beta-BHC	mg/kg	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA	NA
Chlordane (Technical)	mg/kg	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA	NA
delta-BHC	mg/kg	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA	NA
Dieldrin	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
Endosulfan I	mg/kg	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA	NA
Endosulfan II	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
Endosulfan sulfate	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
Endrin	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
Endrin aldehyde	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
Endrin ketone	mg/kg	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA	NA
gamma-BHC (Lindane)	mg/kg	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA	NA
Heptachlor	mg/kg	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA	NA
Heptachlor epoxide	mg/kg	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA	NA
Methoxychlor	mg/kg	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA	NA
Toxaphene	mg/kg	0.16 U	NA	NA	NA	0.16 U	NA	NA	NA	NA
PCBS										
PCB-1016 (Aroclor 1016)	mg/kg	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	mg/kg	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	mg/kg	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	mg/kg	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	mg/kg	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	mg/kg	0.16 U	NA	NA	NA	0.16 U	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	mg/kg	0.16 U	NA	NA	NA	0.16 U	NA	NA	NA	NA
Herbicides										
2,4,5-T	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dalapon	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dinoseb	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Picloram	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-1	B-1	B-1	B-1	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01
	Field Sample ID:	B-1 (0-3)	B-1 (3-6)	B-1 (6-9)	B-1 (9-12)	B-2 (3-6)	B-2 (6-9)	B-2 (9-12)	KP-SB01(18-20)	KP-SB01(18-20) D
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	3- 6	6- 9	9- 12	18- 20	18- 20
VOCs										
1,1,1,2-Tetrachloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,1,1-Trichloroethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
1,1,2,2-Tetrachloroethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
1,1,2-Trichloroethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.05	0.0046 U	0.0062 U
1,1-Dichloroethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
1,1-Dichloroethene	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.05	0.0043 J	0.0051 J
1,1-Dichloropropene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,2,3-Trichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,2,3-Trichloropropane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,2,4-Trimethylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0037 J	0.0062 U
1,2-Dibromoethane (EDB)	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,2-Dichloroethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
1,2-Dichloropropane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
1,3,5-Trimethylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,3-Dichloropropane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
1,4-Difluorobenzene	mg/kg	0.05	NA	0.05	NA	0.06	0.06	NA	NA	NA
2,2-Dichloropropane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
2-Butanone (MEK)	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.023 U	0.031 U
2-Chlorotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
2-Hexanone	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.092 U	0.12 U
4-Chlorotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
4-Methyl-2-pentanone (MIBK)	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.023 U	0.031 U
Acetone	mg/kg	0.05 U	NA	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.092 U	0.12 U
Acrolein	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.092 U	0.12 U
Acrylonitrile	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.092 U	0.12 U
Benzene	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.008	0.2	0.005 U	0.0046 U	0.0062 U
Bromobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Bromochloromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Bromodichloromethane	mg/kg	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0046 U	0.0062 U
Bromoform	mg/kg	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0046 U	0.0062 U
Bromomethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
Carbon disulfide	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0092 U	0.012 U
Carbon tetrachloride	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-1	B-1	B-1	B-1	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01
	Field Sample ID:	B-1 (0-3)	B-1 (3-6)	B-1 (6-9)	B-1 (9-12)	B-2 (3-6)	B-2 (6-9)	B-2 (9-12)	KP-SB01(18-20)	KP-SB01(18-20) D
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	3- 6	6- 9	9- 12	18- 20	18- 20
Chlorobenzene	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
Chloroethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
Chloroform	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	6.13	0.0061	0.0034 J
Chloromethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
cis-1,2-Dichloroethene	mg/kg	0.01	NA	0.05	0.005 U	0.2	368	1.16	0.077	0.045
cis-1,3-Dichloropropene	mg/kg	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0046 U	0.0062 U
Dibromochloromethane	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
Dibromomethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Dichlorodifluoromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Ethyl methacrylate	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.092 U	0.12 U
Ethylbenzene	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	3	0.01	0.0046 U	0.0062 U
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Iodomethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.092 U	0.12 U
Isopropylbenzene (Cumene)	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Methylene Chloride	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.018 U	0.025 U
Methyl-tert-butyl ether	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
Naphthalene, VOC	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
n-Butylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0036 J	0.0062 U
n-Hexane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.019	0.0062 U
n-Propylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0039 J	0.0062 U
Pentafluorobenzene	mg/kg	0.05	NA	0.05	NA	0.06	0.06	NA	NA	NA
p-Isopropyltoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
sec-Butylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Styrene	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.0046 U	0.0062 U
tert-Butylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Tetrachloroethene	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.05	1	0.04	0.0046 U	0.0062 U
Toluene	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.008	10	0.28	0.0029 J	0.0062 U
trans-1,2-Dichloroethene	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.005 U	8	0.06	0.0034 J	0.0062 U
trans-1,3-Dichloropropene	mg/kg	0.002 U	NA	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	0.0046 U	0.0062 U
trans-1,4-Dichloro-2-butene	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.092 U	0.12 U
Trichloroethene	mg/kg	0.03	NA	0.09	0.005 U	0.3	599	408	8.2	9.6
Trichlorofluoromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.0046 U	0.0062 U
Vinyl acetate	mg/kg	NA	NA	NA	NA	NA	NA	NA	0.092 U	0.12 U
Vinyl chloride	mg/kg	0.002 U	NA	0.002 U	0.002 U	0.002 U	11	0.16	0.016	0.012
Xylene (Total)	mg/kg	0.005 U	NA	0.005 U	0.005 U	0.006	4	0.05	0.0092 U	0.012 U

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-1	B-1	B-1	B-1	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01
	Field Sample ID:	B-1 (0-3)	B-1 (3-6)	B-1 (6-9)	B-1 (9-12)	B-2 (3-6)	B-2 (6-9)	B-2 (9-12)	KP-SB01(18-20)	KP-SB01(18-20) D
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	3- 6	6- 9	9- 12	18- 20	18- 20
SVOCs										
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	NA	NA	NA	NA	0.22 U	0.22 U	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	NA	NA	NA	NA	0.06 U	0.06 U	NA	NA	NA
2,4-Dichlorophenol	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
2,4-Dimethylphenol	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	NA	NA	NA	NA	0.21 U	0.21 U	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	NA	NA	NA	NA	0.1 U	0.1 U	NA	NA	NA
2-Chloronaphthalene	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
2-Chlorophenol	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
2-Methylnaphthalene	mg/kg	NA	NA	NA	NA	0.12 U	0.12 U	NA	NA	NA
2-Methylphenol(o-Cresol)	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
2-Nitroaniline	mg/kg	NA	NA	NA	NA	3.3 U	3.3 U	NA	NA	NA
2-Nitrophenol	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
3&4-Methylphenol(m&p Cresol)	mg/kg	NA	NA	NA	NA	0.83 U	0.83 U	NA	NA	NA
3,3'-Dichlorobenzidine	mg/kg	NA	NA	NA	NA	0.11 U	0.11 U	NA	NA	NA
3-Nitroaniline	mg/kg	NA	NA	NA	NA	3.3 U	3.3 U	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NA	NA	NA	NA	2 U	2 U	NA	NA	NA
4-Bromophenylphenyl ether	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NA	NA	NA	NA	1.3 U	1.3 U	NA	NA	NA
4-Chloroaniline	mg/kg	NA	NA	NA	NA	0.33 U	0.33 U	NA	NA	NA
4-Chlorophenylphenyl ether	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
4-Nitroaniline	mg/kg	NA	NA	NA	NA	3.3 U	3.3 U	NA	NA	NA
4-Nitrophenol	mg/kg	NA	NA	NA	NA	3.3 U	3.3 U	NA	NA	NA
Acenaphthene	mg/kg	0.05 U	0.05 U	NA	NA	0.15 U	0.15 U	NA	NA	NA
Acenaphthylene	mg/kg	0.05 U	0.05 U	NA	NA	0.07 U	0.07 U	NA	NA	NA
Anthracene	mg/kg	0.12	0.08 U	NA	NA	0.3 U	0.3 U	NA	NA	NA
Benzo(a)anthracene	mg/kg	2.42	0.008 U	NA	NA	0.07 U	0.07 U	NA	NA	NA
Benzo(a)pyrene	mg/kg	4.58	0.02 U	NA	NA	0.07 U	0.07 U	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	6.29	0.05	NA	NA	0.06 U	0.06 U	NA	NA	NA
Benzo(g,h,i)perylene	mg/kg	3.76	0.15	NA	NA	0.12 U	0.12 U	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	2.09	0.02	NA	NA	0.12 U	0.12 U	NA	NA	NA
Benzyl alcohol	mg/kg	NA	NA	NA	NA	1.3 U	1.3 U	NA	NA	NA
bis(2chloro1methylethyl) ether	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-1	B-1	B-1	B-1	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01	B-2/KP-SB01
	Field Sample ID:	B-1 (0-3)	B-1 (3-6)	B-1 (6-9)	B-1 (9-12)	B-2 (3-6)	B-2 (6-9)	B-2 (9-12)	KP-SB01(18-20)	KP-SB01(18-20) D
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	3- 6	6- 9	9- 12	18- 20	18- 20
bis(2-Chloroethoxy)methane	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
bis(2-Chloroethyl) ether	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
Butylbenzylphthalate	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
Carbazole	mg/kg	NA	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA
Chrysene	mg/kg	2.58	0.05 U	NA	NA	0.09 U	0.09 U	NA	NA	NA
Dibenz(a,h)anthracene	mg/kg	0.25	0.02 U	NA	NA	0.11 U	0.11 U	NA	NA	NA
Dibenzofuran	mg/kg	NA	NA	NA	NA	0.22 U	0.22 U	NA	NA	NA
Diethylphthalate	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
Dimethylphthalate	mg/kg	NA	NA	NA	NA	3.3 U	3.3 U	NA	NA	NA
Di-n-butylphthalate	mg/kg	NA	NA	NA	NA	0.5 U	0.5 U	NA	NA	NA
Di-n-octylphthalate	mg/kg	NA	NA	NA	NA	0.86 U	0.86 U	NA	NA	NA
Fluoranthene	mg/kg	2.16	0.05 U	NA	NA	0.18	0.09 U	NA	NA	NA
Fluorene	mg/kg	0.03 U	0.03 U	NA	NA	0.14 U	0.14 U	NA	NA	NA
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
Hexachlorobenzene	mg/kg	NA	NA	NA	NA	0.07 U	0.07 U	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	NA	NA	NA	NA	0.17 U	0.17 U	NA	NA	NA
Hexachloroethane	mg/kg	NA	NA	NA	NA	0.13 U	0.13 U	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	3.45	0.11	NA	NA	0.13 U	0.13 U	NA	NA	NA
Isophorone	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
Naphthalene	mg/kg	0.05 U	0.05 U	NA	NA	0.09 U	0.09 U	NA	NA	NA
Nitrobenzene	mg/kg	NA	NA	NA	NA	0.24 U	0.24 U	NA	NA	NA
N-Nitroso-di-n-propylamine	mg/kg	NA	NA	NA	NA	0.02 U	0.02 U	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	NA	NA	NA	NA	0.67 U	0.67 U	NA	NA	NA
Pentachlorophenol	mg/kg	NA	NA	NA	NA	0.03 U	0.03 U	NA	NA	NA
Phenanthrene	mg/kg	0.45	0.03 U	NA	NA	0.12 U	0.12 U	NA	NA	NA
Phenol	mg/kg	NA	NA	NA	NA	0.66 U	0.66 U	NA	NA	NA
Pyrene	mg/kg	1.94	0.05 U	NA	NA	0.23	0.07 U	NA	NA	NA
Petroleum Hydrocarbons										
TPH (C06-C10)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH-DRO (C10-C28)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-2/KP-SB01	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-4	B-4	B-4	B-4
	Field Sample ID:	KP-SB01(6-9)	B-3 (3-6)	B-3 (6-9)	KP-SB09(0-3)	KP-SB09(3-6)	B-4 (0-3)	B-4 (3-6)	B-4 (6-9)	B-4 (9-12)
	Sample Date	5/29/2012	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	6-9	3-6	6-9	0-3	3-6	0-3	3-6	6-9	9-12
pH	SU	NA	8.6	8.2	NA	NA	10.8	7.5	NA	NA
Fractional Organic Carbon	%	NA	NA	NA	3	1.3	NA	NA	NA	NA
Organic Carbon Content	%	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Inorganics										
Aluminum	mg/kg	NA	NA	NA	NA	NA	NA	5,400	NA	NA
Antimony	mg/kg	NA	NA	NA	NA	NA	NA	59	2.3 U	NA
Arsenic	mg/kg	NA	4.8	9.5	NA	NA	15	18	2.9	NA
Barium	mg/kg	NA	84	82	NA	NA	62	220	NA	NA
Beryllium	mg/kg	NA	NA	NA	NA	NA	NA	0.91	NA	NA
Cadmium	mg/kg	NA	0.59 U	0.57 U	NA	NA	0.55 U	1.1	NA	NA
Calcium	mg/kg	NA	NA	NA	NA	NA	NA	16,000	NA	NA
Chromium	mg/kg	NA	23	25	NA	NA	24	20	NA	NA
Cobalt	mg/kg	NA	NA	NA	NA	NA	NA	6.4	NA	NA
Copper	mg/kg	NA	NA	NA	NA	NA	NA	2,200	NA	NA
Cyanide	mg/kg	NA	NA	NA	NA	NA	NA	0.28 U	NA	NA
Iron	mg/kg	NA	NA	NA	NA	NA	NA	86,000	19,000	NA
Lead	mg/kg	NA	14	18	NA	NA	200	1,100	14	NA
Magnesium	mg/kg	NA	NA	NA	NA	NA	NA	4,600	NA	NA
Manganese	mg/kg	NA	NA	NA	NA	NA	NA	630	NA	NA
Mercury	mg/kg	NA	0.028 U	0.03 U	NA	NA	0.17	0.38	0.03	NA
Nickel	mg/kg	NA	NA	NA	NA	NA	NA	16	NA	NA
Potassium	mg/kg	NA	NA	NA	NA	NA	NA	690	NA	NA
Selenium	mg/kg	NA	1.2 U	1.1 U	NA	NA	1.1 U	2.2	NA	NA
Silver	mg/kg	NA	1.2 U	1.1 U	NA	NA	1.1 U	1.2	NA	NA
Sodium	mg/kg	NA	NA	NA	NA	NA	NA	460	NA	NA
Thallium	mg/kg	NA	NA	NA	NA	NA	NA	1.1 U	NA	NA
Vanadium	mg/kg	NA	NA	NA	NA	NA	NA	26	NA	NA
Zinc	mg/kg	NA	NA	NA	NA	NA	NA	450	NA	NA
TCLP Metals										
Arsenic, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-2/KP-SB01	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-4	B-4	B-4	B-4
	Field Sample ID:	KP-SB01(6-9)	B-3 (3-6)	B-3 (6-9)	KP-SB09(0-3)	KP-SB09(3-6)	B-4 (0-3)	B-4 (3-6)	B-4 (6-9)	B-4 (9-12)
	Sample Date	5/29/2012	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	6- 9	3- 6	6- 9	0- 3	3- 6	0- 3	3- 6	6- 9	9- 12
Pesticides										
4,4'-DDD	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
4,4'-DDE	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
4,4'-DDT	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
Aldrin	mg/kg	NA	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA
alpha-BHC	mg/kg	NA	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA
beta-BHC	mg/kg	NA	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA
Chlordane (Technical)	mg/kg	NA	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA
delta-BHC	mg/kg	NA	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA
Dieldrin	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
Endosulfan I	mg/kg	NA	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA
Endosulfan II	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
Endosulfan sulfate	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
Endrin	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
Endrin aldehyde	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
Endrin ketone	mg/kg	NA	0.02 U	NA	NA	NA	0.02 U	NA	NA	NA
gamma-BHC (Lindane)	mg/kg	NA	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA
Heptachlor	mg/kg	NA	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA
Heptachlor epoxide	mg/kg	NA	0.008 U	NA	NA	NA	0.008 U	NA	NA	NA
Methoxychlor	mg/kg	NA	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA
Toxaphene	mg/kg	NA	0.16 U	NA	NA	NA	0.16 U	NA	NA	NA
PCBS										
PCB-1016 (Aroclor 1016)	mg/kg	NA	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA
PCB-1221 (Aroclor 1221)	mg/kg	NA	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA
PCB-1232 (Aroclor 1232)	mg/kg	NA	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA
PCB-1242 (Aroclor 1242)	mg/kg	NA	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA
PCB-1248 (Aroclor 1248)	mg/kg	NA	0.08 U	NA	NA	NA	0.08 U	NA	NA	NA
PCB-1254 (Aroclor 1254)	mg/kg	NA	0.16 U	NA	NA	NA	0.16 U	NA	NA	NA
PCB-1260 (Aroclor 1260)	mg/kg	NA	0.16 U	NA	NA	NA	0.16 U	NA	NA	NA
Herbicides										
2,4,5-T	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dalapon	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dinoseb	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Picloram	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-2/KP-SB01	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-4	B-4	B-4	B-4
	Field Sample ID:	KP-SB01(6-9)	B-3 (3-6)	B-3 (6-9)	KP-SB09(0-3)	KP-SB09(3-6)	B-4 (0-3)	B-4 (3-6)	B-4 (6-9)	B-4 (9-12)
	Sample Date	5/29/2012	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	6- 9	3- 6	6- 9	0- 3	3- 6	0- 3	3- 6	6- 9	9- 12
VOCs										
1,1,1,2-Tetrachloroethane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
1,1,2-Trichloroethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
1,1-Dichloroethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
1,1-Dichloroethene	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	2	0.005 U
1,1-Dichloropropene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	NA	NA	NA	0.019	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
1,2-Dichloropropane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
1,3,5-Trimethylbenzene	mg/kg	NA	NA	NA	0.0053	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,3-Dichloropropane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
1,4-Difluorobenzene	mg/kg	NA	0.05	0.07	NA	NA	NA	NA	0.05	0.05
2,2-Dichloropropane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
2-Butanone (MEK)	mg/kg	NA	0.005 U	0.005 U	0.022 U	NA	NA	NA	0.005 U	0.005 U
2-Chlorotoluene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
2-Hexanone	mg/kg	NA	0.005 U	0.005 U	0.088 U	NA	NA	NA	0.005 U	0.005 U
4-Chlorotoluene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	mg/kg	NA	0.005 U	0.005 U	0.022 U	NA	NA	NA	0.005 U	0.005 U
Acetone	mg/kg	NA	0.05 U	0.05 U	0.088 U	NA	NA	NA	0.05 U	0.05 U
Acrolein	mg/kg	NA	NA	NA	0.088 U	NA	NA	NA	NA	NA
Acrylonitrile	mg/kg	NA	NA	NA	0.088 U	NA	NA	NA	NA	NA
Benzene	mg/kg	NA	0.005 U	0.005 U	0.0018 J	NA	NA	NA	0.005 U	0.005 U
Bromobenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
Bromochloromethane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	NA	0.002 U	0.002 U	0.0044 U	NA	NA	NA	0.002 U	0.002 U
Bromoform	mg/kg	NA	0.002 U	0.002 U	0.0044 U	NA	NA	NA	0.002 U	0.002 U
Bromomethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
Carbon disulfide	mg/kg	NA	0.005 U	0.005 U	0.0088 U	NA	NA	NA	0.005 U	0.005 U
Carbon tetrachloride	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-2/KP-SB01	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-4	B-4	B-4	B-4
	Field Sample ID:	KP-SB01(6-9)	B-3 (3-6)	B-3 (6-9)	KP-SB09(0-3)	KP-SB09(3-6)	B-4 (0-3)	B-4 (3-6)	B-4 (6-9)	B-4 (9-12)
	Sample Date	5/29/2012	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	6-9	3-6	6-9	0-3	3-6	0-3	3-6	6-9	9-12
Chlorobenzene	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
Chloroethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.3
Chloroform	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
Chloromethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
cis-1,2-Dichloroethene	mg/kg	NA	0.005 U	1	0.0044 U	NA	NA	NA	872	20
cis-1,3-Dichloropropene	mg/kg	NA	0.002 U	0.002 U	0.0044 U	NA	NA	NA	0.002 U	0.002 U
Dibromochloromethane	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
Dibromomethane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
Dichlorodifluoromethane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
Ethyl methacrylate	mg/kg	NA	NA	NA	0.088 U	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
Iodomethane	mg/kg	NA	NA	NA	0.088 U	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	mg/kg	NA	NA	NA	0.005	NA	NA	NA	NA	NA
Methylene Chloride	mg/kg	NA	0.005 U	0.005 U	0.018 U	NA	NA	NA	0.005 U	0.005 U
Methyl-tert-butyl ether	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
Naphthalene, VOC	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
n-Butylbenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
n-Hexane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NA	NA	NA	0.0045	NA	NA	NA	NA	NA
Pentafluorobenzene	mg/kg	NA	0.05	0.07	NA	NA	NA	NA	0.05	0.05
p-Isopropyltoluene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
Styrene	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
tert-Butylbenzene	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	5	0.005 U
Toluene	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	0.005 U	0.005 U
trans-1,2-Dichloroethene	mg/kg	NA	0.005 U	0.005 U	0.0044 U	NA	NA	NA	15	0.005 U
trans-1,3-Dichloropropene	mg/kg	NA	0.002 U	0.002 U	0.0044 U	NA	NA	NA	0.002 U	0.002 U
trans-1,4-Dichloro-2-butene	mg/kg	NA	NA	NA	0.088 U	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	NA	0.01	2	0.0044 U	NA	NA	NA	0.005 U	0.005 U
Trichlorofluoromethane	mg/kg	NA	NA	NA	0.0044 U	NA	NA	NA	NA	NA
Vinyl acetate	mg/kg	NA	NA	NA	0.088 U	NA	NA	NA	NA	NA
Vinyl chloride	mg/kg	NA	0.002 U	0.002 U	0.0044 U	NA	NA	NA	10	0.2
Xylene (Total)	mg/kg	NA	0.005 U	0.005 U	0.049	NA	NA	NA	0.005 U	0.005 U

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-2/KP-SB01	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-4	B-4	B-4	B-4
	Field Sample ID:	KP-SB01(6-9)	B-3 (3-6)	B-3 (6-9)	KP-SB09(0-3)	KP-SB09(3-6)	B-4 (0-3)	B-4 (3-6)	B-4 (6-9)	B-4 (9-12)
	Sample Date	5/29/2012	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	6- 9	3- 6	6- 9	0- 3	3- 6	0- 3	3- 6	6- 9	9- 12
SVOCs										
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	NA	0.66 U	NA	NA	0.66 U
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	0.66 U	NA	NA	0.66 U
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	0.66 U	NA	NA	0.66 U
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	0.66 U	NA	NA	0.66 U
2,4,5-Trichlorophenol	mg/kg	NA	NA	NA	0.41 U	NA	0.22 U	NA	NA	0.22 U
2,4,6-Trichlorophenol	mg/kg	NA	NA	NA	0.41 U	NA	0.06 U	NA	NA	0.06 U
2,4-Dichlorophenol	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
2,4-Dimethylphenol	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
2,4-Dinitrophenol	mg/kg	NA	NA	NA	2 U	NA	0.66 U	NA	NA	0.66 U
2,4-Dinitrotoluene	mg/kg	NA	NA	NA	0.41 U	NA	0.21 U	NA	NA	0.21 U
2,6-Dinitrotoluene	mg/kg	NA	NA	NA	0.41 U	NA	0.1 U	NA	NA	0.1 U
2-Chloronaphthalene	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
2-Chlorophenol	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
2-Methylnaphthalene	mg/kg	NA	NA	NA	0.41 U	NA	0.12 U	NA	NA	0.12 U
2-Methylphenol(o-Cresol)	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
2-Nitroaniline	mg/kg	NA	NA	NA	2 U	NA	3.3 U	NA	NA	3.3 U
2-Nitrophenol	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
3&4-Methylphenol(m&p Cresol)	mg/kg	NA	NA	NA	0.82 U	NA	0.83 U	NA	NA	0.83 U
3,3'-Dichlorobenzidine	mg/kg	NA	NA	NA	0.82 U	NA	0.11 U	NA	NA	0.11 U
3-Nitroaniline	mg/kg	NA	NA	NA	2 U	NA	3.3 U	NA	NA	3.3 U
4,6-Dinitro-2-methylphenol	mg/kg	NA	NA	NA	2 U	NA	2 U	NA	NA	2 U
4-Bromophenylphenyl ether	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
4-Chloro-3-methylphenol	mg/kg	NA	NA	NA	0.82 U	NA	1.3 U	NA	NA	1.3 U
4-Chloroaniline	mg/kg	NA	NA	NA	0.82 U	NA	0.33 U	NA	NA	0.33 U
4-Chlorophenylphenyl ether	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
4-Nitroaniline	mg/kg	NA	NA	NA	2 U	NA	3.3 U	NA	NA	3.3 U
4-Nitrophenol	mg/kg	NA	NA	NA	2 U	NA	3.3 U	NA	NA	3.3 U
Acenaphthene	mg/kg	NA	0.05 U	0.05 U	0.41 UJ	NA	0.15 U	0.13	NA	0.15 U
Acenaphthylene	mg/kg	NA	0.05 U	0.05 U	0.41 UJ	NA	0.07 U	0.1	NA	0.07 U
Anthracene	mg/kg	NA	0.08 U	0.08 U	0.41 U	NA	0.36	0.87	NA	0.3 U
Benzo(a)anthracene	mg/kg	NA	0.008 U	0.008 U	0.41 UJ	NA	1.28	2.83	NA	0.07 U
Benzo(a)pyrene	mg/kg	NA	0.02 U	0.02 U	0.41 U	NA	1.15	2.77	NA	0.07 U
Benzo(b)fluoranthene	mg/kg	NA	0.01 U	0.01 U	0.41 U	NA	1.57	3.48	NA	0.06 U
Benzo(g,h,i)perylene	mg/kg	NA	0.02 U	0.02 U	0.41 U	NA	0.6	1.7	NA	0.12 U
Benzo(k)fluoranthene	mg/kg	NA	0.01 U	0.01 U	0.41 U	NA	0.68	0.97	NA	0.12 U
Benzyl alcohol	mg/kg	NA	NA	NA	0.82 U	NA	1.3 U	NA	NA	1.3 U
bis(2chloro 1methyl ethyl) ether	mg/kg	NA	NA	NA	0.41 U	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-2/KP-SB01	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-3/KP-SB09	B-4	B-4	B-4	B-4
	Field Sample ID:	KP-SB01(6-9)	B-3 (3-6)	B-3 (6-9)	KP-SB09(0-3)	KP-SB09(3-6)	B-4 (0-3)	B-4 (3-6)	B-4 (6-9)	B-4 (9-12)
	Sample Date	5/29/2012	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	6-9	3-6	6-9	0-3	3-6	0-3	3-6	6-9	9-12
bis(2-Chloroethoxy)methane	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
bis(2-Chloroethyl) ether	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
Bis(2-chloroisopropyl)ether	mg/kg	NA	NA	NA	NA	NA	0.66 U	NA	NA	0.66 U
bis(2-Ethylhexyl)phthalate	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
Butylbenzylphthalate	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
Carbazole	mg/kg	NA	NA	NA	NA	NA	0.13 U	NA	NA	0.13 U
Chrysene	mg/kg	NA	0.05 U	0.05 U	0.41 UJ	NA	1.67	2.58	NA	0.09 U
Dibenz(a,h)anthracene	mg/kg	NA	0.02 U	0.02 U	0.41 U	NA	0.11 U	0.1	NA	0.11 U
Dibenzofuran	mg/kg	NA	NA	NA	0.41 U	NA	0.22 U	NA	NA	0.22 U
Diethylphthalate	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
Dimethylphthalate	mg/kg	NA	NA	NA	0.41 U	NA	3.3 U	NA	NA	3.3 U
Di-n-butylphthalate	mg/kg	NA	NA	NA	0.41 U	NA	0.5 U	NA	NA	0.5 U
Di-n-octylphthalate	mg/kg	NA	NA	NA	0.41 U	NA	0.86 U	NA	NA	0.86 U
Fluoranthene	mg/kg	NA	0.05 U	0.05 U	0.41 U	NA	2.33	4.95	NA	0.09 U
Fluorene	mg/kg	NA	0.03 U	0.03 U	0.41 UJ	NA	0.14 U	0.18	NA	0.14 U
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
Hexachlorobenzene	mg/kg	NA	NA	NA	0.41 U	NA	0.07 U	NA	NA	0.07 U
Hexachlorocyclopentadiene	mg/kg	NA	NA	NA	0.41 U	NA	0.17 U	NA	NA	0.17 U
Hexachloroethane	mg/kg	NA	NA	NA	0.41 U	NA	0.13 U	NA	NA	0.13 U
Indeno(1,2,3-cd)pyrene	mg/kg	NA	0.02 U	0.02 U	0.41 U	NA	0.48	1.43	NA	0.13 U
Isophorone	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
Naphthalene	mg/kg	NA	0.05 U	0.05 U	0.41 U	NA	0.09 U	0.25	NA	0.09 U
Nitrobenzene	mg/kg	NA	NA	NA	0.41 U	NA	0.24 U	NA	NA	0.24 U
N-Nitroso-di-n-propylamine	mg/kg	NA	NA	NA	0.41 U	NA	0.02 U	NA	NA	0.02 U
N-Nitrosodiphenylamine	mg/kg	NA	NA	NA	0.41 U	NA	0.67 U	NA	NA	0.67 U
Pentachlorophenol	mg/kg	NA	NA	NA	2 U	NA	0.03 U	NA	NA	0.03 U
Phenanthrene	mg/kg	NA	0.03 U	0.03 U	0.41 U	NA	1.66	3.04	NA	0.12 U
Phenol	mg/kg	NA	NA	NA	0.41 U	NA	0.66 U	NA	NA	0.66 U
Pyrene	mg/kg	NA	0.05 U	0.05 U	0.22 J	NA	2.45	4.7	NA	0.07 U
Petroleum Hydrocarbons										
TPH (C06-C10)	mg/kg	20.3	NA	NA	NA	NA	NA	NA	NA	NA
TPH-DRO (C10-C28)	mg/kg	29	NA	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-6	B-6	B-6
	Field Sample ID:	B-5 (0-3)	B-5 (3-6)	B-5 (6-9)	B-5 (9-12)	KP-SB02(18-20)	KP-SB02(9-12)	B-6 (0-3)	B-6 (3-6)	B-6 (6-9)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	18- 20	9- 12	0- 3	3- 6	6- 9
pH	SU	11.8	7.8	NA	NA	NA	NA	8.3	8	8.4
Fractional Organic Carbon	%	NA	NA	NA	NA	NA	NA	NA	NA	NA
Organic Carbon Content	%	2.8	NA	NA	NA	NA	NA	NA	NA	NA
Total Inorganics										
Aluminum	mg/kg	2,800	4,500	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	17	26	2.3 U	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	5.4	17	4.6	NA	NA	NA	14	29	5
Barium	mg/kg	51	180	NA	NA	NA	NA	130	230	NA
Beryllium	mg/kg	0.5 U	1.1	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	0.5 U	1.8	NA	NA	NA	NA	1.6	3.6	NA
Calcium	mg/kg	69,000	27,000	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	9.4	18	NA	NA	NA	NA	22	46	24
Cobalt	mg/kg	3	5.8	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	490	580	NA	NA	NA	NA	NA	NA	NA
Cyanide	mg/kg	0.26 U	0.3 U	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	27,000	25,000	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	160	840	15	NA	NA	NA	910	2,800	18
Magnesium	mg/kg	24,000	5,900	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	410	260	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	0.068	0.42	0.031	NA	NA	NA	0.82	3	0.03
Nickel	mg/kg	11	17	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	390	1,200	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	1 U	7.2	1.2 U	NA	NA	NA	1.1 U	1.3	NA
Silver	mg/kg	1 U	1 U	NA	NA	NA	NA	1.1 U	2.5	NA
Sodium	mg/kg	120	430	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	1 U	1 U	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	12	23	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	99	320	NA	NA	NA	NA	NA	NA	NA
TCLP Metals										
Arsenic, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Barium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	0.88	NA
Cadmium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	0.008	NA
Chromium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Lead, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	0.43	NA
Mercury, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA
Selenium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA
Silver, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-6	B-6	B-6
	Field Sample ID:	B-5 (0-3)	B-5 (3-6)	B-5 (6-9)	B-5 (9-12)	KP-SB02(18-20)	KP-SB02(9-12)	B-6 (0-3)	B-6 (3-6)	B-6 (6-9)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	18- 20	9- 12	0- 3	3- 6	6- 9
Pesticides										
4,4'-DDD	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
4,4'-DDE	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
4,4'-DDT	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
Aldrin	mg/kg	NA	0.008 U	0.008 U	NA	NA	NA	0.008 U	0.008 U	NA
alpha-BHC	mg/kg	NA	0.008 U	0.008 U	NA	NA	NA	0.008 U	0.008 U	NA
beta-BHC	mg/kg	NA	0.008 U	0.008 U	NA	NA	NA	0.008 U	0.008 U	NA
Chlordane (Technical)	mg/kg	NA	0.08 U	0.08 U	NA	NA	NA	0.08 U	0.08 U	NA
delta-BHC	mg/kg	NA	0.008 U	0.008 U	NA	NA	NA	0.008 U	0.008 U	NA
Dieldrin	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
Endosulfan I	mg/kg	NA	0.008 U	0.008 U	NA	NA	NA	0.008 U	0.008 U	NA
Endosulfan II	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
Endosulfan sulfate	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
Endrin	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
Endrin aldehyde	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
Endrin ketone	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
gamma-BHC (Lindane)	mg/kg	NA	0.008 U	0.008 U	NA	NA	NA	0.04	0.008 U	NA
Heptachlor	mg/kg	NA	0.008 U	0.008 U	NA	NA	NA	0.008 U	0.008 U	NA
Heptachlor epoxide	mg/kg	NA	0.008 U	0.008 U	NA	NA	NA	0.008 U	0.008 U	NA
Methoxychlor	mg/kg	NA	0.08 U	0.08 U	NA	NA	NA	0.08 U	0.08 U	NA
Toxaphene	mg/kg	NA	0.16 U	0.16 U	NA	NA	NA	0.16 U	0.16 U	NA
PCBS										
PCB-1016 (Aroclor 1016)	mg/kg	NA	0.08 U	0.08 U	NA	NA	NA	0.08 U	0.08 U	NA
PCB-1221 (Aroclor 1221)	mg/kg	NA	0.08 U	0.08 U	NA	NA	NA	0.08 U	0.08 U	NA
PCB-1232 (Aroclor 1232)	mg/kg	NA	0.08 U	0.08 U	NA	NA	NA	0.08 U	0.08 U	NA
PCB-1242 (Aroclor 1242)	mg/kg	NA	0.08 U	0.08 U	NA	NA	NA	0.08 U	0.08 U	NA
PCB-1248 (Aroclor 1248)	mg/kg	NA	0.08 U	0.08 U	NA	NA	NA	0.08 U	0.08 U	NA
PCB-1254 (Aroclor 1254)	mg/kg	NA	0.16 U	0.16 U	NA	NA	NA	0.16 U	0.16 U	NA
PCB-1260 (Aroclor 1260)	mg/kg	NA	0.16 U	0.16 U	NA	NA	NA	0.16 U	0.16 U	NA
Herbicides										
2,4,5-T	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-D	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dalapon	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dinoseb	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Picloram	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-6	B-6	B-6
	Field Sample ID:	B-5 (0-3)	B-5 (3-6)	B-5 (6-9)	B-5 (9-12)	KP-SB02(18-20)	KP-SB02(9-12)	B-6 (0-3)	B-6 (3-6)	B-6 (6-9)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	18- 20	9- 12	0- 3	3- 6	6- 9
VOCs										
1,1,1,2-Tetrachloroethane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
1,1,2,2-Tetrachloroethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
1,1,2-Trichloroethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
1,1-Dichloroethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
1,1-Dichloroethene	mg/kg	NA	0.005 U	0.005 U	4	0.019 J	NA	0.005 U	0.005 U	0.005 U
1,1-Dichloropropene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
1,2-Dichloropropane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
1,3,5-Trimethylbenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,3-Dichloropropane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
1,4-Difluorobenzene	mg/kg	NA	0.07	NA	0.06	NA	NA	0.05	0.05	NA
2,2-Dichloropropane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
2-Butanone (MEK)	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.024 U	NA	0.005 U	0.005 U	0.005 U
2-Chlorotoluene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
2-Hexanone	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.095 U	NA	0.005 U	0.005 U	0.005 U
4-Chlorotoluene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.024 U	NA	0.005 U	0.005 U	0.005 U
Acetone	mg/kg	NA	0.05 U	0.05 U	0.05 U	0.095 U	NA	0.05 U	0.05 U	0.05 U
Acrolein	mg/kg	NA	NA	NA	NA	0.095 U	NA	NA	NA	NA
Acrylonitrile	mg/kg	NA	NA	NA	NA	0.095 U	NA	NA	NA	NA
Benzene	mg/kg	NA	0.4	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
Bromobenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Bromochloromethane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Bromodichloromethane	mg/kg	NA	0.002 U	0.002 U	0.002 U	0.0047 U	NA	0.002 U	0.002 U	0.002 U
Bromoform	mg/kg	NA	0.002 U	0.002 U	0.002 U	0.0047 U	NA	0.002 U	0.002 U	0.002 U
Bromomethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
Carbon disulfide	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0095 U	NA	0.005 U	0.005 U	0.005 U
Carbon tetrachloride	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-6	B-6	B-6
	Field Sample ID:	B-5 (0-3)	B-5 (3-6)	B-5 (6-9)	B-5 (9-12)	KP-SB02(18-20)	KP-SB02(9-12)	B-6 (0-3)	B-6 (3-6)	B-6 (6-9)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	18- 20	9- 12	0- 3	3- 6	6- 9
Chlorobenzene	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
Chloroethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
Chloroform	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
Chloromethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
cis-1,2-Dichloroethene	mg/kg	NA	8	942	990	56.6 J	NA	0.02	0.1	0.005 U
cis-1,3-Dichloropropene	mg/kg	NA	0.002 U	0.002 U	0.002 U	0.0047 U	NA	0.002 U	0.002 U	0.002 U
Dibromochloromethane	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
Dibromomethane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Dichlorodifluoromethane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Ethyl methacrylate	mg/kg	NA	NA	NA	NA	0.095 U	NA	NA	NA	NA
Ethylbenzene	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Iodomethane	mg/kg	NA	NA	NA	NA	0.095 U	NA	NA	NA	NA
Isopropylbenzene (Cumene)	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Methylene Chloride	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.019 U	NA	0.005 U	0.005 U	0.005 U
Methyl-tert-butyl ether	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
Naphthalene, VOC	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
n-Butylbenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
n-Hexane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Pentafluorobenzene	mg/kg	NA	0.07	NA	0.06	NA	NA	0.05	0.05	NA
p-Isopropyltoluene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Styrene	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0047 U	NA	0.005 U	0.005 U	0.005 U
tert-Butylbenzene	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Tetrachloroethene	mg/kg	NA	0.5	0.005 U	14	0.017 J	NA	0.005 U	0.005 U	0.005 U
Toluene	mg/kg	NA	0.3	0.005 U	0.005 U	0.0027 J	NA	0.005 U	0.005 U	0.005 U
trans-1,2-Dichloroethene	mg/kg	NA	0.005 U	7.34	14	0.054 J	NA	0.005 U	0.005 U	0.005 U
trans-1,3-Dichloropropene	mg/kg	NA	0.002 U	0.002 U	0.002 U	0.0047 U	NA	0.002 U	0.002 U	0.002 U
trans-1,4-Dichloro-2-butene	mg/kg	NA	NA	NA	NA	0.095 U	NA	NA	NA	NA
Trichloroethene	mg/kg	NA	73	0.005 U	0.005 U	803 J	NA	0.08	1	0.02
Trichlorofluoromethane	mg/kg	NA	NA	NA	NA	0.0047 U	NA	NA	NA	NA
Vinyl acetate	mg/kg	NA	NA	NA	NA	0.095 U	NA	NA	NA	NA
Vinyl chloride	mg/kg	NA	26	44.2	0.002 U	3 J	NA	0.002 U	0.002 U	0.02
Xylene (Total)	mg/kg	NA	0.005 U	0.005 U	0.005 U	0.0095 U	NA	0.005 U	0.01	0.005 U

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-6	B-6	B-6
	Field Sample ID:	B-5 (0-3)	B-5 (3-6)	B-5 (6-9)	B-5 (9-12)	KP-SB02(18-20)	KP-SB02(9-12)	B-6 (0-3)	B-6 (3-6)	B-6 (6-9)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	18- 20	9- 12	0- 3	3- 6	6- 9
SVOCs										
1,2,4-Trichlorobenzene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
1,2-Dichlorobenzene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
1,3-Dichlorobenzene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
1,4-Dichlorobenzene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
2,4,5-Trichlorophenol	mg/kg	NA	0.22 U	0.22 U	NA	NA	NA	0.22 U	0.22 U	NA
2,4,6-Trichlorophenol	mg/kg	NA	0.06 U	0.06 U	NA	NA	NA	0.06 U	0.06 U	NA
2,4-Dichlorophenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
2,4-Dimethylphenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
2,4-Dinitrophenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
2,4-Dinitrotoluene	mg/kg	NA	0.21 U	0.21 U	NA	NA	NA	0.21 U	0.21 U	NA
2,6-Dinitrotoluene	mg/kg	NA	0.1 U	0.1 U	NA	NA	NA	0.1 U	0.1 U	NA
2-Chloronaphthalene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
2-Chlorophenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
2-Methylnaphthalene	mg/kg	NA	0.64	0.12 U	NA	NA	NA	0.19	0.12 U	NA
2-Methylphenol(o-Cresol)	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
2-Nitroaniline	mg/kg	NA	3.3 U	3.3 U	NA	NA	NA	3.3 U	3.3 U	NA
2-Nitrophenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
3&4-Methylphenol(m&p Cresol)	mg/kg	NA	0.83 U	0.83 U	NA	NA	NA	0.83 U	0.83 U	NA
3,3'-Dichlorobenzidine	mg/kg	NA	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA
3-Nitroaniline	mg/kg	NA	3.3 U	3.3 U	NA	NA	NA	3.3 U	3.3 U	NA
4,6-Dinitro-2-methylphenol	mg/kg	NA	2 U	2 U	NA	NA	NA	2 U	2 U	NA
4-Bromophenylphenyl ether	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
4-Chloro-3-methylphenol	mg/kg	NA	1.3 U	1.3 U	NA	NA	NA	1.3 U	1.3 U	NA
4-Chloroaniline	mg/kg	NA	0.33 U	0.33 U	NA	NA	NA	0.33 U	0.33 U	NA
4-Chlorophenylphenyl ether	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
4-Nitroaniline	mg/kg	NA	3.3 U	3.3 U	NA	NA	NA	3.3 U	3.3 U	NA
4-Nitrophenol	mg/kg	NA	3.3 U	3.3 U	NA	NA	NA	3.3 U	3.3 U	NA
Acenaphthene	mg/kg	0.05 U	0.15 U	0.15 U	NA	NA	NA	0.15 U	0.15 U	NA
Acenaphthylene	mg/kg	0.05 U	0.07 U	0.07 U	NA	NA	NA	0.07 U	0.07 U	NA
Anthracene	mg/kg	0.08 U	0.39	0.3 U	NA	NA	NA	0.73	0.3 U	NA
Benzo(a)anthracene	mg/kg	0.12	1.07	0.07 U	NA	NA	NA	2.42	0.21	NA
Benzo(a)pyrene	mg/kg	0.11	1.1	0.07 U	NA	NA	NA	2.21	0.29	NA
Benzo(b)fluoranthene	mg/kg	0.15	1.2	0.06 U	NA	NA	NA	2.67	0.36	NA
Benzo(g,h,i)perylene	mg/kg	0.17	0.69	0.12 U	NA	NA	NA	0.99	0.25	NA
Benzo(k)fluoranthene	mg/kg	0.07	0.4	0.12 U	NA	NA	NA	0.81	0.16	NA
Benzyl alcohol	mg/kg	NA	1.3 U	1.3 U	NA	NA	NA	1.3 U	1.3 U	NA
bis(2chloro1methylethyl) ether	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-5/KP-SB02	B-6	B-6	B-6
	Field Sample ID:	B-5 (0-3)	B-5 (3-6)	B-5 (6-9)	B-5 (9-12)	KP-SB02(18-20)	KP-SB02(9-12)	B-6 (0-3)	B-6 (3-6)	B-6 (6-9)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	5/29/2012	8/4/2010	8/4/2010	8/4/2010
	Depth Interval (ft bgs)	0- 3	3- 6	6- 9	9- 12	18- 20	9- 12	0- 3	3- 6	6- 9
bis(2-Chloroethoxy)methane	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
bis(2-Chloroethyl) ether	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
Bis(2-chloroisopropyl)ether	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
bis(2-Ethylhexyl)phthalate	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
Butylbenzylphthalate	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
Carbazole	mg/kg	NA	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA
Chrysene	mg/kg	0.11	0.97	0.09 U	NA	NA	NA	2.2	0.25	NA
Dibenz(a,h)anthracene	mg/kg	0.02 U	0.11 U	0.11 U	NA	NA	NA	0.11 U	0.11 U	NA
Dibenzofuran	mg/kg	NA	0.22 U	0.22 U	NA	NA	NA	0.22 U	0.22 U	NA
Diethylphthalate	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
Dimethylphthalate	mg/kg	NA	3.3 U	3.3 U	NA	NA	NA	3.3 U	3.3 U	NA
Di-n-butylphthalate	mg/kg	NA	0.5 U	0.5 U	NA	NA	NA	0.5 U	0.5 U	NA
Di-n-octylphthalate	mg/kg	NA	0.86 U	0.86 U	NA	NA	NA	0.86 U	0.86 U	NA
Fluoranthene	mg/kg	0.21	1.9	0.09 U	NA	NA	NA	4.26	0.3	NA
Fluorene	mg/kg	0.03 U	0.14 U	0.14 U	NA	NA	NA	0.14 U	0.14 U	NA
Hexachloro-1,3-butadiene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
Hexachlorobenzene	mg/kg	NA	0.07 U	0.07 U	NA	NA	NA	0.07 U	0.07 U	NA
Hexachlorocyclopentadiene	mg/kg	NA	0.17 U	0.17 U	NA	NA	NA	0.17 U	0.17 U	NA
Hexachloroethane	mg/kg	NA	0.13 U	0.13 U	NA	NA	NA	0.13 U	0.13 U	NA
Indeno(1,2,3-cd)pyrene	mg/kg	0.12	0.46	0.13 U	NA	NA	NA	0.88	0.19	NA
Isophorone	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
Naphthalene	mg/kg	0.05 U	0.49	0.09 U	NA	NA	NA	0.25	0.09 U	NA
Nitrobenzene	mg/kg	NA	0.24 U	0.24 U	NA	NA	NA	0.24 U	0.24 U	NA
N-Nitroso-di-n-propylamine	mg/kg	NA	0.02 U	0.02 U	NA	NA	NA	0.02 U	0.02 U	NA
N-Nitrosodiphenylamine	mg/kg	NA	0.67 U	0.67 U	NA	NA	NA	0.67 U	0.67 U	NA
Pentachlorophenol	mg/kg	NA	0.03 U	0.03 U	NA	NA	NA	0.03 U	0.03 U	NA
Phenanthrene	mg/kg	0.08	1.86	0.12 U	NA	NA	NA	3.95	0.12 U	NA
Phenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	0.66 U	0.66 U	NA
Pyrene	mg/kg	0.19	2.57	0.07 U	NA	NA	NA	5.47	0.44	NA
Petroleum Hydrocarbons										
TPH (C06-C10)	mg/kg	NA	NA	NA	NA	NA	1,720	NA	NA	NA
TPH-DRO (C10-C28)	mg/kg	NA	NA	NA	NA	NA	43.6 J	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-6	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-8/KP-SB10
	Field Sample ID:	B-6 (9-12)	B-7 (0-3)	B-7 (3-6)	B-7 (6-9)	B-7 (9-12)	KP-SB03(9-12)	B-8 (0-3)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	8/4/2010
	Depth Interval (ft bgs)	9- 12	0- 3	3- 6	6- 9	9- 12	9- 12	0- 3
pH	SU	NA	8.5	7.7	NA	NA	NA	8.8
Fractional Organic Carbon	%	NA	NA	NA	NA	NA	1.4	NA
Organic Carbon Content	%	NA	NA	NA	4.1	NA	NA	NA
Total Inorganics								
Aluminum	mg/kg	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	NA	12	5.3	NA	NA	NA	5.8
Barium	mg/kg	NA	220	76	NA	NA	NA	200
Beryllium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	NA	0.78	1.8	NA	NA	NA	0.8
Calcium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	NA	33	8.7	NA	NA	NA	19
Cobalt	mg/kg	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	NA	NA	NA	NA	NA	NA	NA
Cyanide	mg/kg	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	NA	180	36	NA	NA	NA	140
Magnesium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	NA	0.15	0.034 U	NA	NA	NA	0.063
Nickel	mg/kg	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	NA	1.1 U	1.7	NA	NA	NA	1.1 U
Silver	mg/kg	NA	1.1 U	1.3 U	NA	NA	NA	1.1 U
Sodium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	NA	NA	NA	NA	NA	NA	NA
TCLP Metals								
Arsenic, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-6	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-8/KP-SB10
	Field Sample ID:	B-6 (9-12)	B-7 (0-3)	B-7 (3-6)	B-7 (6-9)	B-7 (9-12)	KP-SB03(9-12)	B-8 (0-3)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	8/4/2010
	Depth Interval (ft bgs)	9- 12	0- 3	3- 6	6- 9	9- 12	9- 12	0- 3
Pesticides								
4,4'-DDD	mg/kg	NA	0.02 U	NA	NA	NA	NA	NA
4,4'-DDE	mg/kg	NA	0.02 U	NA	NA	NA	NA	NA
4,4'-DDT	mg/kg	NA	0.11	NA	NA	NA	NA	NA
Aldrin	mg/kg	NA	0.008 U	NA	NA	NA	NA	NA
alpha-BHC	mg/kg	NA	0.008 U	NA	NA	NA	NA	NA
beta-BHC	mg/kg	NA	0.008 U	NA	NA	NA	NA	NA
Chlordane (Technical)	mg/kg	NA	0.08 U	NA	NA	NA	NA	NA
delta-BHC	mg/kg	NA	0.008 U	NA	NA	NA	NA	NA
Dieldrin	mg/kg	NA	0.02 U	NA	NA	NA	NA	NA
Endosulfan I	mg/kg	NA	0.008 U	NA	NA	NA	NA	NA
Endosulfan II	mg/kg	NA	0.02 U	NA	NA	NA	NA	NA
Endosulfan sulfate	mg/kg	NA	0.02 U	NA	NA	NA	NA	NA
Endrin	mg/kg	NA	0.07	NA	NA	NA	NA	NA
Endrin aldehyde	mg/kg	NA	0.02 U	NA	NA	NA	NA	NA
Endrin ketone	mg/kg	NA	0.05	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	mg/kg	NA	0.008 U	NA	NA	NA	NA	NA
Heptachlor	mg/kg	NA	0.008 U	NA	NA	NA	NA	NA
Heptachlor epoxide	mg/kg	NA	0.008 U	NA	NA	NA	NA	NA
Methoxychlor	mg/kg	NA	0.08 U	NA	NA	NA	NA	NA
Toxaphene	mg/kg	NA	0.16 U	NA	NA	NA	NA	NA
PCBS								
PCB-1016 (Aroclor 1016)	mg/kg	NA	0.08 U	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	mg/kg	NA	0.08 U	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	mg/kg	NA	0.08 U	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	mg/kg	NA	0.08 U	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	mg/kg	NA	0.08 U	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	mg/kg	NA	0.16 U	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	mg/kg	NA	0.16 U	NA	NA	NA	NA	NA
Herbicides								
2,4,5-T	mg/kg	NA	0.01 U	NA	NA	NA	NA	0.01 U
2,4,5-TP (Silvex)	mg/kg	NA	0.01 U	NA	NA	NA	NA	0.01 U
2,4-D	mg/kg	NA	0.01 U	NA	NA	NA	NA	0.01 U
Dalapon	mg/kg	NA	0.05 U	NA	NA	NA	NA	0.05 U
Dinoseb	mg/kg	NA	0.02 U	NA	NA	NA	NA	0.02 U
Picloram	mg/kg	NA	0.01 U	NA	NA	NA	NA	0.01 U

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-6	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-8/KP-SB10
	Field Sample ID:	B-6 (9-12)	B-7 (0-3)	B-7 (3-6)	B-7 (6-9)	B-7 (9-12)	KP-SB03(9-12)	B-8 (0-3)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	8/4/2010
	Depth Interval (ft bgs)	9- 12	0- 3	3- 6	6- 9	9- 12	9- 12	0- 3
VOCs								
1,1,1,2-Tetrachloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
1,1,2,2-Tetrachloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
1,1,2-Trichloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
1,1-Dichloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
1,1-Dichloroethene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
1,1-Dichloropropene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,2,3-Trichloropropane	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,2,4-Trimethylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,2-Dibromoethane (EDB)	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
1,2-Dichloropropane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
1,3,5-Trimethylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,3-Dichloropropane	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,4-Difluorobenzene	mg/kg	NA	0.06	0.08	NA	NA	NA	0.06
2,2-Dichloropropane	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
2-Chlorotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Hexanone	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
4-Chlorotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA
4-Methyl-2-pentanone (MIBK)	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Acetone	mg/kg	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	NA	NA
Acrolein	mg/kg	NA	NA	NA	NA	NA	NA	NA
Acrylonitrile	mg/kg	NA	NA	NA	NA	NA	NA	NA
Benzene	mg/kg	0.005 U	0.005 U	0.007	0.008	0.005 U	NA	0.005 U
Bromobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Bromochloromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA
Bromoform	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA
Bromomethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Carbon disulfide	mg/kg	0.005 U	0.01	0.02	0.005 U	0.005 U	NA	NA
Carbon tetrachloride	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-6	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-8/KP-SB10
	Field Sample ID:	B-6 (9-12)	B-7 (0-3)	B-7 (3-6)	B-7 (6-9)	B-7 (9-12)	KP-SB03(9-12)	B-8 (0-3)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	8/4/2010
	Depth Interval (ft bgs)	9- 12	0- 3	3- 6	6- 9	9- 12	9- 12	0- 3
Chlorobenzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Chloroethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Chloroform	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Chloromethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
cis-1,2-Dichloroethene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
cis-1,3-Dichloropropene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA
Dibromochloromethane	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Dibromomethane	mg/kg	NA	NA	NA	NA	NA	NA	NA
Dichlorodifluoromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA
Ethyl methacrylate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Iodomethane	mg/kg	NA	NA	NA	NA	NA	NA	NA
Isopropylbenzene (Cumene)	mg/kg	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Methyl-tert-butyl ether	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Naphthalene, VOC	mg/kg	NA	NA	NA	NA	NA	NA	NA
n-Butylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
n-Hexane	mg/kg	NA	NA	NA	NA	NA	NA	NA
n-Propylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Pentafluorobenzene	mg/kg	NA	0.06	0.08	NA	NA	NA	0.06
p-Isopropyltoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA
sec-Butylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Styrene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
tert-Butylbenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	mg/kg	0.08	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
Toluene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	0.005 U
trans-1,2-Dichloroethene	mg/kg	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	NA	NA
trans-1,3-Dichloropropene	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA
trans-1,4-Dichloro-2-butene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	mg/kg	0.005 U	0.03	0.04	0.009	0.005 U	NA	NA
Trichlorofluoromethane	mg/kg	NA	NA	NA	NA	NA	NA	NA
Vinyl acetate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	mg/kg	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	NA	NA
Xylene (Total)	mg/kg	0.005 U	0.005 U	0.008	0.005 U	0.005 U	NA	0.005 U

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-6	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-8/KP-SB10
	Field Sample ID:	B-6 (9-12)	B-7 (0-3)	B-7 (3-6)	B-7 (6-9)	B-7 (9-12)	KP-SB03(9-12)	B-8 (0-3)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	8/4/2010
	Depth Interval (ft bgs)	9- 12	0- 3	3- 6	6- 9	9- 12	9- 12	0- 3
SVOCs								
1,2,4-Trichlorobenzene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	NA	0.22 U	0.22 U	NA	NA	0.4 U	NA
2,4,6-Trichlorophenol	mg/kg	NA	0.06 U	0.06 U	NA	NA	0.4 U	NA
2,4-Dichlorophenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
2,4-Dimethylphenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
2,4-Dinitrophenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	1.9 U	NA
2,4-Dinitrotoluene	mg/kg	NA	0.21 U	0.21 U	NA	NA	0.4 U	NA
2,6-Dinitrotoluene	mg/kg	NA	0.1 U	0.1 U	NA	NA	0.4 U	NA
2-Chloronaphthalene	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
2-Chlorophenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
2-Methylnaphthalene	mg/kg	NA	0.12 U	0.4	NA	NA	0.4 U	NA
2-Methylphenol(o-Cresol)	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
2-Nitroaniline	mg/kg	NA	3.3 U	3.3 U	NA	NA	1.9 U	NA
2-Nitrophenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
3&4-Methylphenol(m&p Cresol)	mg/kg	NA	0.83 U	0.83 U	NA	NA	0.79 U	NA
3,3'-Dichlorobenzidine	mg/kg	NA	0.11 U	0.11 U	NA	NA	0.79 U	NA
3-Nitroaniline	mg/kg	NA	3.3 U	3.3 U	NA	NA	1.9 U	NA
4,6-Dinitro-2-methylphenol	mg/kg	NA	2 U	2 U	NA	NA	1.9 U	NA
4-Bromophenylphenyl ether	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
4-Chloro-3-methylphenol	mg/kg	NA	1.3 U	1.3 U	NA	NA	0.79 U	NA
4-Chloroaniline	mg/kg	NA	0.33 U	0.33 U	NA	NA	0.79 U	NA
4-Chlorophenylphenyl ether	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
4-Nitroaniline	mg/kg	NA	3.3 U	3.3 U	NA	NA	1.9 U	NA
4-Nitrophenol	mg/kg	NA	3.3 U	3.3 U	NA	NA	1.9 U	NA
Acenaphthene	mg/kg	NA	0.15 U	0.15 U	0.05 U	NA	0.4 UJ	0.67
Acenaphthylene	mg/kg	NA	0.07 U	0.07 U	0.05 U	NA	0.4 UJ	0.35
Anthracene	mg/kg	NA	0.41	0.43	0.08 U	NA	0.4 U	2.47
Benzo(a)anthracene	mg/kg	NA	1.76	1.65	0.008 U	NA	0.4 UJ	9.27
Benzo(a)pyrene	mg/kg	NA	1.91	1.88	0.02 U	NA	0.4 U	9.36
Benzo(b)fluoranthene	mg/kg	NA	2.24	2.03	0.01 U	NA	0.4 U	11.5
Benzo(g,h,i)perylene	mg/kg	NA	1.21	1.21	0.02 U	NA	0.4 U	4.63
Benzo(k)fluoranthene	mg/kg	NA	0.66	0.75	0.01 U	NA	0.4 U	3.95
Benzyl alcohol	mg/kg	NA	1.3 U	1.3 U	NA	NA	0.79 U	NA
bis(2chloro 1methylethyl) ether	mg/kg	NA	NA	NA	NA	NA	0.4 U	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-6	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-7/KP-SB03	B-8/KP-SB10
	Field Sample ID:	B-6 (9-12)	B-7 (0-3)	B-7 (3-6)	B-7 (6-9)	B-7 (9-12)	KP-SB03(9-12)	B-8 (0-3)
	Sample Date	8/4/2010	8/4/2010	8/4/2010	8/4/2010	8/4/2010	5/29/2012	8/4/2010
	Depth Interval (ft bgs)	9- 12	0- 3	3- 6	6- 9	9- 12	9- 12	0- 3
bis(2-Chloroethoxy)methane	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
bis(2-Chloroethyl) ether	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
Bis(2-chloroisopropyl)ether	mg/kg	NA	0.66 U	0.66 U	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
Butylbenzylphthalate	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
Carbazole	mg/kg	NA	0.13 U	0.13 U	NA	NA	NA	NA
Chrysene	mg/kg	NA	1.95	1.53	0.05 U	NA	0.4 UJ	8.17
Dibenz(a,h)anthracene	mg/kg	NA	0.11 U	0.11 U	0.02 U	NA	0.4 U	0.35
Dibenzofuran	mg/kg	NA	0.22 U	0.22 U	NA	NA	0.4 U	NA
Diethylphthalate	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
Dimethylphthalate	mg/kg	NA	3.3 U	3.3 U	NA	NA	0.4 U	NA
Di-n-butylphthalate	mg/kg	NA	0.5 U	0.5 U	NA	NA	0.4 U	NA
Di-n-octylphthalate	mg/kg	NA	0.86 U	0.86 U	NA	NA	0.4 U	NA
Fluoranthene	mg/kg	NA	3.38	3.25	0.05 U	NA	0.4 U	17.6
Fluorene	mg/kg	NA	0.14 U	0.14 U	0.03 U	NA	0.4 UJ	0.78
Hexachloro-1,3-butadiene	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
Hexachlorobenzene	mg/kg	NA	0.07 U	0.07 U	NA	NA	0.4 U	NA
Hexachlorocyclopentadiene	mg/kg	NA	0.17 U	0.17 U	NA	NA	0.4 U	NA
Hexachloroethane	mg/kg	NA	0.13 U	0.13 U	NA	NA	0.4 U	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NA	0.82	0.87	0.02 U	NA	0.4 U	4.29
Isophorone	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
Naphthalene	mg/kg	NA	0.09 U	0.37	0.05 U	NA	0.4 U	0.41
Nitrobenzene	mg/kg	NA	0.24 U	0.24 U	NA	NA	0.4 U	NA
N-Nitroso-di-n-propylamine	mg/kg	NA	0.02 U	0.02 U	NA	NA	0.4 U	NA
N-Nitrosodiphenylamine	mg/kg	NA	0.67 U	0.67 U	NA	NA	0.4 U	NA
Pentachlorophenol	mg/kg	NA	0.03 U	0.03 U	NA	NA	1.9 U	NA
Phenanthrene	mg/kg	NA	2.25	2.51	0.03 U	NA	0.4 U	7.63
Phenol	mg/kg	NA	0.66 U	0.66 U	NA	NA	0.4 U	NA
Pyrene	mg/kg	NA	4.56	4.77	0.05 U	NA	0.4 U	15.2
Petroleum Hydrocarbons								
TPH (C06-C10)	mg/kg	NA	NA	NA	NA	NA	NA	NA
TPH-DRO (C10-C28)	mg/kg	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-8/KP-SB10	B-8/KP-SB10	B-8/KP-SB10	KP-SB04	KP-SB04	KP-SB05	KP-SB05
	Field Sample ID:	KP-SB10(12-14)	KP-SB10(12-14)D	KP-SB10(3-5)	KP-SB04(10-12)	KP-SB04(14-16)	KP-SB05(11-13)	KP-SB05(14-16)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	12- 14	12- 14	3- 5	10- 12	14- 16	11- 13	14- 16
pH	SU	NA	NA	NA	NA	NA	NA	NA
Fractional Organic Carbon	%	NA	NA	NA	NA	NA	NA	NA
Organic Carbon Content	%	NA	NA	NA	NA	NA	NA	NA
Total Inorganics								
Aluminum	mg/kg	NA	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	NA	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	NA	NA	NA	NA	NA	NA	NA
Barium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Beryllium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Calcium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Cobalt	mg/kg	NA	NA	NA	NA	NA	NA	NA
Copper	mg/kg	NA	NA	NA	NA	NA	NA	NA
Cyanide	mg/kg	NA	NA	NA	NA	NA	NA	NA
Iron	mg/kg	NA	NA	NA	NA	NA	NA	NA
Lead	mg/kg	NA	NA	NA	NA	NA	NA	NA
Magnesium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	NA	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	NA	NA	NA	NA	NA	NA	NA
Nickel	mg/kg	NA	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Silver	mg/kg	NA	NA	NA	NA	NA	NA	NA
Sodium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	NA	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	NA	NA	NA	NA	NA	NA	NA
TCLP Metals								
Arsenic, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Barium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Chromium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Lead, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Mercury, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Selenium, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA
Silver, TCLP	mg/L	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-8/KP-SB10	B-8/KP-SB10	B-8/KP-SB10	KP-SB04	KP-SB04	KP-SB05	KP-SB05
	Field Sample ID:	KP-SB10(12-14)	KP-SB10(12-14)D	KP-SB10(3-5)	KP-SB04(10-12)	KP-SB04(14-16)	KP-SB05(11-13)	KP-SB05(14-16)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	12- 14	12- 14	3- 5	10- 12	14- 16	11- 13	14- 16
Pesticides								
4,4'-DDD	mg/kg	NA	NA	NA	NA	NA	NA	NA
4,4'-DDE	mg/kg	NA	NA	NA	NA	NA	NA	NA
4,4'-DDT	mg/kg	NA	NA	NA	NA	NA	NA	NA
Aldrin	mg/kg	NA	NA	NA	NA	NA	NA	NA
alpha-BHC	mg/kg	NA	NA	NA	NA	NA	NA	NA
beta-BHC	mg/kg	NA	NA	NA	NA	NA	NA	NA
Chlordane (Technical)	mg/kg	NA	NA	NA	NA	NA	NA	NA
delta-BHC	mg/kg	NA	NA	NA	NA	NA	NA	NA
Dieldrin	mg/kg	NA	NA	NA	NA	NA	NA	NA
Endosulfan I	mg/kg	NA	NA	NA	NA	NA	NA	NA
Endosulfan II	mg/kg	NA	NA	NA	NA	NA	NA	NA
Endosulfan sulfate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Endrin	mg/kg	NA	NA	NA	NA	NA	NA	NA
Endrin aldehyde	mg/kg	NA	NA	NA	NA	NA	NA	NA
Endrin ketone	mg/kg	NA	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	mg/kg	NA	NA	NA	NA	NA	NA	NA
Heptachlor	mg/kg	NA	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	mg/kg	NA	NA	NA	NA	NA	NA	NA
Methoxychlor	mg/kg	NA	NA	NA	NA	NA	NA	NA
Toxaphene	mg/kg	NA	NA	NA	NA	NA	NA	NA
PCBS								
PCB-1016 (Aroclor 1016)	mg/kg	NA	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	mg/kg	NA	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	mg/kg	NA	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	mg/kg	NA	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	mg/kg	NA	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	mg/kg	NA	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	mg/kg	NA	NA	NA	NA	NA	NA	NA
Herbicides								
2,4,5-T	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,4-D	mg/kg	NA	NA	NA	NA	NA	NA	NA
Dalapon	mg/kg	NA	NA	NA	NA	NA	NA	NA
Dinoseb	mg/kg	NA	NA	NA	NA	NA	NA	NA
Picloram	mg/kg	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-8/KP-SB10	B-8/KP-SB10	B-8/KP-SB10	KP-SB04	KP-SB04	KP-SB05	KP-SB05
	Field Sample ID:	KP-SB10(12-14)	KP-SB10(12-14)D	KP-SB10(3-5)	KP-SB04(10-12)	KP-SB04(14-16)	KP-SB05(11-13)	KP-SB05(14-16)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	12- 14	12- 14	3- 5	10- 12	14- 16	11- 13	14- 16
VOCs								
1,1,1,2-Tetrachloroethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,1,1-Trichloroethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,1,2,2-Tetrachloroethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,1,2-Trichloroethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,1-Dichloroethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,1-Dichloroethene	mg/kg	NA	NA	NA	0.35 J	0.18 J	0.32 J	0.081
1,1-Dichloropropene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,2,3-Trichlorobenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,2,3-Trichloropropane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,2,4-Trimethylbenzene	mg/kg	NA	NA	NA	0.018 J	0.012 J	0.012 J	0.0062 U
1,2-Dibromoethane (EDB)	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,2-Dichloroethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,2-Dichloropropane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,3,5-Trimethylbenzene	mg/kg	NA	NA	NA	0.0061 J	0.004 J	0.0036 J	0.0062 U
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,3-Dichloropropane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
1,4-Difluorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
2-Butanone (MEK)	mg/kg	NA	NA	NA	0.022 U	0.024 U	0.022 U	0.031 U
2-Chlorotoluene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
2-Hexanone	mg/kg	NA	NA	NA	0.09 U	0.095 U	0.089 U	0.12 U
4-Chlorotoluene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
4-Methyl-2-pentanone (MIBK)	mg/kg	NA	NA	NA	0.022 U	0.024 U	0.022 U	0.031 U
Acetone	mg/kg	NA	NA	NA	0.09 U	0.095 U	0.089 U	0.12 U
Acrolein	mg/kg	NA	NA	NA	0.09 U	0.095 U	0.089 U	0.12 U
Acrylonitrile	mg/kg	NA	NA	NA	0.09 U	0.095 U	0.089 U	0.12 U
Benzene	mg/kg	NA	NA	NA	0.0045 U	0.0015 J	0.0044 U	0.0062 U
Bromobenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Bromochloromethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Bromodichloromethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Bromoform	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Bromomethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Carbon disulfide	mg/kg	NA	NA	NA	0.009 U	0.0095 U	0.0089 U	0.012 U
Carbon tetrachloride	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-8/KP-SB10	B-8/KP-SB10	B-8/KP-SB10	KP-SB04	KP-SB04	KP-SB05	KP-SB05
	Field Sample ID:	KP-SB10(12-14)	KP-SB10(12-14)D	KP-SB10(3-5)	KP-SB04(10-12)	KP-SB04(14-16)	KP-SB05(11-13)	KP-SB05(14-16)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	12- 14	12- 14	3- 5	10- 12	14- 16	11- 13	14- 16
Chlorobenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Chloroethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Chloroform	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Chloromethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
cis-1,2-Dichloroethene	mg/kg	NA	NA	NA	2.6 J	0.28 J	6.3 J	0.19
cis-1,3-Dichloropropene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Dibromochloromethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Dibromomethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Dichlorodifluoromethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Ethyl methacrylate	mg/kg	NA	NA	NA	0.09 U	0.095 U	0.089 U	0.12 U
Ethylbenzene	mg/kg	NA	NA	NA	0.008 J	0.0038 J	0.0056 J	0.0062 U
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Iodomethane	mg/kg	NA	NA	NA	0.09 U	0.095 U	0.089 U	0.12 U
Isopropylbenzene (Cumene)	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Methylene Chloride	mg/kg	NA	NA	NA	0.018 U	0.019 U	0.018 U	0.025 U
Methyl-tert-butyl ether	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Naphthalene, VOC	mg/kg	NA	NA	NA	0.0032 J	0.0039 J	0.0046 J	0.0062 U
n-Butylbenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
n-Hexane	mg/kg	NA	NA	NA	0.013 J	0.0079 J	0.0098 J	0.0062 U
n-Propylbenzene	mg/kg	NA	NA	NA	0.0059 J	0.0029 J	0.0037 J	0.0062 U
Pentafluorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
sec-Butylbenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Styrene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
tert-Butylbenzene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Tetrachloroethene	mg/kg	NA	NA	NA	4.1 J	0.28 J	2.7 J	0.0061 J
Toluene	mg/kg	NA	NA	NA	0.036 J	0.016 J	0.033 J	0.0031 J
trans-1,2-Dichloroethene	mg/kg	NA	NA	NA	0.028 J	0.011 J	0.036 J	0.0058 J
trans-1,3-Dichloropropene	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
trans-1,4-Dichloro-2-butene	mg/kg	NA	NA	NA	0.09 U	0.095 U	0.089 U	0.12 U
Trichloroethene	mg/kg	NA	NA	NA	3,510 J	894 J	3,590 J	338
Trichlorofluoromethane	mg/kg	NA	NA	NA	0.0045 U	0.0047 U	0.0044 U	0.0062 U
Vinyl acetate	mg/kg	NA	NA	NA	0.09 U	0.095 U	0.089 U	0.12 U
Vinyl chloride	mg/kg	NA	NA	NA	0.088 J	0.41 J	0.38 J	0.23
Xylene (Total)	mg/kg	NA	NA	NA	0.033 J	0.011 J	0.022 J	0.012 U

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	B-8/KP-SB10	B-8/KP-SB10	B-8/KP-SB10	KP-SB04	KP-SB04	KP-SB05	KP-SB05
	Field Sample ID:	KP-SB10(12-14)	KP-SB10(12-14)D	KP-SB10(3-5)	KP-SB04(10-12)	KP-SB04(14-16)	KP-SB05(11-13)	KP-SB05(14-16)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	12- 14	12- 14	3- 5	10- 12	14- 16	11- 13	14- 16
SVOCs								
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	0.21	0.11	0.14	NA	NA	NA	NA
2-Methylphenol(o-Cresol)	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
3&4-Methylphenol(m&p Cresol)	mg/kg	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/kg	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
4-Bromophenylphenyl ether	mg/kg	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenylphenyl ether	mg/kg	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	0.52	0.36	0.36	NA	NA	NA	NA
Acenaphthylene	mg/kg	0.096	0.095	0.12	NA	NA	NA	NA
Anthracene	mg/kg	1.2	0.89	0.94	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	2.2	2.1	2.4	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	2	1.9	2.2	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	1.9	2.1	2.4	NA	NA	NA	NA
Benzo(g,h,i)perylene	mg/kg	1.2	1.3	1.5	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	1.8	1.7	2	NA	NA	NA	NA
Benzyl alcohol	mg/kg	NA	NA	NA	NA	NA	NA	NA
bis(2chloro1methylethyl) ether	mg/kg	NA	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	B-8/KP-SB10	B-8/KP-SB10	B-8/KP-SB10	KP-SB04	KP-SB04	KP-SB05	KP-SB05
	Field Sample ID:	KP-SB10(12-14)	KP-SB10(12-14)D	KP-SB10(3-5)	KP-SB04(10-12)	KP-SB04(14-16)	KP-SB05(11-13)	KP-SB05(14-16)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	12- 14	12- 14	3- 5	10- 12	14- 16	11- 13	14- 16
bis(2-Chloroethoxy)methane	mg/kg	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl) ether	mg/kg	NA	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	NA	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	2.5	2.4	2.8	NA	NA	NA	NA
Dibenz(a,h)anthracene	mg/kg	0.66	0.66	0.77	NA	NA	NA	NA
Dibenzofuran	mg/kg	NA	NA	NA	NA	NA	NA	NA
Diethylphthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	mg/kg	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	5.1	4.7	5.2	NA	NA	NA	NA
Fluorene	mg/kg	0.67	0.43	0.44	NA	NA	NA	NA
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	1.1	1.2	1.4	NA	NA	NA	NA
Isophorone	mg/kg	NA	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	0.35	0.2	0.26	NA	NA	NA	NA
Nitrobenzene	mg/kg	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	mg/kg	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	4.6	3.5	3.9	NA	NA	NA	NA
Phenol	mg/kg	NA	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	4.1	3.8	4.3	NA	NA	NA	NA
Petroleum Hydrocarbons								
TPH (C06-C10)	mg/kg	NA	NA	NA	NA	NA	NA	NA
TPH-DRO (C10-C28)	mg/kg	NA	NA	NA	NA	NA	NA	NA

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	KP-SB06	KP-SB06	KP-SB07	KP-SB07	KP-SB08	KP-SB08
	Field Sample ID:	KP-SB06(10-12)	KP-SB06(14-16)	KP-SB07(8-10)	KP-SB07(14-16)	KP-SB08(4-6)	KP-SB08(15-17)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	10- 12	14- 16	8- 10	14- 16	4- 6	15- 17
pH	SU	NA	NA	NA	NA	NA	NA
Fractional Organic Carbon	%	NA	NA	NA	NA	NA	NA
Organic Carbon Content	%	NA	NA	NA	NA	NA	NA
Total Inorganics							
Aluminum	mg/kg	NA	NA	NA	NA	NA	NA
Antimony	mg/kg	NA	NA	NA	NA	NA	NA
Arsenic	mg/kg	NA	NA	NA	NA	NA	NA
Barium	mg/kg	NA	NA	NA	NA	NA	NA
Beryllium	mg/kg	NA	NA	NA	NA	NA	NA
Cadmium	mg/kg	NA	NA	NA	NA	NA	NA
Calcium	mg/kg	NA	NA	NA	NA	NA	NA
Chromium	mg/kg	NA	NA	NA	NA	NA	NA
Cobalt	mg/kg	NA	NA	NA	NA	NA	NA
Copper	mg/kg	NA	NA	NA	NA	NA	NA
Cyanide	mg/kg	NA	NA	NA	NA	NA	NA
Iron	mg/kg	NA	NA	NA	NA	NA	NA
Lead	mg/kg	NA	NA	NA	NA	NA	NA
Magnesium	mg/kg	NA	NA	NA	NA	NA	NA
Manganese	mg/kg	NA	NA	NA	NA	NA	NA
Mercury	mg/kg	NA	NA	NA	NA	NA	NA
Nickel	mg/kg	NA	NA	NA	NA	NA	NA
Potassium	mg/kg	NA	NA	NA	NA	NA	NA
Selenium	mg/kg	NA	NA	NA	NA	NA	NA
Silver	mg/kg	NA	NA	NA	NA	NA	NA
Sodium	mg/kg	NA	NA	NA	NA	NA	NA
Thallium	mg/kg	NA	NA	NA	NA	NA	NA
Vanadium	mg/kg	NA	NA	NA	NA	NA	NA
Zinc	mg/kg	NA	NA	NA	NA	NA	NA
TCLP Metals							
Arsenic, TCLP	mg/L	NA	NA	NA	NA	NA	NA
Barium, TCLP	mg/L	NA	NA	NA	NA	NA	NA
Cadmium, TCLP	mg/L	NA	NA	NA	NA	NA	NA
Chromium, TCLP	mg/L	NA	NA	NA	NA	NA	NA
Lead, TCLP	mg/L	NA	NA	NA	NA	NA	NA
Mercury, TCLP	mg/L	NA	NA	NA	NA	NA	NA
Selenium, TCLP	mg/L	NA	NA	NA	NA	NA	NA
Silver, TCLP	mg/L	NA	NA	NA	NA	NA	NA

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	KP-SB06	KP-SB06	KP-SB07	KP-SB07	KP-SB08	KP-SB08
	Field Sample ID:	KP-SB06(10-12)	KP-SB06(14-16)	KP-SB07(8-10)	KP-SB07(14-16)	KP-SB08(4-6)	KP-SB08(15-17)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	10- 12	14- 16	8- 10	14- 16	4- 6	15- 17
Pesticides							
4,4'-DDD	mg/kg	NA	NA	NA	NA	NA	NA
4,4'-DDE	mg/kg	NA	NA	NA	NA	NA	NA
4,4'-DDT	mg/kg	NA	NA	NA	NA	NA	NA
Aldrin	mg/kg	NA	NA	NA	NA	NA	NA
alpha-BHC	mg/kg	NA	NA	NA	NA	NA	NA
beta-BHC	mg/kg	NA	NA	NA	NA	NA	NA
Chlordane (Technical)	mg/kg	NA	NA	NA	NA	NA	NA
delta-BHC	mg/kg	NA	NA	NA	NA	NA	NA
Dieldrin	mg/kg	NA	NA	NA	NA	NA	NA
Endosulfan I	mg/kg	NA	NA	NA	NA	NA	NA
Endosulfan II	mg/kg	NA	NA	NA	NA	NA	NA
Endosulfan sulfate	mg/kg	NA	NA	NA	NA	NA	NA
Endrin	mg/kg	NA	NA	NA	NA	NA	NA
Endrin aldehyde	mg/kg	NA	NA	NA	NA	NA	NA
Endrin ketone	mg/kg	NA	NA	NA	NA	NA	NA
gamma-BHC (Lindane)	mg/kg	NA	NA	NA	NA	NA	NA
Heptachlor	mg/kg	NA	NA	NA	NA	NA	NA
Heptachlor epoxide	mg/kg	NA	NA	NA	NA	NA	NA
Methoxychlor	mg/kg	NA	NA	NA	NA	NA	NA
Toxaphene	mg/kg	NA	NA	NA	NA	NA	NA
PCBS							
PCB-1016 (Aroclor 1016)	mg/kg	NA	NA	NA	NA	NA	NA
PCB-1221 (Aroclor 1221)	mg/kg	NA	NA	NA	NA	NA	NA
PCB-1232 (Aroclor 1232)	mg/kg	NA	NA	NA	NA	NA	NA
PCB-1242 (Aroclor 1242)	mg/kg	NA	NA	NA	NA	NA	NA
PCB-1248 (Aroclor 1248)	mg/kg	NA	NA	NA	NA	NA	NA
PCB-1254 (Aroclor 1254)	mg/kg	NA	NA	NA	NA	NA	NA
PCB-1260 (Aroclor 1260)	mg/kg	NA	NA	NA	NA	NA	NA
Herbicides							
2,4,5-T	mg/kg	NA	NA	NA	NA	NA	NA
2,4,5-TP (Silvex)	mg/kg	NA	NA	NA	NA	NA	NA
2,4-D	mg/kg	NA	NA	NA	NA	NA	NA
Dalapon	mg/kg	NA	NA	NA	NA	NA	NA
Dinoseb	mg/kg	NA	NA	NA	NA	NA	NA
Picloram	mg/kg	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	KP-SB06	KP-SB06	KP-SB07	KP-SB07	KP-SB08	KP-SB08
	Field Sample ID:	KP-SB06(10-12)	KP-SB06(14-16)	KP-SB07(8-10)	KP-SB07(14-16)	KP-SB08(4-6)	KP-SB08(15-17)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	10- 12	14- 16	8- 10	14- 16	4- 6	15- 17
VOCs							
1,1,1,2-Tetrachloroethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,1,1-Trichloroethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,1,2,2-Tetrachloroethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,1,2-Trichloroethane	mg/kg	0.0048 U	0.005 U	0.0041 J	0.0046 U	0.0045 U	0.0055 U
1,1-Dichloroethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,1-Dichloroethene	mg/kg	1.2 J	0.26	0.013	0.0046 U	0.0045 U	0.0055 U
1,1-Dichloropropene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,2,3-Trichlorobenzene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,2,3-Trichloropropane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,2,4-Trichlorobenzene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,2,4-Trimethylbenzene	mg/kg	0.05	0.028	0.0043 U	0.0046 U	4.1	0.06
1,2-Dibromoethane (EDB)	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,2-Dichlorobenzene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.042	0.0028 J
1,2-Dichloroethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,2-Dichloropropane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,3,5-Trimethylbenzene	mg/kg	0.018	0.011	0.0043 U	0.0046 U	0.035	0.012
1,3-Dichlorobenzene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,3-Dichloropropane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
1,4-Dichlorobenzene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0084	0.0055 U
1,4-Difluorobenzene	mg/kg	NA	NA	NA	NA	NA	NA
2,2-Dichloropropane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
2-Butanone (MEK)	mg/kg	0.024 U	0.025 U	0.021 U	0.023 U	0.022 U	0.046
2-Chlorotoluene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
2-Hexanone	mg/kg	0.27	0.099 U	0.085 U	0.093 U	0.31	0.11 U
4-Chlorotoluene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
4-Methyl-2-pentanone (MIBK)	mg/kg	0.024 U	0.025 U	0.021 U	0.023 U	0.022 U	0.027 U
Acetone	mg/kg	0.096 U	0.099 U	0.085 U	0.093 U	0.16	0.093 J
Acrolein	mg/kg	0.096 U	0.099 U	0.085 U	0.093 U	0.089 U	0.11 U
Acrylonitrile	mg/kg	0.096 U	0.099 U	0.085 U	0.093 U	0.089 U	0.11 U
Benzene	mg/kg	0.0048 U	0.0039 J	0.0043 U	0.0046 U	0.0036 J	0.0055 U
Bromobenzene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Bromochloromethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Bromodichloromethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Bromoform	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Bromomethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Carbon disulfide	mg/kg	0.0096 U	0.0027 J	0.0085 U	0.0093 U	0.0089 U	0.011 U
Carbon tetrachloride	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	KP-SB06	KP-SB06	KP-SB07	KP-SB07	KP-SB08	KP-SB08
	Field Sample ID:	KP-SB06(10-12)	KP-SB06(14-16)	KP-SB07(8-10)	KP-SB07(14-16)	KP-SB08(4-6)	KP-SB08(15-17)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	10- 12	14- 16	8- 10	14- 16	4- 6	15- 17
Chlorobenzene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.092	0.0062
Chloroethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Chloroform	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Chloromethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
cis-1,2-Dichloroethene	mg/kg	22.2	22.4	31.2	0.0046 U	0.0045 U	28.1
cis-1,3-Dichloropropene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Dibromochloromethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Dibromomethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Dichlorodifluoromethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Ethyl methacrylate	mg/kg	0.096 U	0.099 U	0.085 U	0.093 U	0.089 U	0.11 U
Ethylbenzene	mg/kg	0.018	0.0073	0.0043 U	0.0046 U	0.0034 J	0.0028 J
Hexachloro-1,3-butadiene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Iodomethane	mg/kg	0.096 U	0.099 U	0.085 U	0.093 U	0.089 U	0.11 U
Isopropylbenzene (Cumene)	mg/kg	0.01	0.0036 J	0.0043 U	0.0046 U	0.041	0.0065
Methylene Chloride	mg/kg	0.019 U	0.02 U	0.017 U	0.019 U	0.018 U	0.022 U
Methyl-tert-butyl ether	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Naphthalene, VOC	mg/kg	0.0042 J	0.0027 J	0.0043 U	0.0046 U	0.039	0.004 J
n-Butylbenzene	mg/kg	0.0087	0.0032 J	0.0043 U	0.0046 U	0.048	0.0057
n-Hexane	mg/kg	0.047	0.043	0.0043 U	0.0046 U	0.5	0.05
n-Propylbenzene	mg/kg	0.012	0.0068	0.0043 U	0.0046 U	0.13	0.014
Pentafluorobenzene	mg/kg	NA	NA	NA	NA	NA	NA
p-Isopropyltoluene	mg/kg	0.015	0.0043 J	0.0043 U	0.0046 U	0.034	0.0069
sec-Butylbenzene	mg/kg	0.0048	0.0027 J	0.0043 U	0.0046 U	0.03	0.0034 J
Styrene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
tert-Butylbenzene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Tetrachloroethene	mg/kg	3.8	0.82 J	0.0043 U	0.0046 U	0.0045 U	0.0027 J
Toluene	mg/kg	0.075	0.029	0.0043 U	0.0046 U	0.0027 J	0.0041 J
trans-1,2-Dichloroethene	mg/kg	0.18	0.12	0.12	0.0046 U	0.0045 U	0.0086
trans-1,3-Dichloropropene	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
trans-1,4-Dichloro-2-butene	mg/kg	0.096 U	0.099 U	0.085 U	0.093 U	0.089 U	0.11 U
Trichloroethene	mg/kg	4,230	1,220	68.3	0.0046 U	0.0015 J	0.11
Trichlorofluoromethane	mg/kg	0.0048 U	0.005 U	0.0043 U	0.0046 U	0.0045 U	0.0055 U
Vinyl acetate	mg/kg	0.096 U	0.099 U	0.085 U	0.093 U	0.089 U	0.11 U
Vinyl chloride	mg/kg	0.58	0.49	2	0.0046 U	0.0045 U	0.14
Xylene (Total)	mg/kg	0.072	0.026	0.0085 U	0.0093 U	0.022	0.019

**Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois**

Chemical Name	Location ID	KP-SB06	KP-SB06	KP-SB07	KP-SB07	KP-SB08	KP-SB08
	Field Sample ID:	KP-SB06(10-12)	KP-SB06(14-16)	KP-SB07(8-10)	KP-SB07(14-16)	KP-SB08(4-6)	KP-SB08(15-17)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	10- 12	14- 16	8- 10	14- 16	4- 6	15- 17
SVOCs							
1,2,4-Trichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	mg/kg	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	mg/kg	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	mg/kg	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	mg/kg	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	mg/kg	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	mg/kg	NA	NA	NA	NA	NA	NA
2-Chlorophenol	mg/kg	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	mg/kg	NA	NA	NA	NA	NA	NA
2-Methylphenol(o-Cresol)	mg/kg	NA	NA	NA	NA	NA	NA
2-Nitroaniline	mg/kg	NA	NA	NA	NA	NA	NA
2-Nitrophenol	mg/kg	NA	NA	NA	NA	NA	NA
3&4-Methylphenol(m&p Cresol)	mg/kg	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	mg/kg	NA	NA	NA	NA	NA	NA
3-Nitroaniline	mg/kg	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	mg/kg	NA	NA	NA	NA	NA	NA
4-Bromophenylphenyl ether	mg/kg	NA	NA	NA	NA	NA	NA
4-Chloro-3-methylphenol	mg/kg	NA	NA	NA	NA	NA	NA
4-Chloroaniline	mg/kg	NA	NA	NA	NA	NA	NA
4-Chlorophenylphenyl ether	mg/kg	NA	NA	NA	NA	NA	NA
4-Nitroaniline	mg/kg	NA	NA	NA	NA	NA	NA
4-Nitrophenol	mg/kg	NA	NA	NA	NA	NA	NA
Acenaphthene	mg/kg	NA	NA	NA	NA	NA	NA
Acenaphthylene	mg/kg	NA	NA	NA	NA	NA	NA
Anthracene	mg/kg	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	mg/kg	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	mg/kg	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	mg/kg	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	mg/kg	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	mg/kg	NA	NA	NA	NA	NA	NA
Benzyl alcohol	mg/kg	NA	NA	NA	NA	NA	NA
bis(2chloro1methylethyl) ether	mg/kg	NA	NA	NA	NA	NA	NA

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Chemical Name	Location ID	KP-SB06	KP-SB06	KP-SB07	KP-SB07	KP-SB08	KP-SB08
	Field Sample ID:	KP-SB06(10-12)	KP-SB06(14-16)	KP-SB07(8-10)	KP-SB07(14-16)	KP-SB08(4-6)	KP-SB08(15-17)
	Sample Date	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012	5/29/2012
	Depth Interval (ft bgs)	10- 12	14- 16	8- 10	14- 16	4- 6	15- 17
bis(2-Chloroethoxy)methane	mg/kg	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl) ether	mg/kg	NA	NA	NA	NA	NA	NA
Bis(2-chloroisopropyl)ether	mg/kg	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	mg/kg	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	mg/kg	NA	NA	NA	NA	NA	NA
Carbazole	mg/kg	NA	NA	NA	NA	NA	NA
Chrysene	mg/kg	NA	NA	NA	NA	NA	NA
Dibenz(a,h)anthracene	mg/kg	NA	NA	NA	NA	NA	NA
Dibenzofuran	mg/kg	NA	NA	NA	NA	NA	NA
Diethylphthalate	mg/kg	NA	NA	NA	NA	NA	NA
Dimethylphthalate	mg/kg	NA	NA	NA	NA	NA	NA
Di-n-butylphthalate	mg/kg	NA	NA	NA	NA	NA	NA
Di-n-octylphthalate	mg/kg	NA	NA	NA	NA	NA	NA
Fluoranthene	mg/kg	NA	NA	NA	NA	NA	NA
Fluorene	mg/kg	NA	NA	NA	NA	NA	NA
Hexachloro-1,3-butadiene	mg/kg	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	mg/kg	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	mg/kg	NA	NA	NA	NA	NA	NA
Hexachloroethane	mg/kg	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	mg/kg	NA	NA	NA	NA	NA	NA
Isophorone	mg/kg	NA	NA	NA	NA	NA	NA
Naphthalene	mg/kg	NA	NA	NA	NA	NA	NA
Nitrobenzene	mg/kg	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	mg/kg	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	mg/kg	NA	NA	NA	NA	NA	NA
Pentachlorophenol	mg/kg	NA	NA	NA	NA	NA	NA
Phenanthrene	mg/kg	NA	NA	NA	NA	NA	NA
Phenol	mg/kg	NA	NA	NA	NA	NA	NA
Pyrene	mg/kg	NA	NA	NA	NA	NA	NA
Petroleum Hydrocarbons							
TPH (C06-C10)	mg/kg	NA	NA	NA	NA	NA	5.5
TPH-DRO (C10-C28)	mg/kg	NA	NA	NA	NA	NA	31.6

Table D-1
Soil Analytical Results
Kimball Avenue Park - 1807-15 North Kimball Avenue
Chicago, Cook County, Illinois

Notes:

% - Percent

D = Duplicate

ft bgs = Feet below ground surface

ID = Identification

J = Concentration estimated

mg/kg = Milligrams per kilogram

mg/L = Milligrams per liter

NA = Not analyzed

PCB = Polychlorinated biphenyls

SU = Standard unit

SVOC = Semivolatile organic compound

TPH = Total petroleum hydrocarbons

U = Constituent not detected. Reporting limit presented.

VOC = Volatile organic compound

DRAFT

Table 1: Soil Analytical Results
 Limited Site Investigation
 Proposed Kimbal Park
 Chicago, IL
 A2107017 Task 7A
 Page 1 of 2

Sample Location/Identification		TB-1	TB-2	TB-2-Dup	TB-3	TB-4	TB-5	TB-5-Dup	Tier 1 Soil Remediation Objectives for Residential Properties				Soil Component of the Groundwater Ingestion Route Values
Sample Depth (feet)		23-25	13-15	13-15	23-25	28-30	15-17	15-17	Occupants		Construction Workers	Background	
Date Collected		8/20/2012	8/20/2012	8/20/2012	8/21/2012	8/21/2012	8/21/2012	8/21/2012	Ingestion	Inhalation	Inhalation	Chicago	Class II
Units													
Volatile Organic Analytical Parameters													
74-87-3	Chloromethane	mg/kg	< 0.0098	< 0.0087	< 0.0094	< 0.0084	< 0.0095	--	310	110	1.1	---	0.68
74-83-9	Bromomethane	mg/kg	< 0.0098	< 0.0087	< 0.0094	< 0.0084	< 0.0095	--	110	10	3.9	---	1.2
75-01-4	Vinyl Chloride	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	0.46	0.28	---	---	0.07
75-00-3	Chloroethane	mg/kg	< 0.0098	< 0.0087	< 0.0094	< 0.0084	< 0.0095	--	31000	1500	94	---	70
75-09-2	Methylene Chloride	mg/kg	< 0.0098	< 0.0087	< 0.0094	< 0.0084	< 0.0095	--	85	13	---	---	0.2
67-64-1	Acetone	mg/kg	< 0.073	< 0.065	< 0.07	< 0.063	< 0.071	--	70000	100000	---	---	25
75-15-0	Carbon Disulfide	mg/kg	< 0.049	< 0.043	< 0.047	< 0.042	< 0.047	--	7800	720	9	---	160
75-35-4	1,1-Dichloroethene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	3900	290	3	---	0.3
75-34-3	1,1-Dichloroethane	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	7800	1300	130	---	110
156-59-2	cis-1,2-Dichloroethene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	780	1200	---	---	1.1
156-60-5	trans-1,2-Dichloroethene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	1600	3100	---	---	3.4
67-66-3	Chloroform	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	100	0.3	---	---	2.9
107-06-2	1,2-Dichloroethane	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	7	0.4	---	---	0.1
78-93-3	2-Butanone	mg/kg	< 0.073	< 0.065	< 0.07	< 0.063	< 0.071	--	47000	25000	710	---	17
71-55-6	1,1,1-Trichloroethane	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	---	1200	---	---	9.6
56-23-5	Carbon Tetrachloride	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	5	0.3	---	---	0.33
75-27-4	Bromodichloromethane	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	10	3000	---	---	0.6
78-87-5	1,2-Dichloropropane	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	9	15	0.5	---	0.15
542-75-6	1,3-Dichloropropene (cis + trans)	mg/kg	< 0.002	< 0.0017	< 0.0019	< 0.0017	< 0.0019	--	6.4	1.1	0.39	---	0.02
79-01-6	Trichloroethene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	0.0049	--	58	5	---	---	0.3
124-48-1	Dibromochloromethane	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	1600	1300	---	---	0.4
79-00-5	1,1,2-Trichloroethane	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	310	1800	---	---	0.3
71-43-2	Benzene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	12	0.8	---	---	0.17
75-25-2	Bromoform	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	81	53	---	---	0.8
1634-04-4	Methyl Tertiary-Butyl Ether	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	780	8800	140	---	0.32
108-10-1	4-Methyl-2-pentanone	mg/kg	< 0.02	< 0.017	< 0.019	< 0.017	< 0.019	--	---	3100	340	---	2.5
591-78-6	2-Hexanone	mg/kg	< 0.02	< 0.017	< 0.019	< 0.017	< 0.019	--	3100	70	0.72	---	1.3
127-18-4	Tetrachloroethene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	12	11	---	---	0.3
108-88-3	Toluene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	16000	650	42	---	29
79-34-5	1,1,2,2-Tetrachloroethane	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	4700	2000	---	---	3.3
108-90-7	Chlorobenzene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	1600	130	1.3	---	6.5
100-41-4	Ethylbenzene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	7800	400	58	---	19
100-42-5	Styrene	mg/kg	< 0.0049	< 0.0043	< 0.0047	< 0.0042	< 0.0047	--	16000	1500	430	---	18
1330-20-7	Xylenes (total)	mg/kg	< 0.015	< 0.013	< 0.014	< 0.013	< 0.014	--	16000	320	5.6	---	150
Semivolatile Organic Analytical Parameters													
108-95-2	Phenol	mg/kg	--	--	--	--	< 0.21	< 0.2	23000	---	---	---	100
111-44-4	bis(2-Chloroethyl) ether	mg/kg	--	--	--	--	< 0.21	< 0.2	0.6	0.2	---	---	0.0004
95-57-8	2-Chlorophenol	mg/kg	--	--	--	--	< 0.21	< 0.2	390	53000	---	---	4
95-50-1	1,2-Dichlorobenzene	mg/kg	--	--	--	--	< 0.21	< 0.2	7000	560	310	---	43
541-73-1	1,3-Dichlorobenzene	mg/kg	--	--	--	--	< 0.21	< 0.2	70	570	---	---	1
106-46-7	1,4-Dichlorobenzene	mg/kg	--	--	--	--	< 0.21	< 0.2	---	11000	340	---	11
95-48-7	2-Methylphenol	mg/kg	--	--	--	--	< 0.21	< 0.2	3900	---	---	---	15
108-60-1	2,2'-oxybis (1-chloropropane)	mg/kg	--	--	--	--	< 0.21	< 0.2	3100	1300	---	---	2.4
106-44-5	4-Methylphenol	mg/kg	--	--	--	--	< 0.21	< 0.2	390	---	---	---	0.2
621-64-7	N-Nitroso-di-n-propylamine	mg/kg	--	--	--	--	< 0.041	< 0.039	0.09	---	---	---	0.00005
67-72-1	Hexachloroethane	mg/kg	--	--	--	--	< 0.21	< 0.2	78	---	---	---	2.6
98-95-3	Nitrobenzene	mg/kg	--	--	--	--	< 0.041	< 0.039	39	92	9.4	---	0.1
78-59-1	Isophorone	mg/kg	--	--	--	--	< 0.21	< 0.2	15600	4600	---	---	8
88-75-5	2-Nitrophenol	mg/kg	--	--	--	--	< 0.21	< 0.2	---	---	---	---	---
105-67-9	2,4-Dimethylphenol	mg/kg	--	--	--	--	< 0.21	< 0.2	1600	---	---	---	9
111-91-1	bis(2-Chloroethoxy) methane	mg/kg	--	--	--	--	< 0.21	< 0.2	---	---	---	---	---
120-83-2	2,4-Dichlorophenol	mg/kg	--	--	--	--	< 0.21	< 0.2	230	---	---	---	1
120-82-1	1,2,4-Trichlorobenzene	mg/kg	--	--	--	--	< 0.21	< 0.2	780	3200	920	---	53
91-20-3	Naphthalene	mg/kg	--	--	--	--	< 0.041	< 0.039	1600	170	1.8	0.04	18

Table 1: Soil Analytical Results
 Limited Site Investigation
 Proposed Kimbal Park
 Chicago, IL
 A2107017 Task 7A
 Page 2 of 2

Sample Location/Identification Sample Depth (feet)		TB-1	TB-2	TB-2-Dup	TB-3	TB-4	TB-5	TB-5-Dup	Tier 1 Soil Remediation Objectives for Residential Properties				Soil Component of the Groundwater Ingestion Route Values
		23-25	13-15	13-15	23-25	28-30	15-17	15-17	Occupants		Construction Workers	Background	
Date Collected		8/20/2012	8/20/2012	8/20/2012	8/21/2012	8/21/2012	8/21/2012	8/21/2012	Ingestion	Inhalation	Inhalation	Chicago	Class II
Units													
106-47-8	4-Chloroaniline	mg/kg	--	--	--	--	< 0.21	< 0.2	310	---	---	---	0.7
87-68-3	Hexachlorobutadiene	mg/kg	--	--	--	--	< 0.21	< 0.2	16	1000	180	---	15
59-50-7	4-Chloro-3-methylphenol	mg/kg	--	--	--	--	< 0.41	< 0.39	5500	---	---	---	120
91-57-6	2-Methylnaphthalene	mg/kg	--	--	--	--	< 0.21	< 0.2	310	---	---	---	36
77-47-4	Hexachlorocyclopentadiene	mg/kg	--	--	--	--	< 0.21	< 0.2	550	10	1.1	---	2200
88-06-2	2,4,6-Trichlorophenol	mg/kg	--	--	--	--	< 0.21	< 0.2	58	200	---	---	0.77
95-95-4	2,4,5-Trichlorophenol	mg/kg	--	--	--	--	< 0.21	< 0.2	7800	---	---	---	1400
91-58-7	2-Chloronaphthalene	mg/kg	--	--	--	--	< 0.21	< 0.2	6300	---	---	---	240
88-74-4	2-Nitroaniline	mg/kg	--	--	--	--	< 0.21	< 0.2	230	35	3.6	---	0.14
131-11-3	Dimethylphthalate	mg/kg	--	--	--	--	< 0.21	< 0.2	780000	1300	---	---	380
208-96-8	Acenaphthylene	mg/kg	--	--	--	--	< 0.041	< 0.039	2300	---	---	0.03	420
606-20-2	2,6-dinitrotoluene	mg/kg	--	--	--	--	< 0.041	< 0.039	0.9	---	---	---	0.0007
99-09-2	3-Nitroaniline	mg/kg	--	--	--	--	< 0.21	< 0.2	23	250	26	---	0.01
83-32-9	Acenaphthene	mg/kg	--	--	--	--	< 0.041	< 0.039	4700	---	---	0.09	2900
51-28-5	2,4-Dinitrophenol	mg/kg	--	--	--	--	< 1	< 0.97	160	---	---	---	0.2
100-02-7	4-Nitrophenol	mg/kg	--	--	--	--	< 0.41	< 0.39	630	---	---	---	---
132-64-9	Dibenzofuran	mg/kg	--	--	--	--	< 0.21	< 0.2	160	---	---	---	30
121-14-2	2,4-Dinitrotoluene	mg/kg	--	--	--	--	< 0.041	< 0.039	0.9	---	---	---	0.0008
84-66-2	Diethylphthalate	mg/kg	--	--	--	--	< 0.21	< 0.2	63000	2000	---	---	470
7005-72-3	4-Chlorophenyl-phenyl ether	mg/kg	--	--	--	--	< 0.21	< 0.2	---	---	---	---	---
86-73-7	Fluorene	mg/kg	--	--	--	--	< 0.041	< 0.039	3100	---	---	0.1	2800
100-01-6	4-Nitroaniline	mg/kg	--	--	--	--	< 0.21	< 0.2	230	1000	110	---	0.1
534-52-1	4,6-Dinitro-2-methylphenol	mg/kg	--	--	--	--	< 0.41	< 0.39	7.8	---	---	---	---
86-30-6	N-nitrosodiphenylamine	mg/kg	--	--	--	--	< 0.041	< 0.039	130	---	---	---	5.6
101-55-3	4-Bromophenyl-phenyl ether	mg/kg	--	--	--	--	< 0.21	< 0.2	---	---	---	---	---
118-74-1	Hexachlorobenzene	mg/kg	--	--	--	--	< 0.21	< 0.2	0.4	1	---	---	11
87-86-5	Pentachlorophenol	mg/kg	--	--	--	--	< 0.041	< 0.039	3	---	---	---	0.14
85-01-8	Phenanthrene	mg/kg	--	--	--	--	< 0.041	< 0.039	2300	---	---	1.3	1000
120-12-7	Anthracene	mg/kg	--	--	--	--	< 0.041	< 0.039	23000	---	---	0.25	59000
86-74-8	Carbazole	mg/kg	--	--	--	--	< 0.21	< 0.2	32	---	---	---	2.8
84-74-2	Di-n-butylphthalate	mg/kg	--	--	--	--	< 0.21	< 0.2	7800	2300	---	---	2300
206-44-0	Fluoranthene	mg/kg	--	--	--	--	< 0.041	< 0.039	3100	---	---	2.7	21000
129-00-0	Pyrene	mg/kg	--	--	--	--	< 0.041	< 0.039	2300	---	---	1.9	21000
85-68-7	Butylbenzylphthalate	mg/kg	--	--	--	--	< 0.21	< 0.2	16000	930	---	---	930
91-94-1	3,3'-Dichlorobenzidine	mg/kg	--	--	--	--	< 0.21	< 0.2	1	---	---	---	0.033
56-55-3	Benzo(a)anthracene	mg/kg	--	--	--	--	< 0.041	< 0.039	0.9	---	---	1.1	8
218-01-9	Chrysene	mg/kg	--	--	--	--	< 0.041	< 0.039	88	---	---	1.2	800
117-81-7	bis(2-Ethylhexyl)phthalate	mg/kg	--	--	--	--	< 1	< 0.97	46	31000	---	---	31000
117-84-0	Di-n-octylphthalate	mg/kg	--	--	--	--	< 0.21	< 0.2	1600	10000	---	---	10000
205-99-2	Benzo(b)fluoranthene	mg/kg	--	--	--	--	< 0.041	< 0.039	0.9	---	---	1.5	25
207-08-9	Benzo(k)fluoranthene	mg/kg	--	--	--	--	< 0.041	< 0.039	9	---	---	0.99	250
50-32-8	Benzo(a)pyrene	mg/kg	--	--	--	--	< 0.041	< 0.039	0.09	---	---	1.3	82
193-39-5	Indeno(1,2,3-c,d)pyrene	mg/kg	--	--	--	--	< 0.041	< 0.039	0.9	---	---	0.86	69
53-70-3	Dibenzo(a,h)anthracene	mg/kg	--	--	--	--	< 0.041	< 0.039	0.09	---	---	0.2	7.6
191-24-2	Benzo(g,h,i)perylene	mg/kg	--	--	--	--	< 0.041	< 0.039	2300	---	---	0.68	130000

Table Notes

Remediation Objectives from 35 Illinois Administrative Code Chapter 742: *Tiered Approach to Corrective Action Objectives (TACO)*.

Remediation Objectives for Non-TACO compounds from Illinois Environmental Protection Agency's (IEPA's) web site (<http://www.epa.state.il.us/land/taco/chemicals-not-in-taco-tier-1-tables.html>).

mg/L = milligrams per liter, generally equivalent to parts per million (ppm)

mg/kg = milligrams per kilogram, generally equivalent to ppm

μg/m³ = micrograms per cubic meter

TCLP = Toxicity Characteristic Leaching Procedure

SPLP = Synthetic Precipitation Leaching Procedure

DRAFT

Table 1

PCE, TCE and Degradation Products Exceeding C_{sat}

1807-1815 North Kimball Avenue

Chicago, Illinois

Client Sample ID :	DB011012	DB011012D (Duplicate)	DB011618	DB012224	DB021012	DB021618	DB022224	DB031012	DB031618	DB031618D (Duplicate)		
Laboratory ID :	18110219-011	18110219-012	18110219-013	18110219-014	18110137-006	18110137-007	18110137-008	18110137-009	18110137-010	18110137-011		
Boring Location :	DB-01	DB-01	DB-01	DB-01	DB-02	DB-02	DB-02	DB-03	DB-03	DB-03		
Sample Interval :	10-12	10-12	16-18	22-24	10-12	16-18	22-24	10-12	16-18	16-18		
Date Collected :	11/07/2018 14:20	11/07/2018 14:22	11/07/2018 14:30	11/07/2018 14:35	11/05/2018 11:20	11/05/2018 11:25	11/05/2018 11:30	11/05/2018 12:10	11/05/2018 12:20	11/05/2018 12:21		
Soil Saturation Concentration (C _{sat})												
Analyte	Outdoor Inhalation(mg/kg)	Soil Component of Groundwater (mg/kg)										
1,1-Dichloroethene	3400	2500	< 0.0054	< 0.0048	< 0.0052	< 0.0042	< 0.0054	< 0.0047	< 0.0061	< 0.0046	< 0.0069	< 0.0065
cis-1,2-Dichloroethene	1300	1000	< 0.0054	< 0.0048	< 0.0052	< 0.0042	< 0.0054	< 0.0047	< 0.0061	< 0.0046	< 0.0069	< 0.0065
trans-1,2-Dichloroethene	3000	2100	< 0.0054	< 0.0048	< 0.0052	< 0.0042	< 0.0054	< 0.0047	< 0.0061	< 0.0046	< 0.0069	< 0.0065
Tetrachloroethene	800	310	< 0.0054	< 0.0048	< 0.0052	< 0.0042	< 0.0054	< 0.0047	< 0.0061	< 0.0046	< 0.0069	< 0.0065
Trichloroethene	1200	650	< 0.0054	< 0.0048	< 0.0052	< 0.0042	< 0.0054	< 0.0047	< 0.0061	< 0.0046	< 0.0069	< 0.0065
Vinyl chloride	2600	2900	< 0.0054	< 0.0048	< 0.0052	< 0.0042	< 0.0054	< 0.0047	< 0.0061	< 0.0046	< 0.0069	< 0.0065
Depth interval exceeding C _{sat} , feet below ground surface:			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Sample results are preliminary at present, and in draft form.

Table 1 was prepared by AECOM using EDI data table.

NA = Not applicable

C_{sat} = Soil Saturation Concentration

Shaded Values exceeded C_{sat}

Values that exceed C_{sat} for Outdoor inhalation are shown in **Bold**.

PCE = Tetrachloroethene

TCE= Trichloroethene

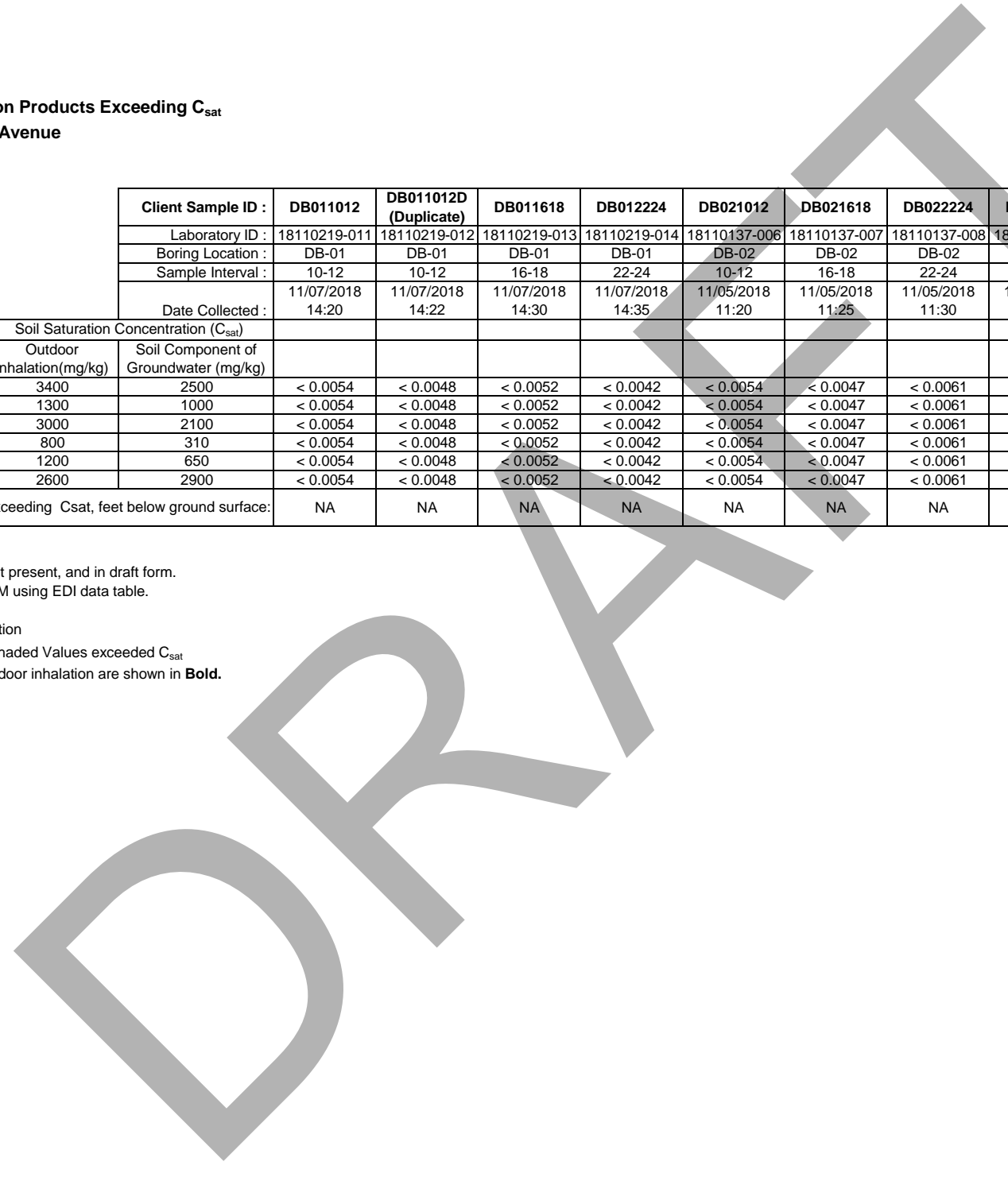


Table 1

PCE, TCE and Degradation Products Exceeding C_{sat}

1807-1815 North Kimball Avenue

Chicago, Illinois

Client Sample ID :	DB032224	DB041012	DB041618	DB042224	DB041618D (Duplicate)	DB052022	DB052426	DB061416	DB062224	DB071113		
Laboratory ID :	18110137-012	18110187-018	18110187-019	18110187-020	18110187-021	18110137-004	18110137-005	18110137-013	18110137-014	18110187-006		
Boring Location :	DB-03	DB-04	DB-04	DB-04	DB-04	DB-05	DB-05	DB-06	DB-06	DB-07		
Sample Interval :	22-24	10-12	16-18	22-24	16-18	20-22	24-26	14-16	22-24	11-13		
Date Collected :	11/05/2018 12:30	11/06/2018 15:00	11/06/2018 15:10	11/06/2018 15:20	11/06/2018 15:15	11/05/2018 10:20	11/05/2018 10:30	11/05/2018 12:40	11/05/2018 12:45	11/06/2018 11:30		
Soil Saturation Concentration (C _{sat})												
Analyte	Outdoor Inhalation(mg/kg)	Soil Component of Groundwater (mg/kg)										
1,1-Dichloroethene	3400	2500	< 0.0050	< 0.0045	< 0.0049	< 0.0052	< 0.0050	< 0.0083	< 0.0050	0.0055	< 0.0056	< 0.0045
cis-1,2-Dichloroethene	1300	1000	< 0.0050	< 0.0045	< 0.0049	< 0.0052	< 0.0050	< 0.0083	< 0.0050	0.010	< 0.0056	0.010
trans-1,2-Dichloroethene	3000	2100	< 0.0050	< 0.0045	< 0.0049	< 0.0052	< 0.0050	< 0.0083	< 0.0050	< 0.0052	< 0.0056	< 0.0045
Tetrachloroethene	800	310	< 0.0050	< 0.0045	< 0.0049	< 0.0052	< 0.0050	< 0.0083	< 0.0050	< 0.0052	< 0.0056	< 0.0045
Trichloroethene	1200	650	< 0.0050	< 0.0045	< 0.0049	< 0.0052	< 0.0050	< 0.0083	< 0.0050	0.25	0.013	< 0.0045
Vinyl chloride	2600	2900	< 0.0050	< 0.0045	< 0.0049	< 0.0052	< 0.0050	< 0.0083	< 0.0050	0.29	< 0.0056	< 0.0045
Depth interval exceeding C _{sat} , feet below ground surface:		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Sample results are preliminary at present, and in draft form.

Table 1 was prepared by AECOM using EDI data table.

NA = Not applicable

C_{sat} = Soil Saturation Concentration

Shaded Values exceeded C_{sat}

Values that exceed C_{sat} for Outdoor inhalation are shown in **Bold**.

PCE = Tetrachloroethene

TCE= Trichloroethene

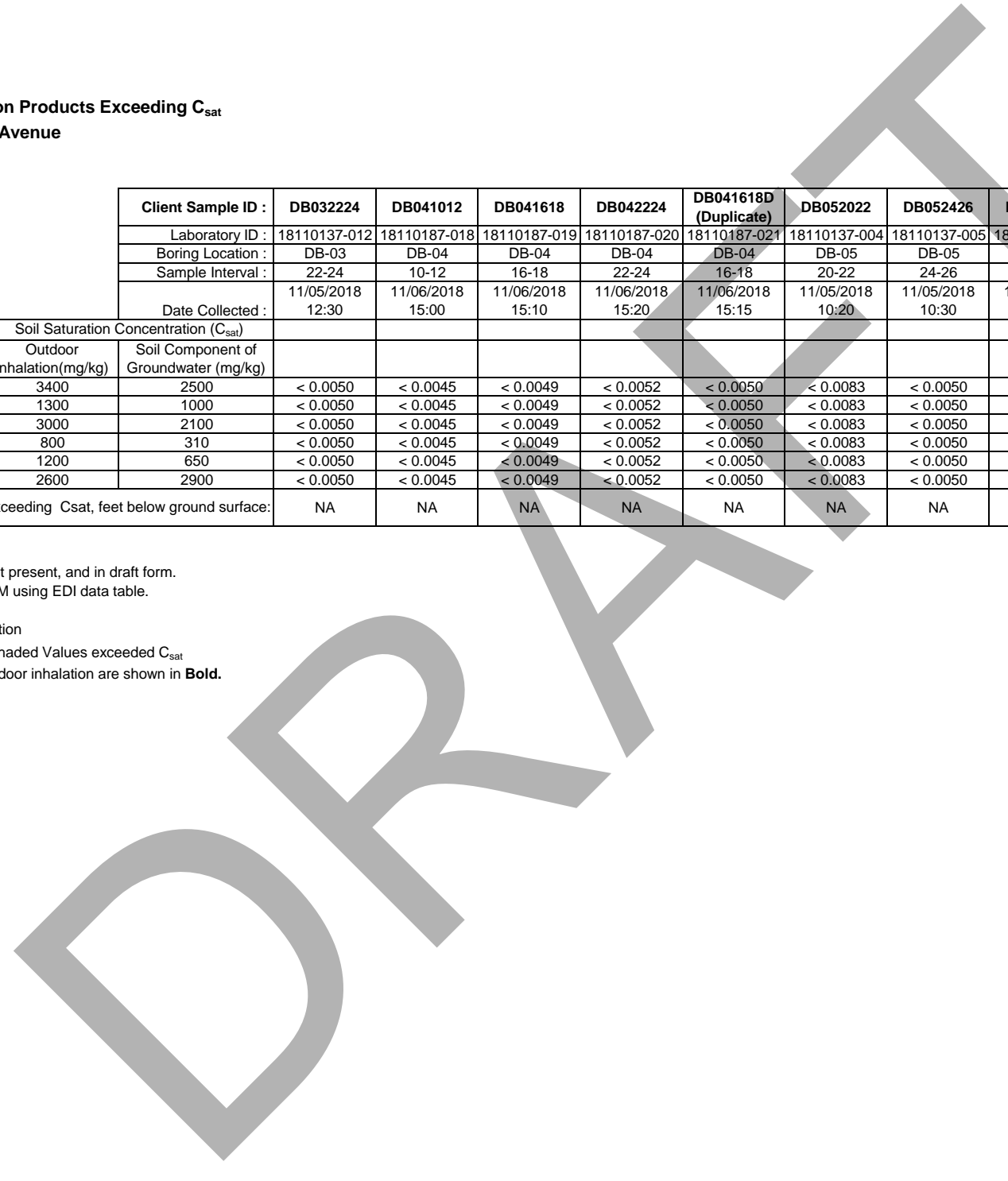


Table 1

PCE, TCE and Degradation Products Exceeding C_{sat}

1807-1815 North Kimball Avenue

Chicago, Illinois

Client Sample ID :	DB071618	DB072224	DB081113	DB081618	DB082224	DB091113	DB091618	DB092224	DB101820	DB102628		
Laboratory ID :	18110187-007	18110187-008	18110219-008	18110219-009	18110219-010	18110137-001	18110137-002	18110137-003	18110219-001	18110219-002		
Boring Location :	DB-07	DB-07	DB-08	DB-08	DB-08	DB-09	DB-09	DB-09	DB-10	DB-10		
Sample Interval :	16-18	22-24	11-13	16-18	22-24	11-13	16-18	22-24	18-20	26-28		
Date Collected :	11/06/2018 11:35	11/06/2018 11:40	11/07/2018 13:40	11/07/2018 13:45	11/07/2018 13:50	11/05/2018 09:30	11/05/2018 09:35	11/05/2018 09:40	11/07/2018 09:00	11/07/2018 09:10		
Soil Saturation Concentration (C _{sat})												
Analyte	Outdoor Inhalation(mg/kg)	Soil Component of Groundwater (mg/kg)										
1,1-Dichloroethene	3400	2500	< 0.0050	< 0.0048	< 0.0048	< 0.0048	< 0.0043	< 28	< 0.0059	< 0.0046	< 0.0047	< 0.0043
cis-1,2-Dichloroethene	1300	1000	< 0.0050	< 0.0048	0.017	< 0.0048	< 0.0043	< 28	< 0.0059	< 0.0046	< 0.0047	< 0.0043
trans-1,2-Dichloroethene	3000	2100	< 0.0050	< 0.0048	< 0.0048	< 0.0048	< 0.0043	< 28	< 0.0059	< 0.0046	< 0.0047	< 0.0043
Tetrachloroethene	800	310	< 0.0050	< 0.0048	< 0.0048	< 0.0048	< 0.0043	< 28	< 0.0059	< 0.0046	< 0.0047	< 0.0043
Trichloroethene	1200	650	< 0.0050	< 0.0048	0.016	< 0.0048	0.0071	2,300	0.06	< 0.0046	0.24	0.0079
Vinyl chloride	2600	2900	< 0.0050	< 0.0048	0.029	< 0.0048	< 0.0043	< 28	< 0.0059	< 0.0046	< 0.0047	< 0.0043
Depth interval exceeding C _{sat} , feet below ground surface:			NA	NA	NA	NA	NA	11-13	NA	NA	NA	NA

Notes:

Sample results are preliminary at present, and in draft form.

Table 1 was prepared by AECOM using EDI data table.

NA = Not applicable

C_{sat} = Soil Saturation Concentration

Shaded Values exceeded C_{sat}

Values that exceed C_{sat} for Outdoor inhalation are shown in **Bold**.

PCE = Tetrachloroethene

TCE= Trichloroethene

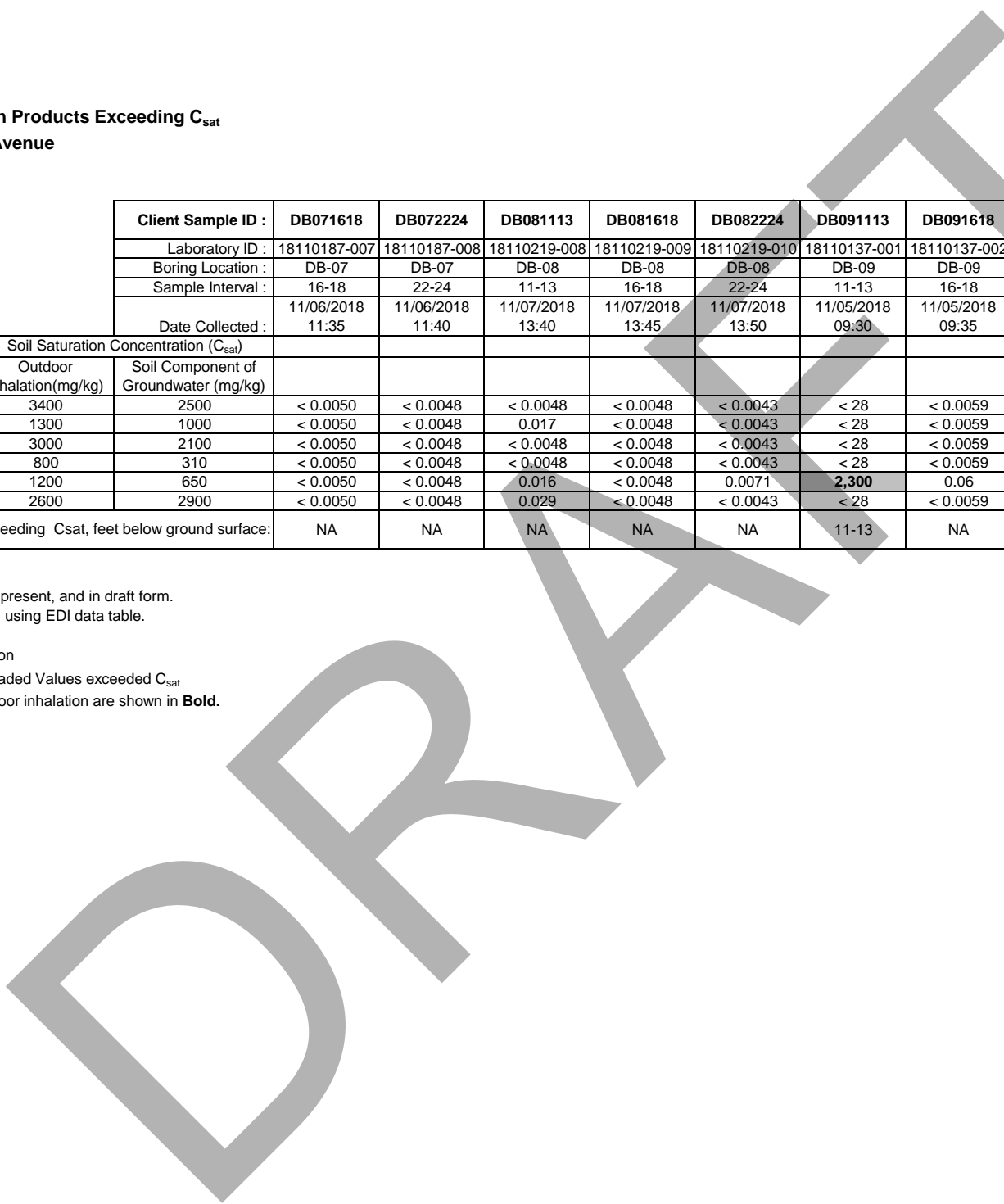


Table 1

PCE, TCE and Degradation Products Exceeding C_{sat}

1807-1815 North Kimball Avenue

Chicago, Illinois

Client Sample ID :	DB111214	DB111820	DB112628	DB121214	DB121214D (Duplicate)	DB121820	DB122628M (MS/MSD)	DB131820	DB132426	DB141416		
Laboratory ID :	18110137-015	18110137-016	18110137-017	18110137-018	18110137-019	18110137-020	18110137-021	18110219-003	18110219-004	18110187-001		
Boring Location :	DB-11	DB-11	DB-11	DB-12	DB-12	DB-12	DB-12	DB-13	DB-13	DB-14		
Sample Interval :	12-14	18-20	26-28	12-14	12-14	18-20	26-28	18-20	24-26	14-16		
Date Collected :	11/05/2018 13:15	11/05/2018 13:25	11/05/2018 13:30	11/05/2018 14:40	11/05/2018 14:42	11/05/2018 14:45	11/05/2018 14:50	11/07/2018 10:00	11/07/2018 10:10	11/06/2018 09:00		
Soil Saturation Concentration (C _{sat})												
Analyte	Outdoor Inhalation(mg/kg)	Soil Component of Groundwater (mg/kg)										
1,1-Dichloroethene	3400	2500	< 23	< 0.0050	< 0.0044	< 0.0051	< 0.0050	< 0.0051	< 0.0049	< 0.0051	< 0.0058	< 0.0049
cis-1,2-Dichloroethene	1300	1000	< 23	< 0.0050	< 0.0044	< 0.0051	< 0.0050	< 0.0051	< 0.0049	< 0.0051	< 0.0058	< 0.0049
trans-1,2-Dichloroethene	3000	2100	< 23	< 0.0050	< 0.0044	< 0.0051	< 0.0050	< 0.0051	< 0.0049	< 0.0051	< 0.0058	< 0.0049
Tetrachloroethene	800	310	< 23	< 0.0050	< 0.0044	< 0.0051	< 0.0050	< 0.0051	< 0.0049	< 0.0051	< 0.0058	< 0.0049
Trichloroethene	1200	650	2,300	< 0.0050	< 0.0044	< 0.0051	< 0.0050	< 0.0051	< 0.0049	0.014	0.024	< 0.0049
Vinyl chloride	2600	2900	< 23	< 0.0050	< 0.0044	< 0.0051	< 0.0050	< 0.0051	< 0.0049	< 0.0051	< 0.0058	< 0.0049
Depth interval exceeding C _{sat} , feet below ground surface:		12-14	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Sample results are preliminary at present, and in draft form.

Table 1 was prepared by AECOM using EDI data table.

NA = Not applicable

C_{sat} = Soil Saturation Concentration

Shaded Values exceeded C_{sat}

Values that exceed C_{sat} for Outdoor inhalation are shown in **Bold**.

PCE = Tetrachloroethene

TCE= Trichloroethene

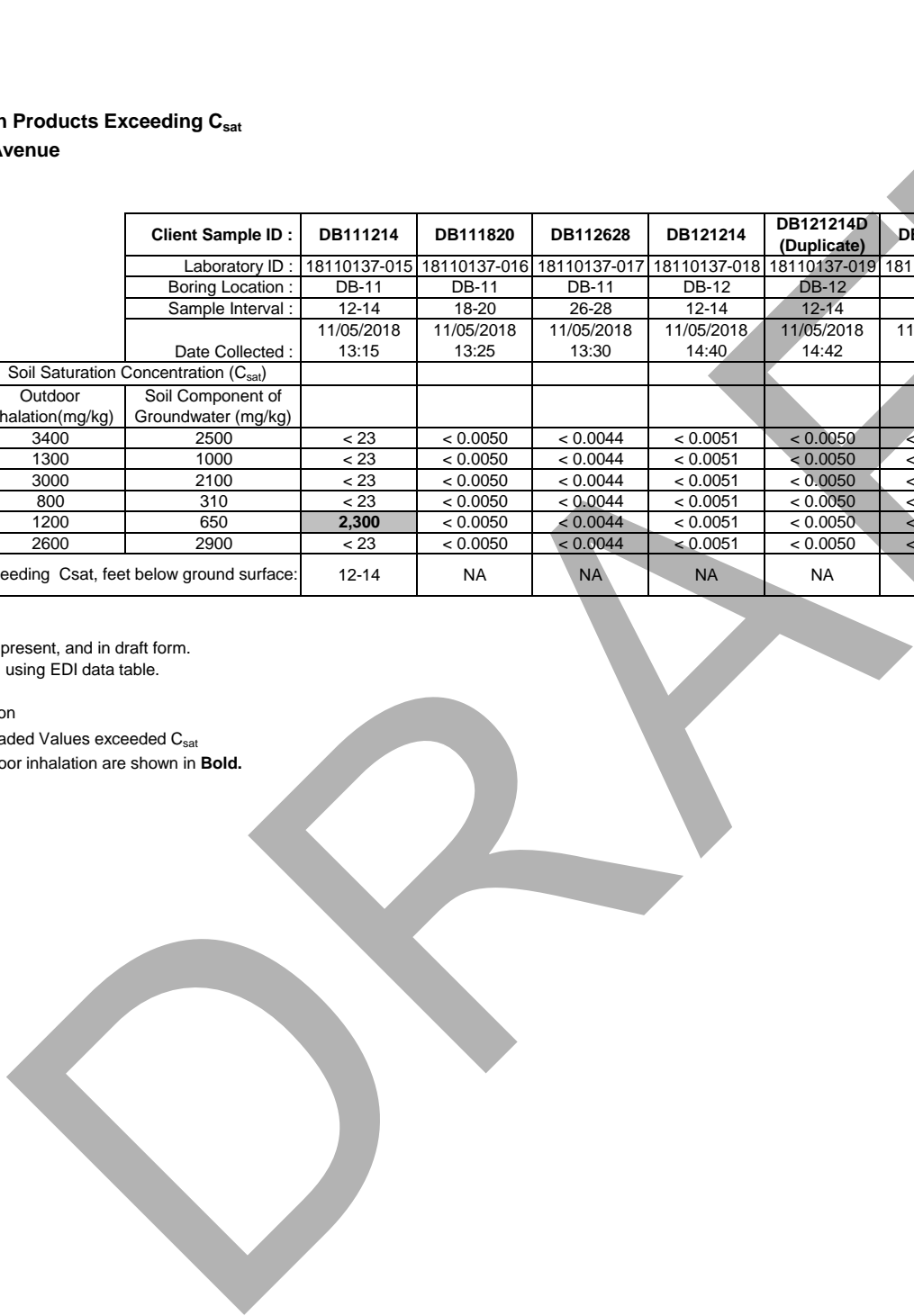


Table 1

PCE, TCE and Degradation Products Exceeding C_{sat}

1807-1815 North Kimball Avenue

Chicago, Illinois

Client Sample ID :	DB141820	DB151012	DB151618	DB152224	DB161012	DB161618	DB161618D (Duplicate)	DB162224	DB171214	DB171618		
Laboratory ID :	18110187-002	18110187-003	18110187-004	18110187-005	18110187-009	18110187-010	18110187-011	18110187-012	18110187-013	18110187-014		
Boring Location :	DB-14	DB-15	DB-15	DB-15	DB-16	DB-16	DB-16	DB-16	DB-17	DB-17		
Sample Interval :	18-20	10-12	16-18	22-24	10-12	16-18	16-18	22-24	12-14	16-18		
Date Collected :	11/06/2018 09:05	11/06/2018 10:50	11/06/2018 11:00	11/06/2018 11:15	11/06/2018 12:25	11/06/2018 12:30	11/06/2018 12:35	11/06/2018 12:45	11/06/2018 13:20	11/06/2018 13:25		
Soil Saturation Concentration (C _{sat})												
Analyte	Outdoor Inhalation(mg/kg)	Soil Component of Groundwater (mg/kg)										
1,1-Dichloroethene	3400	2500	< 0.0052	< 0.0055	< 0.0043	< 0.0041	< 0.0051	< 0.0045	< 0.0049	< 0.0042	< 22	< 0.0047
cis-1,2-Dichloroethene	1300	1000	< 0.0052	< 0.0055	< 0.0043	< 0.0041	< 0.0051	< 0.0045	< 0.0049	< 0.0042	< 22	< 0.0047
trans-1,2-Dichloroethene	3000	2100	< 0.0052	< 0.0055	< 0.0043	< 0.0041	< 0.0051	< 0.0045	< 0.0049	< 0.0042	< 22	< 0.0047
Tetrachloroethene	800	310	< 0.0052	< 0.0055	< 0.0043	< 0.0041	< 0.0051	< 0.0045	< 0.0049	< 0.0042	< 22	< 0.0047
Trichloroethene	1200	650	< 0.0052	< 0.0055	< 0.0043	< 0.0041	< 0.0051	< 0.0045	< 0.0049	< 0.0042	980	0.034
Vinyl chloride	2600	2900	< 0.0052	< 0.0055	< 0.0043	< 0.0041	< 0.0051	< 0.0045	< 0.0049	< 0.0042	< 22	< 0.0047
Depth interval exceeding C _{sat} , feet below ground surface:			NA	NA	NA	NA	NA	NA	NA	NA	12-14	NA

Notes:

Sample results are preliminary at present, and in draft form.

Table 1 was prepared by AECOM using EDI data table.

NA = Not applicable

C_{sat} = Soil Saturation Concentration

Shaded Values exceeded C_{sat}

Values that exceed C_{sat} for Outdoor inhalation are shown in **Bold**.

PCE = Tetrachloroethene

TCE= Trichloroethene

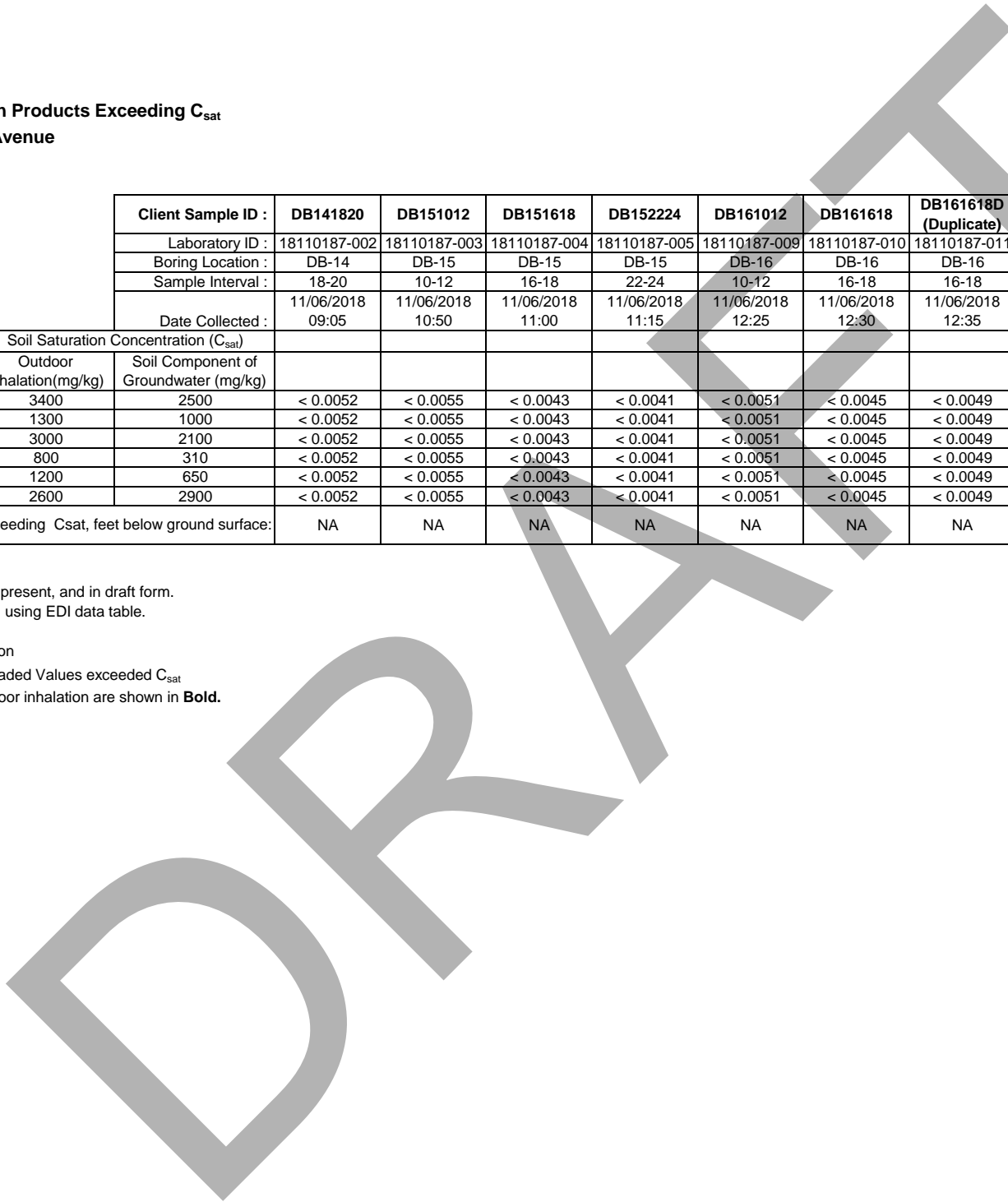


Table 1

PCE, TCE and Degradation Products Exceeding C_{sat}

1807-1815 North Kimball Avenue

Chicago, Illinois

Client Sample ID :	DB172224	DB181012	DB181618	DB182224	DB191416	DB191820	DB201012	DB201618	DB201618M (MS/MSD)	DB202426		
Laboratory ID :	18110187-015	18110219-005	18110219-006	18110219-007	18110187-016	18110187-017	18110358-006	18110358-007	18110358-008	18110358-009		
Boring Location :	DB-17	DB-18	DB-18	DB-18	DB-19	DB-19	DB-20	DB-20	DB-20	DB-20		
Sample Interval :	22-24	10-12	16-18	22-24	14-16	18-20	10-12	16-18	16-18	24-26		
Date Collected :	11/06/2018 13:30	11/07/2018 12:30	11/07/2018 12:40	11/07/2018 12:45	11/06/2018 14:20	11/06/2018 14:25	11/08/2018 14:00	11/08/2018 14:15	11/08/2018 14:16	11/08/2018 14:30		
Soil Saturation Concentration (C _{sat})												
Analyte	Outdoor Inhalation(mg/kg)	Soil Component of Groundwater (mg/kg)										
1,1-Dichloroethene	3400	2500	< 0.0049	< 26	< 0.0046	< 0.0060	< 0.0051	< 0.0048	< 0.0048	< 0.0048	< 0.0038	< 0.0040
cis-1,2-Dichloroethene	1300	1000	< 0.0049	31	< 0.0046	< 0.0060	< 0.0051	< 0.0048	0.014	< 0.0048	< 0.0038	< 0.0040
trans-1,2-Dichloroethene	3000	2100	< 0.0049	< 26	< 0.0046	< 0.0060	< 0.0051	< 0.0048	< 0.0048	< 0.0048	< 0.0038	< 0.0040
Tetrachloroethene	800	310	< 0.0049	< 26	< 0.0046	< 0.0060	< 0.0051	< 0.0048	< 0.0048	< 0.0048	< 0.0038	< 0.0040
Trichloroethene	1200	650	< 0.0049	3,200	0.12	0.013	< 0.0051	< 0.0048	< 0.0048	< 0.0048	< 0.0038	< 0.0040
Vinyl chloride	2600	2900	< 0.0049	< 26	< 0.0046	< 0.0060	< 0.0051	< 0.0048	0.017	< 0.0048	< 0.0038	< 0.0040
Depth interval exceeding C _{sat} , feet below ground surface:		NA	10-12	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

Sample results are preliminary at present, and in draft form.

Table 1 was prepared by AECOM using EDI data table.

NA = Not applicable

C_{sat} = Soil Saturation Concentration

Shaded Values exceeded C_{sat}

Values that exceed C_{sat} for Outdoor inhalation are shown in **Bold**.

PCE = Tetrachloroethene

TCE= Trichloroethene

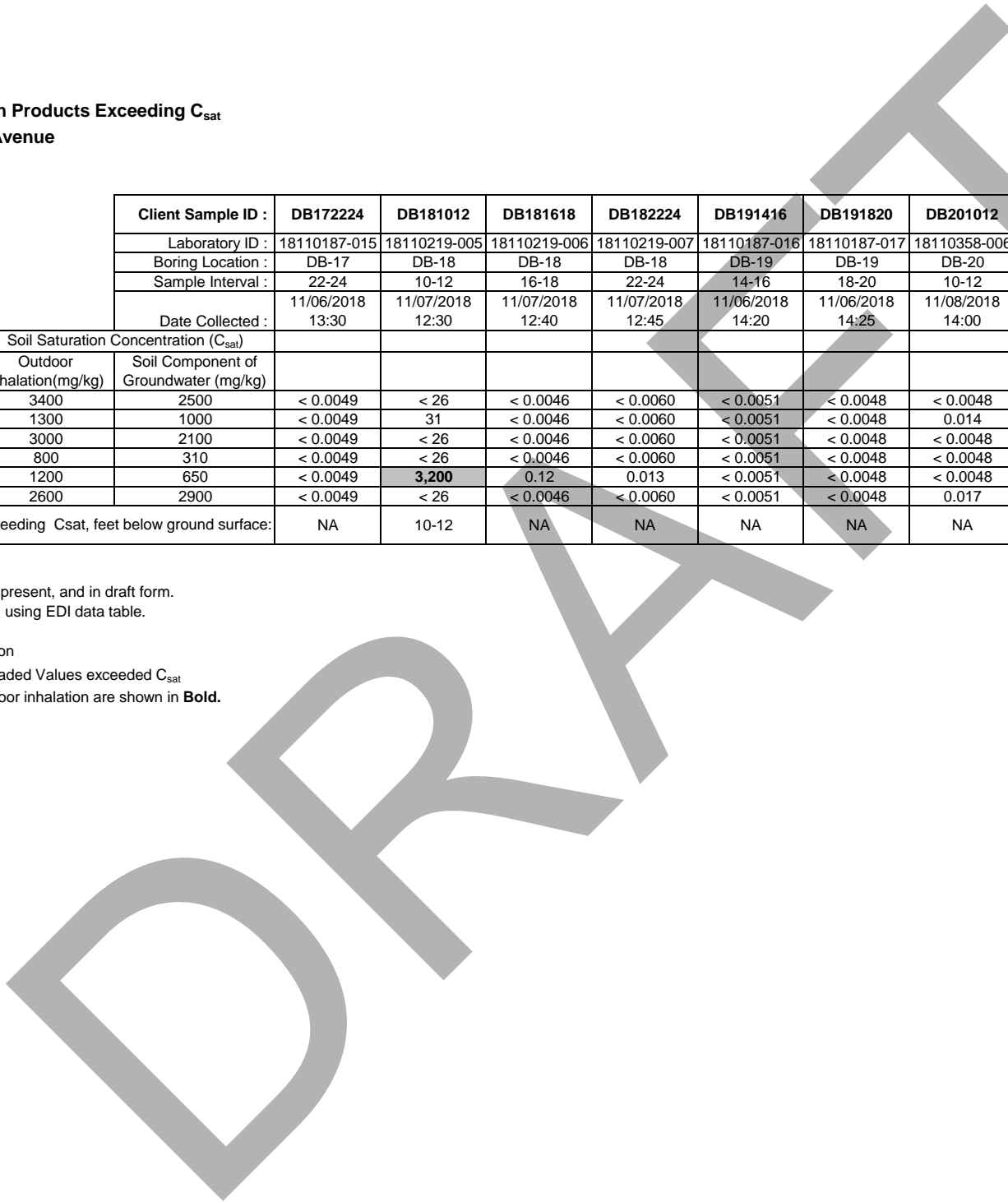


Table 1**PCE, TCE and Degradation Products Exceeding C_{sat}**

1807-1815 North Kimball Avenue

Chicago, Illinois

Client Sample ID :	DB202426D (Duplicate)	DB211820	DB212325	DB221012	DB221618	DB222426		
Laboratory ID :	18110358-010	18110358-004	18110358-005	18110358-001	18110358-002	18110358-003		
Boring Location :	DB-20	DB-21	DB-21	DB-22	DB-22	DB-22		
Sample Interval :	24-26	18-20	23-25	10-12	16-18	24-26		
Date Collected :	11/08/2018 14:31	11/08/2018 12:00	11/08/2018 12:15	11/08/2018 10:40	11/08/2018 10:50	11/08/2018 11:00		
Soil Saturation Concentration (C _{sat})								
Analyte	Outdoor Inhalation(mg/kg)	Soil Component of Groundwater (mg/kg)						
1,1-Dichloroethene	3400	2500	< 0.0038	< 0.0055	< 0.0041	< 0.0049	< 0.0048	< 0.0041
cis-1,2-Dichloroethene	1300	1000	< 0.0038	< 0.0055	< 0.0041	0.0082	< 0.0048	< 0.0041
trans-1,2-Dichloroethene	3000	2100	< 0.0038	< 0.0055	< 0.0041	< 0.0049	< 0.0048	< 0.0041
Tetrachloroethene	800	310	< 0.0038	< 0.0055	< 0.0041	< 0.0049	< 0.0048	< 0.0041
Trichloroethene	1200	650	< 0.0038	< 0.0055	< 0.0041	< 0.0049	< 0.0048	< 0.0041
Vinyl chloride	2600	2900	< 0.0038	< 0.0055	< 0.0041	0.023	< 0.0048	< 0.0041
Depth interval exceeding C _{sat} , feet below ground surface:			NA	NA	NA	NA	NA	NA

Notes:

Sample results are preliminary at present, and in draft form.

Table 1 was prepared by AECOM using EDI data table.

NA = Not applicable

C_{sat} = Soil Saturation ConcentrationShaded Values exceeded C_{sat}Values that exceed C_{sat} for Outdoor inhalation are shown in **Bold**.

PCE = Tetrachloroethene

TCE= Trichloroethene

