2448

SOFT HAMMER LAND BAN WASTES DEMONSTRATION AND CERTIFICATION OF BEST PRACTICALLY AVAILABLE TECHNOLOGY WHICH YIELDS THE GREATEST ENVIRONMENTAL BENEFIT

This document serves as a Demonstration and Certification statement that I have selected high temperature incineration as the best practically available technology which yields the greatest environmental benefit.

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Waste Management Division
U.S. EPA, REGION 5
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RECORD CENTER
1/29/93

I. Generator Identification Information

Name: Roadway Express Inc.

Address: 3434 West 51st Street
Chicago, IL 60632

U.S. EPA Waste Code No.: U012 U044

U.S. EPA ID No.: ILD062500665

Waste Product No.: 8905772-8905771

II. Demonstration

In order to determine that high temperature incineration is the best practically available technology which yields the greatest environmental benefit, I contacted the facility and official listed below:

Company: Marine Shale Processors, Inc.

Official: Brian Prince

Title: Technical Sales

Address: Highway 60 East, Morgan City, LA 70380

Telephone: 504-631-3161

Date of Contact: 10-8-89

III. I certify under penalty of law that the requirements of 40 CFR Part 268.8(a)(1) have been met and that I have contracted to treat my waste by the practically available technology which yields the greatest environmental benefit, as indicated in my demonstration. I believe that the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

NAME Clay V. Richter SIGNATURE

DATE 11-28-89

ROADWAY
EXPRESS, INC.
P.O. BOX 471
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AKRON, OH 44309-0471

PRESORTED FIRST CLASS

AKRON
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Regional Administrator
U.S. EPA Region V
230 South Dearborn St.
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ILD 062500665

PIONEER
ENVIRONMENTAL SERVICES, LLC

Self-Implementing PCB Cleanup Application
40 CFR 761.61(a)

3434 West 51st Street
Chicago, Illinois

Prepared For:
United Neighborhood Organization
954 West Washington Boulevard
3rd Floor
Chicago, Illinois 60607
Attn: Andrew Alt

Project Number:
10-0461-103

Date Submitted:
December 20, 2010

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ENVIRONMENTAL SERVICES, LLC

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The following personnel have prepared and/or reviewed this report.

Jeffrey McClelland, P.E.
Vice President
Report Reviewer

Dakota Prentice
Project Manager
Report Author

Property Owner Certification

I attest that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site are on file at the location designated in the certificate, and are available for EPA inspection.

Andrew Alt
Authorized Agent
United Neighborhood Organization

Licensed Professional Engineer Certification

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate, and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

I attest that all site investigations or remedial activities, including review of laboratory data, that are the subject of this plan or report were performed under my direction and this document and all attachments were prepared under my direction or reviewed by me, and, to the best of my knowledge and belief, the work described in the plan or report has been designed or completed in accordance with the Act, 35 Ill. Adm. Code 740, and generally accepted engineering practices, and the information presented, including any qualified laboratory data, is accurate and complete. In addition, I affirm that the documentation of the prior investigations or remedial activities completed by others is suitable for use and consideration in evaluating site conditions in connection with this assessment.

Jeffrey McClelland, P.E.
Vice President

10-0461-103

Pioneer Project Number

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1.0 INTRODUCTION

1.1 Objectives

Pioneer Environmental Services, LLC (Pioneer) was contracted by United Neighborhood Organization (UNO), the client, to provide environmental consulting services in connection with the subject property located at 3434 West 51st Street in Chicago, Illinois (subject property, Appendix A, Figure 1). The consulting services were provided in connection with the eventual pursuit of a "comprehensive" No Further Remediation (NFR) Letter for the site from the Illinois EPA (IEPA), pursuant to Title 35 IAC (Illinois Administrative Code) Part 740 (Site Remediation Program - SRP), Subpart F and Section 58.10 of the Illinois Environmental Protection Act (the Act). These activities were voluntarily initiated, based on the results of investigation activities at the subject site, to determine the degree of remedial action necessary to comply with applicable regulations and eventually obtain an NFR Letter.

Assessment activities of the site identified the former use of the western portion of the site as a scrap metal yard from circa 1950 through the late-1960s as a recognized environmental condition (REC). Subsequent subsurface investigation activities identified PCB impacts beneath the western portions of the subject property (along with other impacts to be addressed through the IEPA). Based on the available information, the source and date of the PCB release(s) to the site's soil is unknown, but is presumed to be related to the former use of the western portion of the site as a scrap metal yard, which apparently occurred through the late-1960s. The site was most recently utilized as a motor freight facility by Roadway Express Inc. and is currently owned by UNO. The proposed redevelopment plan for the subject property consists of the demolition of the existing structures (elevated loading docks and concrete slabs of previously demolished buildings) and the construction of a charter elementary school (Figure 2). The contents of this submittal are intended to provide the information required, pursuant to 40 CFR 761.61(a)(3), to obtain formal approval from the U.S. EPA's Region 5 Office of Pollution Prevention & Toxics, PCB Office to conduct self-implementing cleanup of PCB-impacted soils, in accordance with 40 CFR Part 761.61(a).

The main objective of this Self-Implementing PCB Cleanup Application (PCB Application) is to obtain approval from the U.S. EPA to conduct self-implementing cleanup of PCB-impacted soils, pursuant to 40 CFR Part 761.61(a). The cleanup activities are also being performed to allow the use of a risk-based approach to corrective action for non-PCB impacts under the IEPA's Title 35 IAC Part 742 (Tiered Approach to Corrective Action Objectives - TACO) regulations. Thus, it should be noted that a separate Comprehensive Site Investigation Report/Remediation Objectives Report/Remedial Action Plan (CSIR/ROR/RAP) will be prepared for submittal to the IEPA's Site Remediation Program (SRP) to address the non-PCB related environmental contamination identified at the site.

The redevelopment of the subject property is expected to proceed in two stages. Phase 1 will consist of construction of the school building and associated improvements in the southeastern portion of the site

where no PCBs were detected above 1 ppm (Figure 2). Prior to the opening of the school, the Phase 1 area will be fenced to prevent access to the Phase 2 portion of the site. Following completion of all required environmental activities in Phase 1, the property owner will request an NFR letter from the IEPA, which will also require a letter from USEPA confirming that all work related to PCBs at this portion of the site is complete.

The "hot spot" areas (PCBs > 10 ppm) in Phase 2 will be remediated in advance of the school opening and the balance of the Phase 2 area will be left in its current state (largely covered with an asphalt or concrete cap) until the property owner determines the best use of this portion of the site. Following completion of the "hot spot" PCB remediation activity (as well as other remediation work overseen by the IEPA), the property owner will request a draft NFR letter documenting that all active remediation work has been completed at this portion of the site. At a future date, following installation of final engineered barriers (where required), the property owner will request a final NFR letter.

It should be reiterated that the scope of work outlined herein is being conducted to promote the beneficial reuse of this former industrial/commercial site through the implementation of a practical risk reduction approach, in accordance with the IEPA's TACO regulations. The current owner has not contributed to the identified PCB contamination, which is the result of activities that occurred prior to its acquisition of the property, but is pursuing formal closure for associated impacts in connection with the proposed redevelopment of the subject property.

The following PCB Application is strictly related to PCBs and provides a summary of the assessment results obtained to date and a proposal for remedial actions related to the PCB impacted soils identified on the subject property.

1.2 Background Information

The subject property is located at the northwest corner of West 51st Street and South Homan Avenue, in Chicago, Illinois. The subject property encompasses approximately 8.81 acres and is currently vacant land covered by concrete and asphalt-paved surfaces, with two elevated concrete docks on its central and east portions (Figure 1). The site was acquired in November 2010 by the current owner.

Pioneer was initially contracted to assess the subject property in August 2010 by UNO for environmental due diligence related to their potential purchase of the site. Pioneer was provided environmental reports related to the subject property; however, these reports focused on the removal of petroleum underground storage tanks (USTs) from the site and obtaining environmental closure with the IEPA for petroleum contamination associated with the USTs.

Pioneer reviewed Sanborn Fire Insurance Maps (Sanborn maps) and historical aerial photographs in order to obtain additional historical information related to the site. A Sanborn map, dated 1950, documented the presence of a scrap metal yard located on the western portion of the subject property operated by the

Archer Iron and Metal Company. By 1968, aerial photographs show this western portion of the site as vacant land utilized as parking for semi-trailer storage as a part of the larger trucking terminal located throughout the remainder of the site since the late-1940s. The subject property continued to be used as a trucking terminal through approximately 2005.

Based on the results of the limited investigation performed to date and available historical data, Pioneer performed soil and groundwater testing at the site. Pioneer mobilized subsurface drilling equipment and OSHA-certified personnel to the subject property on multiple occasions from August through November 2010, and advanced a total of 101 soil borings and installed five groundwater monitoring wells throughout the site. Pioneer collected 148 soil samples for analysis of various combinations of the IEPA's Target Compound List (TCL) (35 IAC 740, Appendix A), which includes PCBs. The non-PCB components of the TCL (Targeted Compounds) were compared to the IEPA's most stringent soil remediation objectives (Tier 1 SROs) found in 35 IAC 742 for residential property use. These non-PCB Tier 1 SRO exceedances are summarized in Table 1-1 as well as the "Tables" section of the appendices. Please note that multiple locations of characteristically hazardous lead impacted soil were identified (Table 6); however, the characteristically hazardous soil was not associated with PCB contamination requiring offsite disposal.

Table 1-1 Summary of non-PCB COCs > Tier 1 SROs

Sample ID	Ingestion (residential)	Inhalation (residential)	Ingestion (construction worker)	Inhalation (construction worker)	Migration to Class I Groundwater	Migration to Class II Groundwater
PB-1(0-4)	As, Pb		Pb		Cd, Cr, Pb	Pb
PB-2(0-4)	As, Pb		Pb		Cr, Pb, Ag	Pb
PB-3(0-3)	As, Pb		Pb		Pb	Pb
PB-6(0-3)	As, Pb				VC, Pb	
PB-6B(7.5-10)	VC	VC		VC	c-DCE, t-DCE, VC	c-DCE, t-DCE, VC
PB-6E(2.5-5)	VC	VC		VC	c-DCE, TCE, VC	c-DCE, TCE, VC
PB-7(6-8)					Cr	
PB-10(9-11)					Cr	
PB-13(0-4)		B		B, X, N	B, E	B, E
Pb-17(6-8)	As					
PB-18(4-6)	As					
PB-19(4-6)					Cr	
PB-21(0-4)	As, Pb		Pb		Pb	Pb

Sample ID	Ingestion (residential)	Inhalation (residential)	Ingestion (construction worker)	Inhalation (construction worker)	Migration to Class I Groundwater	Migration to Class II Groundwater
PB-22(0-4)	B(a)A, B(a)P, B (b)F, I				B(a)A	
PB-24(0-4)	As, Pb		Pb		Cr, Pb	Pb
PB-25(0-4)	B(a)A, B(a)P, B (b)F, D, I, Cr, Pb	Cr	Pb		B(a)A, Cr, Pb	Pb
PB-26(4-8)		B		B	B	B
PB-27(4-8)					B	B
PB-33(0-4)					Pb	
PB-35(0-4)	B(a)A, B(a)P, B (b)F, B(k)F, C, D, I		B(a)P	N	B(a)A, B(a)P, B (b)F, D, I, N, P	B(a)A, B(b)F, D, N
PB-40(0-4)	Pb					
PB-43(0-4)	B(a)A, B(a)P, B (b)F, D, I, Pb				B(a)A	
PB-44(0-4)	Pb		Pb			
PB-46(0-4)	B(a)A, B(b)F, I					
PB-47(0-4)	B(a)A, B(a)P, B (b)F, D, I, Pb		Pb		B(a)A	
PB-50(0-4)	B(a)A, B(a)P, B (b)F, B(k)F, D, I			N	B(a)A, B(a)P, B (b)F, D, I, N	B(a)A, B(b)F, N
PB-51(0-4)	B(a)A, B(a)P, B (b)F					
PB-56(0-2.5)	VC	VC		VC, X	c-DCE, VC	c-DCE, VC
PB-59(7.5-10)					c-DCE, TCE	c-DCE, TCE
PB-60(7.5-10)					c-DCE	c-DCE
PB-62(0-4)	B(a)A					
PB-65(0-4)					B	B
PB-69(0-4)	As					
PB-70(0-4)	B(a)A, B(b)F, As, Pb		Pb		Pb	Pb

Sample ID	Ingestion (residential)	Inhalation (residential)	Ingestion (construction worker)	Inhalation (construction worker)	Migration to Class I Groundwater	Migration to Class II Groundwater
PB-73(0-4)	As					

Notes:
Ag = silver
As = arsenic
B = benzene
B(a)A = benzo(a)anthracene
B(a)P = benzo(a)pyrene
B(b)F = benzo(b)fluoranthene
B(k)F = benzo(k)fluoranthene
C = chrysene
Ca = cadmium
Cr = chromium
c-DCE = cis-1,2-dichloroethene
D = dibenzo(a,h)anthracene
E = ethylbenzene
I = indeno(1,2,3-cd)pyrene
N = naphthalene
P = phenanthrene
Pb = lead
t-DCE = trans-1,2-dichloroethene
VC = vinyl chloride
X = xylenes

As the subject property redevelopment plan calls for the construction of an elementary school with athletic fields, Pioneer proposes the subject property be treated as having multiple remediation objectives (see Section 2.8 of this report). At the western portion of the subject property, a high-occupancy PCB objective of 10 mg/kg (parts per million [ppm]) with an engineered barrier will be utilized, while the remainder of the site will utilize a high occupancy objective of 1 ppm (Figure 3). A summary of the PCB soil sample analytical results in relation to the applicable objectives is provided in Table 1-2 below as well as the "Tables" section of the appendices. Please note that no samples collected from within the 1 ppm high occupancy area of the site exhibited a PCB concentration greater than 1 ppm.

Pursuant to discussions with US EPA representatives, the total PCB concentrations shown in Table 1 (in the "Tables" section of the Appendices) were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected with the detected concentrations of the remaining aroclors, if any.

Table 1-2 Summary of Soil Samples Exceeding 10 PPM PCB Objective

Sample ID	High Occupancy Objective[1] (10 ppm)
Proposed High Occupancy Area	
PB-6A(2.5-5)	13.82
PB-6B(0-2.5)	12.82
PB-6C(0-2.5)	83.13
PB-6D(0-2.5)	10.61
PB-6E(0-2.5)	20.00
PB-24(0-4)	12.26
PB-70(0-4)	20.92

Notes: (1) = see Section 2.7 for discussion

As shown in Table 1-2, seven soil samples exceeded the applicable, proposed remediation objective of 10 ppm at the western subject property (Figure 3). This PCB contamination was typically identified in shallow soils from surface grade to approximately five feet below surface grade (BSG). The cumulative results of testing, which included the analysis of 107 soil samples for PCBs, indicates that the extent of PCB impacts has been generally defined for purposes of separating the site into areas with PCBs greater than 10 ppm and areas of the site with PCBs less than or equal to 1 ppm. As described in Section 2.5 of this report, active remediation remediation of the impacts exceeding 10 ppm has been proposed.

Pioneer collected a groundwater sample from each of the five groundwater monitoring wells installed onsite for analysis of the IEPA's TCL analytes. The groundwater sample analytical results revealed that PCBs were not detected in any of the five wells at the laboratory's stated detection limits (0.0001 ppm). This included three wells installed at the western portion of the site associated with PCB contamination at concentrations greater than 10 ppm in soil.

Based on the known historical uses of the subject property and the locations of contamination, the PCB impacts identified at the subject property appear to be associated with former metal scrap yard activities. Remaining impacts from other contaminants identified at the site will be addressed through the IEPA's TACO regulations and SRP. However, the PCB impacts require USEPA involvement for purposes of remediation and to obtain site closure as required by 35 IAC Section 742.305(f) (i.e., the presence of PCBs in soil at a concentration greater than 50 ppm) and Federal regulations.

2.0 SITE NOTIFICATION DATA

2.1 Site Description

The subject property is a rectangular shaped parcel of land, encompassing approximately 8.81 acres at 3434 West 51st Street, and is located in an area zoned as a Residential District (zoned "RT-4") in Chicago, Illinois (Figure 1). The site is located in the northeast 1/4 of Section 11, Township 38 North, Range 13 East of the Third Principal Meridian (Appendix A). The site is currently vacant, with limited improvements consisting of either concrete (including raised truck loading docs and concrete slabs from former buildings) or asphalt pavement. The site has most recently been utilized as a motor freight facility through approximately 2005. The site was reportedly not utilized by the owner of the property immediately prior to UNO, 51st Street Residential, LLC.

The proposed redevelopment plan calls for the construction of an elementary school, including sports fields and paved parking (Figure 2). Based on the proposed site use, on behalf of the property owner, Pioneer is proposing high occupancy remediation objectives. Specifically, these objectives will be 10 ppm with an engineered barrier at the western portion of the site, and 1 ppm without an engineered barrier requirement at balance of the site. The proposed remediation objectives are identified in Table 2-1, and the location of the two separate high occupancy areas of the site are shown in Figure 3. Further discussion of the remediation objectives is provided in Section 2.8 of this report.

Table 2-1 Remediation Objectives

Occupancy(1)	PCB Objective (mg/kg)	Additional Controls	Regulatory Citations
High	10	Engineered Barrier, Deed Restriction	761.61(a)(4)(i)(A) 761.61(a)(7) 761.61(a)(8) 761.61(c)(2)
High	1	None	761.61(a)(4)(i)(A)

Notes: (1) = high occupancy areas identified on Figure 3
(2) = alternative barriers will be proposed for the subject property (see Section 2.10 of this report)

2.2 Nature of Contamination

Pursuant to 40 CFR Section 761.61(a)(3)(i)(A), contamination at the site includes bulk PCB remediation waste, consisting of the site's near-surface (urban fill) soils which have been impacted by PCB contamination from an unknown source(s), presumably related to the former metal scrapping operations conducted on the western portion of the site prior to the late 1960s.

Pioneer's assessments identified the presence of approximately 2 to 6 feet of fill consisting mainly of sand and gravel with debris beneath a surface finish of either concrete or asphalt. The fill material was followed by a brown/gray to gray silty clay or varied stiffness, which typically extended to the boring terminus (12 to 16 feet below surface grade [BSG]). The heaviest PCB impacts were observed within the interval of fill material encountered beneath the asphalt surface at the western portion of the site at a depth of approximately 0 to 5 feet BSG.

Field evidence of contamination was not associated with PCB contamination identified at the subject property. Saturated soils were not encountered during the advancement of soil borings; however, in the groundwater monitoring wells, water was observed at approximately 9.4 to 13.1 feet BSG. A complete listing of the geological conditions and field observations encountered are provided in the soil boring logs (Appendix B).

2.3 Sampling Procedures & Site Characterization

Pursuant to 40 CFR Section 761.61(a)(3)(i)(B), sampling was conducted using either direct-push Geoprobe sampling or hollow-stem auger split-spoon sampling technologies. Field procedures implemented during the subsurface investigation were performed in accordance with the industry standard ASTM D 6282 or D 1586, and were consistent with standard engineering practices. Sampling was conducted in multiple stages by Pioneer between August 2010 and November 2010, as summarized in Section 1.2 of this report.

The assessment data confirmed that the site's non-native fill material was generally underlain by a continuous, relatively impermeable unit of medium stiff to hard clay with trace sand and gravel, which extended to depths ranging from 12 to 16 feet BSG (boring terminus). The clays are identified as sediments of the Carmi Member of the Equality Formation overlying the Wedron Formation, described as quiet water lake sediments consisting of well-bedded silts locally laminated with thin beds of clay, respectively (Kempton, John P. et al., 1984, and Willman and Lineback, 1970). Copies of the associated ISGS maps are included in Appendix A.

The soil samples collected during this investigation were collected in accordance with SW-846 procedures, and analyzed in accordance with Method 8082. As mentioned, subsurface penetration was achieved using either direct-push Geoprobe or hollow-stem auger split-spoon technologies. One sample from each soil sampling interval was immediately packed into a 4 oz. sampling jar, labeled, and placed in a cooler on ice. The samples selected for possible analysis were subsequently submitted to an independent laboratory under standard chain-of-custody procedures, and analyzed for either PCBs or PCBs with a combination of additional TCL analytes as needed to assess the other RECs associated with the site. A generalized protocol for subsurface investigation activities is included in Appendix D.

Shallow groundwater was not encountered during the soil boring activities; however, it was present at approximately 9.4 to 13.1 feet BSG in the five groundwater monitoring wells installed at the site. Based on

the site observations, Pioneer believes that shallow groundwater observed in the monitoring wells is not in contact with PCB impacted soils. The shallow groundwater observed onsite is unlikely to be representative of a true water table, have any significant flow dynamics, or be capable of a sustainable yield.

The groundwater monitoring wells were installed using 2-inch internal diameter, schedule 40, flush-joint PVC screen and riser (10-foot screen with a 5-foot riser). The annular space surrounding each screen was backfilled with silica sand to a height not less than 1 foot above the top of the well screen, and bentonite chips were placed above the sand to provide a low permeability seal. The remaining annulus was sealed with a cement/bentonite grout to the ground surface. All wells were completed with flush-mounted protective casings and locking well caps at the surface. Monitoring well logs are included in Appendix D, along with a detailed protocol for Pioneer's groundwater investigation activities.

Prior to sampling, each permanent well was developed using a new disposable Teflon bailer. Approximately four to six well volumes of water were purged from each well, until the well water was visually clear of suspended sediments or until further yield could not be achieved. Water levels were allowed to recharge prior to the collection of groundwater samples to ensure the collection of accurate and representative data. Groundwater samples were carefully decanted into laboratory-provided glassware. The samples were subsequently packed in a cooler on ice and shipped to an independent laboratory under standard chain of custody procedures. All analytical tests were performed by an independent laboratory in accordance with accepted IEPA and United States EPA (USEPA) test methods.

Tables summarizing the PCB concentrations measured in pre-cleanup characterization samples are provided in the appendices, along with cleanup site maps showing the site topography, sampling locations, and PCB concentrations to satisfy the requirements of 761.61(a)(3)(i)(B) and 761.61(a)(3)(i)(C).

Pioneer believes an appropriate level of characterization testing has been completed in an effort to meet State and Federal requirements, in general conformance with 40 CFR Part 761 Subpart N. Pioneer believes that testing throughout the site has identified multiple PCB hot spots which require active remediation in order to meet the proposed high occupancy objectives, while the remaining identified impacts can either remain in-place in accordance with State and Federal regulations or be voluntarily remediated by transporting the material to an appropriate landfill facility for proper disposal.

2.4 Site Cleanup Plan & Schedule

Pursuant to Section 761.61(a)(3)(i)(D), remediation is scheduled to begin in winter/spring 2011, pending USEPA approval of this PCB Application. Given the practical considerations, the approach to remediation will include in-place management along with direct disposal for soils with PCB concentrations exceeding 10 ppm within the 10 ppm high occupancy portion of the site. Although remediation of these impacts does not appear to be specifically required, pursuant to 40 CFR Section 761.50(b)(3)(i)(B), remediation will be conducted in accordance with 40 CFR Section 761.61 given the property owner's desire to obtain closure for

these impacts. Based on the information collected to date, the PCB-impacted soils will be segregated into two separate waste streams, as shown in the following Table 2-2.

Table 2-2 Anticipated Waste Streams

Waste Classification	Waste Characterization	Destination[1]	Estimated Quantity	Regulatory Citations
PCB-contaminated TSCA Waste	PCB remediation wastes with PCBs ≥ 50 ppm	RCRA Sec. 3004 or 3006 permitted hazardous waste landfill or a TSCA PCB disposal facility	324 tons	761.61(a)(5)(i)(B)(2)(iii) and 761.61(a)(5)(v)(A)(3)
PCB-contaminated Special Waste	PCB remediation wastes with PCBs < 50 ppm and > 1 ppm	Municipal Non-Hazardous Solid Waste Landfill	4,369 tons	761.61(a)(5)(i)(B)(2)(ii) and 761.61(a)(5)(v)(A)(2)

note: (1) actual landfills will be selected by UNO's General Contractor

Pursuant to Section 761.61(a)(5)(i)(B)(2)(iv), the generator will provide written notice, including the quantity to be shipped and highest concentration of PCBs, at least 15 days before the first shipment of bulk PCB remediation waste from the cleanup site to the off-site facility where the waste is destined. As a further note, should free liquids be encountered during the remediation process, these liquid wastes will be collected and analyzed in accordance with 40 CFR Section 761.269 to determine the appropriate waste characterization.

2.5 Soil Excavation

2.5.1 Soil Remediation

Soils identified in Figure 4 will be excavated and transported to a licensed disposal facility for the direct disposal of PCB impacted material exceeding the 10 ppm remediation objective. The approximate areas to be removed as TSCA Waste and Special Waste are shown in Figure 4; however, as discussed in Section 2.7, the final dimensions of these areas will be determined by excavation confirmation sample results.

2.6 Soil Handling

2.6.1 PCB Impacts ≥ 50 ppm (TSCA Waste)

The approach to remediation will be to excavate PCB impacts at levels above 50 ppm to the delineated depth and lateral extent of impact as TSCA Waste. Once those limits have been reached, excavation sampling will be performed as discussed in Section 2.7.1 to verify that soils with PCBs greater than or equal to 50 ppm have been removed from the site. Although the 10 ppm high occupancy areas have a remediation objective of 10 ppm, any soils removed with a concentration greater than or equal to 50 ppm will be handled as TSCA Waste. These soils will be transported off-site for disposal at an

appropriate facility (Table 2-2) in containers meeting the requirements of the DOT Hazardous Materials Regulations (HMR) at 49 CFR Parts 171 through 180. It is anticipated that approximately 324 tons of soils impacted with PCBs above 50 ppm will be transported off-site for appropriate final disposal.

2.6.2 PCB Impacts > 10 ppm & < 50 ppm (Special Waste)

The approach to remediation will be to excavate PCB impacts at levels above 10 ppm and less than 50 ppm to the delineated depth and lateral extent of impact as Special Waste. Once those limits have been reached, excavation sampling will be performed as discussed in Section 2.7.1 to verify that soils with PCBs greater than 10 ppm have been removed from the site. These soils will be transported off-site for disposal at an appropriate facility (Table 2-2) in licensed special waste haulers. It is anticipated that a total of approximately 2,335 tons of Special Waste will be transported for appropriate off-site disposal under this waste profile.

2.6.3 PCB Impacts > 1 ppm & ≤ 10 ppm (Special Waste)

With the exceptions of soils associated with the hot spots described above, material from balance of the site will be handled as a Special Waste. Soils removed under this waste profile will be transported in licensed special waste haulers. It is anticipated that a total of approximately 2,034 tons of Special Waste will be transported for appropriate off-site disposal under this waste profile.

Construction of the proposed elementary school and associated site improvements may result in the generation of additional construction spoils from shallow intervals associated with minor PCB impacts. As construction will not commence prior to confirmation of the successful removal of all TSCA Waste from the site, all excess construction soils will be properly disposed of as Special Waste.

2.7 Cleanup Verification Sampling

2.7.1 Soil Sampling

Upon reaching the expected limits of the various hot spots requiring remediation (Figure 4), cleanup verification sampling of the excavations will be performed, in accordance with 40 CFR Part 761 Subpart O, using compositing methodology in accordance with 40 CFR Section 761.283(b)(3) and 761.289(b)(1)(i). Once verification sampling confirms that all PCB levels are below the appropriate TSCA disposal level (50 ppm) or high occupancy remediation objective (10 ppm), the remediation will be deemed complete for that excavation area.

2.8 Remediation Objectives

Pioneer intends to utilize the remediation objectives outlined in the regulations governing self-implementing cleanup, pursuant to Section 761.61(a)(4). Specifically, based on the proposed redevelopment of the property for use as an elementary school, high occupancy remediation objectives have been proposed for the subject property (Figure 3, Table 2-1).

The proposed redevelopment plan will result in the construction of an elementary school with recreation fields. Pioneer's site assessment activity confirmed that the majority of the 8.81-acre site has not been impacted by PCBs at a concentration exceeding 1 ppm; therefore, as shown on Figure 3, the proposed remediation objective for this portion of the site is 1 ppm without any engineering or institutional control requirements. The remainder of the site, limited to the western portion of the site, will also be designated as a high occupancy area, as site occupants will be present greater than 6.7 hours per week. The remediation objective will be 10 ppm at this portion of the site, pursuant to Section 761.61(a)(4)(i)(A). This high occupancy remediation objective requires the installation of an engineered barrier, pursuant to Section 761.61(a)(7) and a deed restriction, pursuant to Section 761.61(a)(8).

2.9 Cap & Deed Restrictions

Due to the proposed remediation objectives for the subject property, an engineered barrier and a deed restriction will be required to document the location, type, and maintenance requirement of the barriers.

Pursuant to 40 CFR 761.61(c), Pioneer is proposing the use of alternative barriers for the subject property. A standard hardscape barrier consists of six inches of either asphalt or concrete (40 CFR 761.61[a][7]), and a standard greenspace barrier consisting of 10 inches of compacted soil. Pioneer proposes hardscape barriers consisting of either concrete slab/sidewalks and asphalt constructed utilizing standard construction techniques and greenspace barriers consisting of three feet of clean soil to meet IEPA barrier requirements for other contaminants detected at the site, as outlined in Table 2-5 below and Figure 7.

As mentioned, the subject property has also be enrolled in the IEPA's SRP. Due to the presence of various VOCs, PNAs, and metals at concentrations exceeding the applicable IEPA Tier 1 SROs, Pioneer will propose the use of engineered barriers for a majority of the site. For consistency, Pioneer is proposing the use of engineered barriers that satisfy the IEPA's engineered barrier requirements as shown in Table 2-5.

Table 2-5 Proposed Engineered Barriers

Barrier Type	Physical Characteristics	IEPA Regulatory Citation
Concrete Slab(1)	4 inches of concrete 6 inches gravel base	35 IAC 742.1105(c)(2)(A)
Concrete Sidewalks(1)	4 inches of concrete 6 inches gravel base	35 IAC 742.1105(c)(2)(A)
Asphalt(1)	3 inches of asphalt 9 inches gravel base	35 IAC 742.1105(c)(2)(A)
Greenspace	3 feet of clean soil	35 IAC 742.1105(c)(2)(C)

Notes: (1) = subject to final site redevelopment design specification

Pioneer believes that the installation of the engineered barriers as described in Table 2-5 over the portions of the subject property with a High Occupancy remediation objective of 10 ppm would meet the US EPA's and IEPA's engineered barrier requirements by minimizing human exposure, infiltration of water, and erosion.

Pursuant to Section 761.61(a)(8)(i), a deed restriction will be recorded on the property within 60 days of the completion of cleanup and issuance of an NFR letter from the IEPA. The deed restriction will identify all areas where caps have been utilized in establishing remediation objectives for the site (for both PCBs, and non-PCB contaminants).

All engineered barrier requirements and deed restrictions will be recorded in the form of an NFR letter issued by IEPA under the SRP, and recorded with the Cook County Recorder of Deeds. The NFR letter will be recorded within 45 days of issuance, and will include a description of all applicable indicator contaminants and engineering controls utilized on site. "As recorded" copies of the NFR letter will be returned to the IEPA SRP Project Manager and the U.S. EPA's Regional Administrator as confirmation that the restrictions have been recorded, and that the site meets the requirements of 761.61(a)(8).

As noted, the owner of the subject property will be pursuing a comprehensive NFR letter from the State's SRP. Based on the information obtained to date, Pioneer believes the NFR letter will rely on the following conditions:

1. the installation and maintenance of engineered barriers throughout a majority of the subject property to eliminate the soil ingestion exposure route, in accordance with 35 IAC Section 742.315;

2. the development of a Site Health and Safety Plan to limit the potential for future construction worker exposure, in accordance with 35 IAC Section 742.310; and,

3. the reliance on the City of Chicago's groundwater use ordinance to eliminate the groundwater ingestion exposure route, in accordance with 35 IAC 742.320.

3.0 SUMMARY AND CONCLUSIONS

Pioneer was contracted by United Neighborhood Organization (UNO), the client and property owner, to provide environmental consulting services in connection with the subject property located at 3434 West 51st Street in Chicago, Illinois (Appendix A, Figure 1). This work was conducted in order to facilitate the proposed redevelopment of the site as a charter elementary school. The consulting services were provided in connection with the pursuit of a comprehensive NFR Letter for the site from the IEPA, pursuant to Title 35 IAC Part 740 (SRP), Subpart F and Section 58.10 of the Illinois Environmental Protection Act. In connection with these activities, PCB impacts were identified, and Pioneer subsequently conducted site characterization activities to demonstrate that the requirements of 40 CFR Part 761.61 had been met.

Based on results of various phases of site investigation, which included the analysis of 107 soil samples for PCBs, Pioneer generally delineated the extent of impacts from PCBs. A shallow groundwater investigation consisting of the installation and sampling of five groundwater monitoring wells, revealed that PCBs were not detected in groundwater at the subject property. Based on the testing results, and given the anticipated future use, Pioneer developed an approach to closure which would meet the requirements of the 761.61 regulations through remediation of elevated PCB contaminated material and in-place management of residual contamination, pursuant to the regulations of 35 IAC Part 742 (TACO). The contents of this submittal are intended to provide the information required, pursuant to 40 CFR 761.61(a)(3), to obtain formal approval from the U.S. EPA's Region 5 Office of Pollution Prevention & Toxics, PCB Office to conduct self-implementing cleanup of PCB-impacted soils, in accordance with 40 CFR Part 761.61.

The remediation objective for high occupancy use with an engineered barrier (10 ppm) will apply to the western portion of the subject property, and a high occupancy use remediation objective without an engineered barrier requirement (1 ppm) will apply to the remainder of the site. Based on data collected to date, multiple locations have been identified with PCB concentrations in soil that exceed the 10 ppm high occupancy objective; however, these areas have been generally defined and will be actively remediated.

Specifically, in an effort to obtain closure for impacts exceeding the applicable objectives, Pioneer proposes the appropriate removal, transport, and disposal of soil impacted with PCBs at a concentration exceeding 10 ppm at an appropriate disposal facility. Soils with PCB concentrations greater than or equal to 50 ppm will be removed and transported to a fully-licensed RCRA or TSCA landfill for disposal in accordance with 761.61 (a)(5)(i)(B)(2)(iii) and 761.61(a)(5)(v)(A)(3). PCB remediation wastes with PCBs greater than 10 ppm and less than 50 ppm will be transported for disposal in accordance with 761.61(a)(5)(i)(B)(2)(ii) and 761.61(a)(5)(v)(A)(2). Remediation will continue at the subject property until the applicable remediation objectives are met at all locations.

Upon U.S. EPA review of the verification sampling data, installation of all barriers, and IEPA's issuance of an NFR letter, a deed restriction will be recorded for the property to ensure that appropriate preventative measures (the maintenance of engineered barriers) are maintained for the site in perpetuity.

4.0 CLOSING REMARKS

This report has been prepared for the sole use of the client identified in the report and for evaluation by the U.S. EPA and Illinois EPA, and can not be relied upon by other persons or entities without the joint permission of the client and Pioneer Environmental Services, LLC (Pioneer). The observations and conclusions contained herein are limited by the scope and intent of the work mutually agreed upon by the client and Pioneer and the work actually performed. There are no warranties, implied or expressed, concerning the environmental integrity of areas and/or mediums not analytically tested.

5.0 REFERENCES

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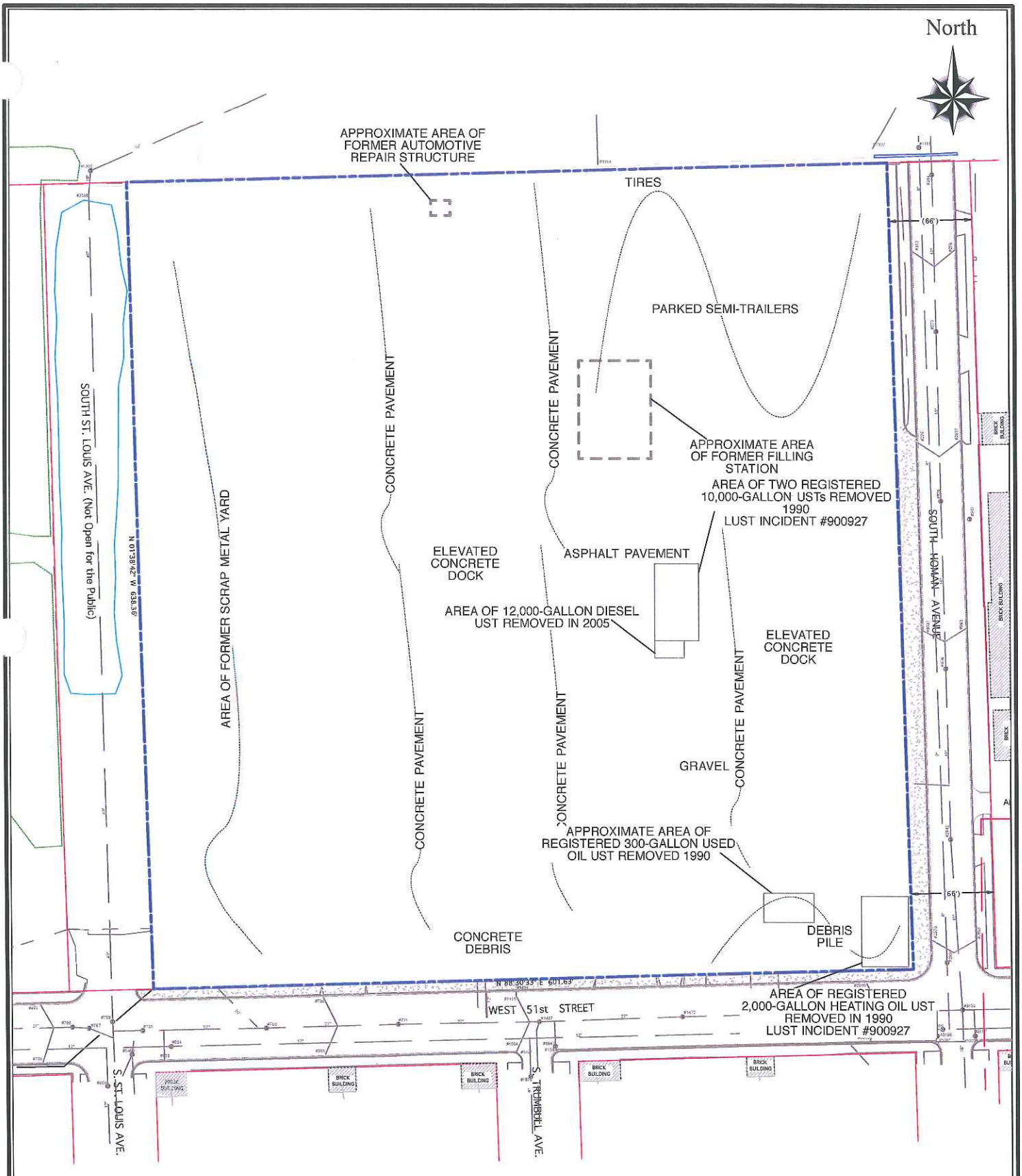
Figures

Figure 1 Site Diagram



PIONEER ENVIRONMENTAL SERVICES, LLC

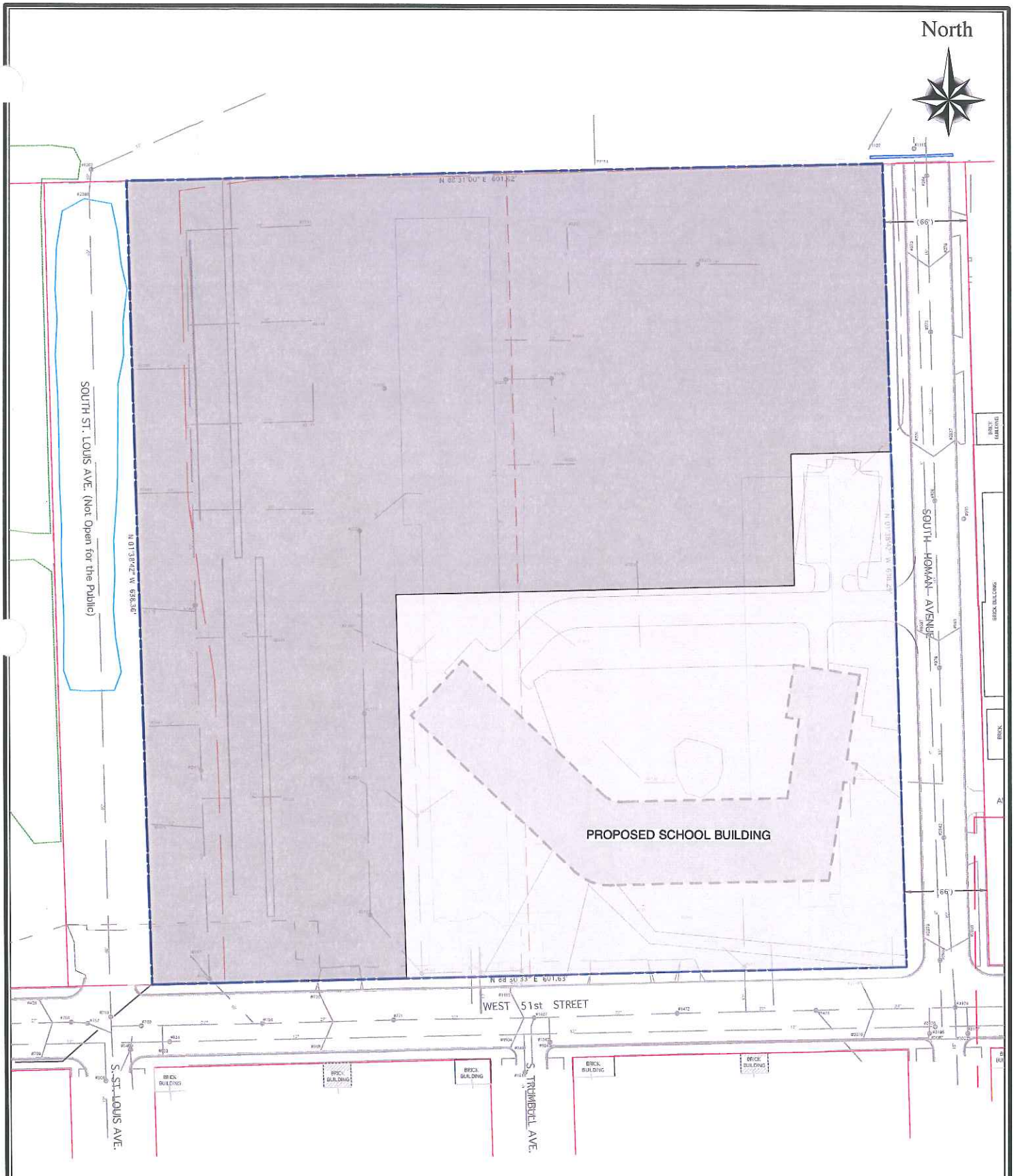
Legend:

Approximate Property Boundary

Scale: 1"=100' (0' — 100')	Date: November 2010
Drawn by: Jackson Toomey	Checked by: Dakota Prentice
Job No.: 10-0461-103	

FIGURE 1
Site Diagram
3434 West 51st Street
Chicago, IL

Figure 2 Proposed School Development



PIONEER ENVIRONMENTAL SERVICES, LLC

Legend:
- Phase 1
- Phase 2
- Approximate Property Boundary

Scale: 1"=100' (0' — 100')	Date: November 2010
Drawn by: Jackson Toomey	Checked by: Dakota Prentice
Job No.: 10-0461-103	

FIGURE 2
Proposed School Development
3434 West 51st Street
Chicago, IL

Figure 3 Cleanup Objectives

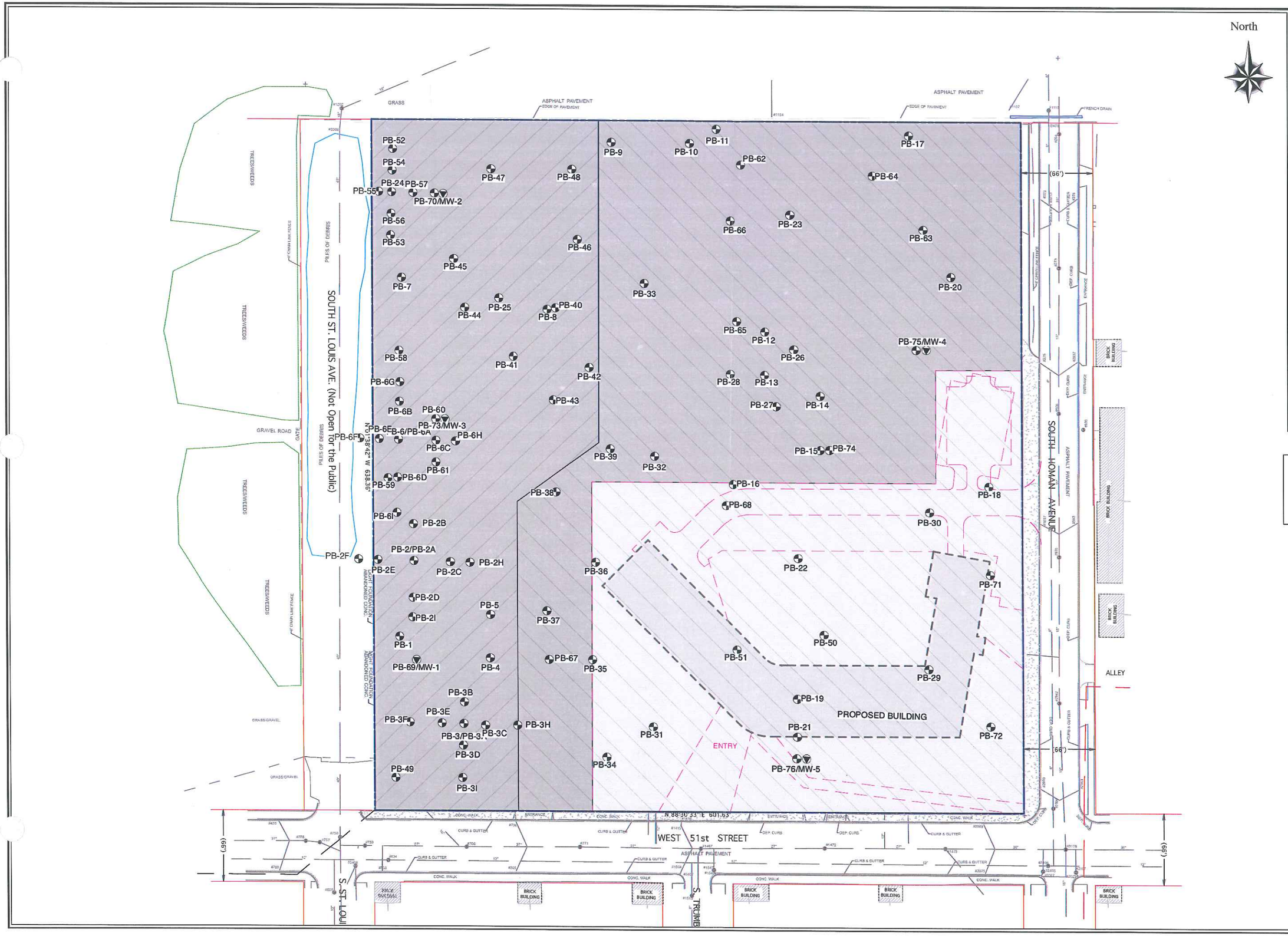


FIGURE 3
Cleanup Objectives
3434 West 51st Street
Chicago, IL

Scale: 1"=80' (0' – 80')

Drawn by: Jackson Toomey

Job No: 10-0461-103

Date: November 2010

Checked by: Dakota Prentice

Legend:
- Soil Boring Location
- Monitoring Well Location
- Cleanup Objective 10ppm
- Cleanup Objective 1ppm
- Approximate Property Boundary

PIONEER ENVIRONMENTAL SERVICES, LLC

- Phase 1
- Phase 2

Figure 4 Remediation Locations

Figure 4
Remediation Locations
3434 West 51st Street
Chicago, IL

North

Scale: 1"=80' (0' — 80')

Drawn by: Jackson Toomey

Job No: 10-0461-103

Date: November 2010

Checked by: Dakota Prentice

Legend:

- Soil Boring Location
- Monitoring Well Location
- TSCA PCB Soil (PCBs > 50)
- Special Waste PCB Soil (PCBs < 50)
- PCBs <1 ppm
- PCBs >1 ppm <10 ppm
- PCBs >10 ppm <50 ppm
- PCBs >50 ppm
- Approximate Property Boundary

PIONEER ENVIRONMENTAL SERVICES, LLC

- Phase 1
- Phase 2

PB-24 (0-2.5) PCBs 12.26 | PB-24 (4-8) PCBs <0.108
PB-52 (0-2.5) PCBs 0.54
PB-54 (0-2.5) PCBs <0.468
PB-57 (0-2.5) PCBs <0.49
PB-55 (0-2.5) PCBs 3.79 | PB-55 (2.5-5) PCBs 0.066
PB-56 (0-2.5) PCBs 4.79 | PB-56 (2.5-5) PCBs 0.051 | PB-56 (5-7.5) PCBs <0.052
PB-53 (0-2.5) PCBs 0.608
PB-7 (6-8) PCBs <0.49
PB-45 (0-4) PCBs <0.086 | PB-45 (4-8) PCBs <0.051
PB-70/MW-2
PB-70 (0-2.5) PCBs 7.44 | PB-70 (0-4) PCBs 20.92 | PB-70 (5-7.5) PCBs <0.042
PB-47 (0-4) PCBs 0.225 | PB-47 (4-8) PCBs <0.051
PB-25 (0-4) PCBs 5.96 | PB-25 (4-8) PCBs <0.109
PB-44 (0-4) PCBs 3.4 | PB-44 (4-8) PCBs <0.051
PB-48 (0-4) PCBs 0.247 | PB-48 (4-8) PCBs <0.051
PB-46 (0-4) PCBs 0.14 | PB-46 (4-8) PCBs <0.051
PB-40 (0-4) PCBs 1.08 | PB-40 (4-8) PCBs <0.053
PB-41 (0-4) PCBs 0.072 | PB-41 (4-8) PCBs <0.052
PB-42 (0-4) PCBs 0.058 | PB-42 (4-8) PCBs <0.048
PB-39 (0-4) PCBs <0.051 | PB-39 (4-8) PCBs <0.052
PB-43 (0-4) PCBs 1.87 | PB-43 (4-8) PCBs <0.051
PB-9
PB-10
PB-11
PB-62 (0-4) PCBs <0.044
PB-64 (0-4) PCBs 0.123 | PB-64 (4-8) PCBs <0.049
PB-17
PB-63 (0-4) PCBs <0.046
PB-23 (0-4) PCBs <0.34
PB-66 (0-4) PCBs <0.0435 | PB-66 (4-8) PCBs <0.051
PB-65 (0-4) PCBs <0.044
PB-20
PB-33
PB-12
PB-26
PB-75/MW-4
PB-75 (0-4) PCBs <0.053 | PB-75 (4-8) PCBs <0.052
PB-28
PB-13
PB-27
PB-14
PB-15
PB-74 (0-4) PCBs <0.051
PB-32
PB-16
PB-18
PB-68 (0-4) PCBs <0.049 | PB-68 (4-8) PCBs <0.05
PB-30
PB-22 (0-4) PCBs <0.11
PB-71 (0-4) PCBs <0.049
PB-36 (0-4) PCBs <0.048 | PB-36 (4-8) PCBs <0.05
PB-51 (0-4) PCBs <0.051
PB-50 (0-4) PCBs <0.047
PB-35 (0-4) PCBs <0.064 | PB-35 (4-8) PCBs <0.054
PB-29
PB-19
PB-72 (0-4) PCBs <0.052
PB-34 (0-4) PCBs <0.052 | PB-34 (4-8) PCBs <0.05
PB-31
PB-21 (0-4) PCBs <0.1
PB-76 (0-4) PCBs <0.051 | PB-76 (4-8) PCBs <0.051
PB-76/MW-
PB-37 (0-4) PCBs <0.051 | PB-37 (4-8) PCBs <0.053
PB-38 (0-4) PCBs <0.057 | PB-38 (4-8) PCBs <0.052
PB-73 (0-4) PCBs <0.052
PB-73/MW-3
PB-6C (0-2.5) PCBs 83.13 | PB-6C (2.5-5) PCBs 0.42
PB-6H (0-2.5) PCBs 2.42
PB-61 (0-2.5) PCBs 6.06 | PB-61 (2.5-5) PCBs <0.05
PB-6A (2.5-5) PCBs 13.82 | PB-6A (5-7.5) PCBs <0.3
PB-6E (0-2.5) PCBs 20 | PB-6E (2.5-5) PCBs 1.02
PB-6B (0-2.5) PCBs 12.82 | PB-6B (2.5-5) PCBs 4.06
PB-60 (0-2.5) PCBs 0.633 | PB-60 (7.5-10) PCBs 0.052
PB-6F (0-2.5) PCBs 4.28
PB-6 (0-3) PCBs 7.05
PB-6D (0-2.5) PCBs 10.61 | PB-6D (2.5-5) PCBs 2.67
PB-6I (0-2.5) PCBs 7.34
PB-2F (0-2.5) PCBs 1.37
PB-2 (0-2.5) PCBs 2.77 | PB-2 (2.5-5) PCBs <0.055
PB-2C (0-2.5) PCBs 2.07
PB-2D (0-2.5) PCBs 6.57 | PB-2D (2.5-5) PCBs 0.08
PB-2I (0-2.5) PCBs 7.95
PB-5 (4-8) PCBs <0.24
PB-69 (0-2.5) PCBs 0.04 | PB-69 (2.5-5) PCBs 0.606 | PB-69 (0-4) PCBs 0.699
PB-69/MW-1
PB-3 (0-3) PCBs 0.418
PB-3F (0-2.5) PCBs <0.563
PB-3H (0-2.5) PCBs <0.101
PB-3I (0-2.5) PCBs <0.116
PB-49 (0-4) PCBs 0.175 | PB-49 (4-8) PCBs <0.05
PB-1
PB-2/PB-2A
PB-2B
PB-2C
PB-2D
PB-2I
PB-2F
PB-3B
PB-3D
PB-3E
PB-3F
PB-3H
PB-3/PB-3A
PB-4
PB-5
PB-6
PB-6B
PB-6C
PB-6D
PB-6E
PB-6F
PB-6I
PB-6/PB-6A
PB-7
PB-8
PB-22
PB-23
PB-25
PB-36
PB-37
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PB-61
PB-62
PB-63
PB-64
PB-65
PB-66
PB-68
PB-69
PB-70
PB-71
PB-72
PB-73
PB-74
PB-75
PB-76
B-66
B-49

TREES/WEEDS
GRASS
ASPHALT PAVEMENT
EDGE OF PAVEMENT
SOUTH ST. LOUIS AVE.
SOUTH HOWAN AVENUE
Open for the Pub
GRAVEL ROAD
GRASS/GRAVEL
PILES OF DEBRIS
PUBLIC PLAZA
PROPOSED BUILDING
BRICK BUILDING
ALLEY
(66')
N 88°30'33" E 601.63'
WEST 51st STREET
S. ST. LOUIS AVE.
S. TRUMBULL AVE.
CONC. WALK
CURB & GUTTER
ENTRANCE
DEF. CURB
SIGN
TRENCH DRAIN
DISP. GAS
DISP. CABLE
DISP. CURB
DISP. ENTRANCE
DISP. SIGN
DISP. TRENCH DRAIN

Figure 5 Engineered Barrier Locations

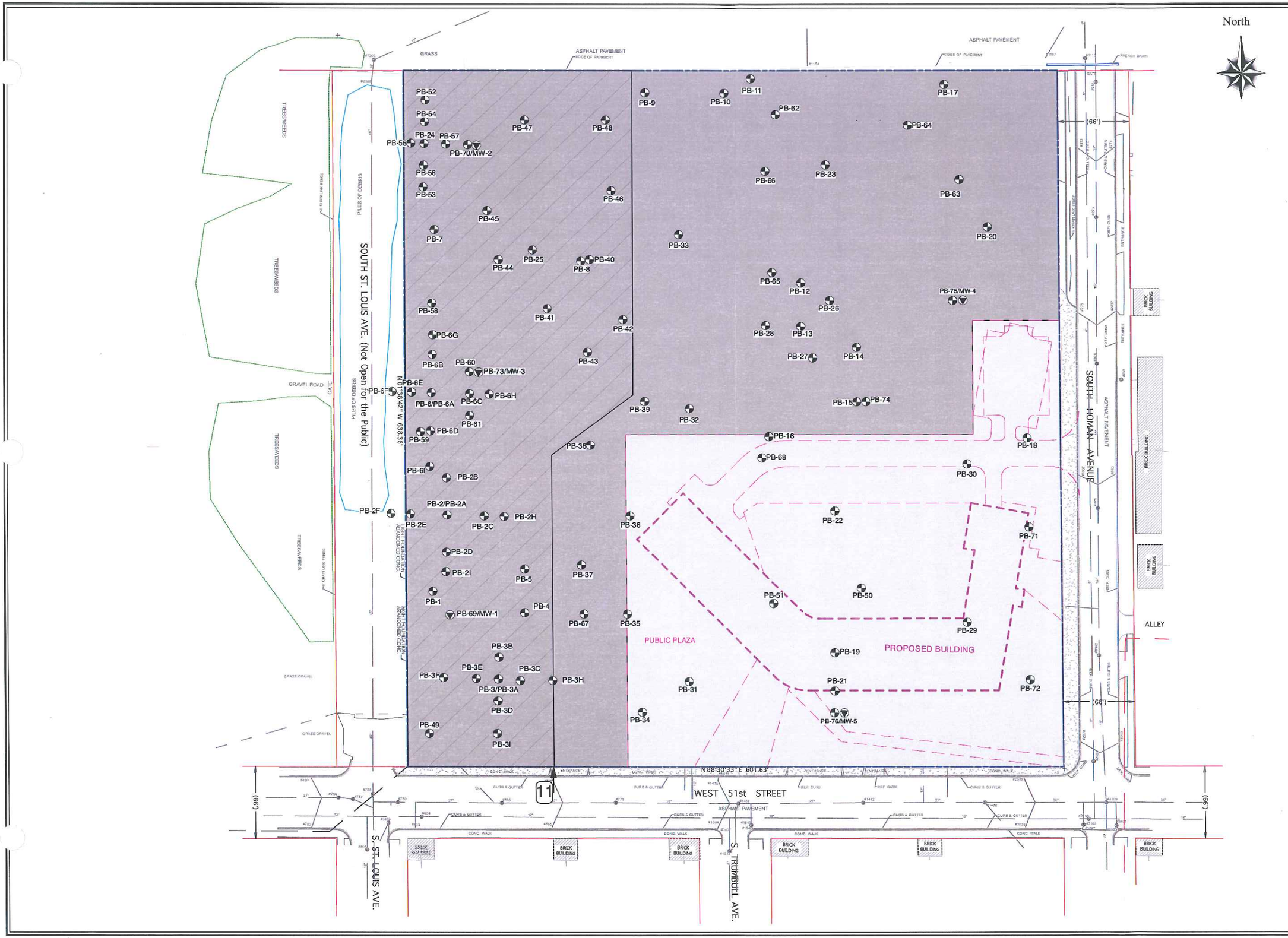


Figure 5
Engineered Barrier Locations
3434 West 51st Street
Chicago, IL

Scale: 1"=80' (0' – 80')

Drawn by: Jackson Toomey

Job No: 10-0461-103

Date: November 2010

Checked by: Dakota Prentice

Legend:
- Soil Boring Location
- Monitoring Well Location
- Area Requiring PCB Engineered Barrier
- Approximate Property Boundary

PIONEER ENVIRONMENTAL SERVICES, LLC

- Phase 1
- Phase 2

Tables

Table 1 Pioneer Soil Sample Analytical Results: PCBs

TABLE NO. 1 (1 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-2A (0-2.5)	PB-2A (2.5-5)	PB-2C (0-2.5)	PB-2D (0-2.5)	PB-2D (2.5-5)	PB-2F (0-2.5)	PB-2I (0-2.5)	PB-3 (0-3)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Collection Date	10/18/10	10/18/10	9/28/10	10/18/10	10/18/10	9/28/10	9/28/10	8/25/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Aroclor 1016	<0.189	<0.0218	<0.380	<0.190	<0.0223	<0.203	<0.968	< 0.089	--	--	--	--	--	--
Aroclor 1221	<0.189	<0.0218	<0.380	<0.190	<0.0223	<0.203	<0.968	< 0.089	--	--	--	--	--	--
Aroclor 1232	<0.189	<0.0218	<0.380	<0.190	<0.0223	<0.203	<0.968	< 0.089	--	--	--	--	--	--
Aroclor 1242	<0.189	<0.0218	<0.380	<0.190	<0.0223	0.847	<0.968	< 0.089	--	--	--	--	--	--
Aroclor 1248	<0.189	<0.0218	<0.380	<0.190	<0.0223	<0.203	<0.968	< 0.089	--	--	--	--	--	--
Aroclor 1254	2.03	<0.0218	1.31	4.35	<0.0223	<0.203	4.23	< 0.089	--	--	--	--	--	--
Aroclor 1260	0.459	<0.0218	<0.380	1.93	0.0349	0.218	2.27	0.24	--	--	--	--	--	--
Total PCBs[2]	**2.77**	< 0.055	**2.07**	**6.57**	0.08	**1.37**	**7.95**	0.418	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (2 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-3F (0-2.5)	PB-3H (0-2.5)	PB-3I (0-2.5)	PB-5 (4-8)	PB-6 (0-3)	PB-6A (2.5-5)	PB-6A (5-7.5)	PB-6B (0-2.5)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Collection Date	9/28/10	9/28/10	9/28/10	8/25/10	8/25/10	9/24/10	9/24/10	9/24/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Aroclor 1016	< 0.225	< 0.0402	< 0.0465	< 0.096	< 0.1	< 0.12	< 0.12	< 0.12	--	--	--	--	--	--
Aroclor 1221	< 0.225	< 0.0402	< 0.0465	< 0.096	< 0.1	< 0.12	< 0.12	< 0.12	--	--	--	--	--	--
Aroclor 1232	< 0.225	< 0.0402	< 0.0465	< 0.096	< 0.1	< 0.12	< 0.12	< 0.12	--	--	--	--	--	--
Aroclor 1242	< 0.225	< 0.0402	< 0.0465	< 0.096	< 0.1	< 0.12	< 0.12	< 0.12	--	--	--	--	--	--
Aroclor 1248	< 0.225	< 0.0402	< 0.0465	< 0.096	< 0.1	3	< 0.12	2.3	--	--	--	--	--	--
Aroclor 1254	< 0.225	< 0.0402	< 0.0465	< 0.096	3.6	8.2	< 0.12	7.1	--	--	--	--	--	--
Aroclor 1260	< 0.225	< 0.0402	< 0.0465	< 0.096	3.3	2.5	< 0.12	3.3	--	--	--	--	--	--
Total PCBs[2]	< 0.563	< 0.101	< 0.116	< 0.24	**7.05**	**13.82**	< 0.3	**12.82**	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (3 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-6B (2.5-5)	PB-6C (0-2.5)	PB-6C (2.5-5)	PB-6D (0-2.5)	PB-6D (2.5-5)	PB-6E (0-2.5)	PB-6E (2.5-5)	PB-6F (0-2.5)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Collection Date	9/24/10	9/24/10	9/24/10	9/24/10	9/24/10	9/24/10	9/24/10	9/28/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Aroclor 1016	< 0.12	< 0.13	< 0.12	< 0.11	< 0.12	< 2.3	< 0.13	< 0.12	--	--	--	--	--	--
Aroclor 1221	< 0.12	< 0.13	< 0.12	< 0.11	< 0.12	< 2.3	< 0.13	< 0.12	--	--	--	--	--	--
Aroclor 1232	< 0.12	< 0.13	< 0.12	< 0.11	< 0.12	< 2.3	< 0.13	< 0.12	--	--	--	--	--	--
Aroclor 1242	< 0.12	< 0.13	< 0.12	< 0.11	< 0.12	< 2.3	< 0.13	< 0.12	--	--	--	--	--	--
Aroclor 1248	0.74	19	< 0.12	1.7	0.45	4.3	< 0.13	< 0.12	--	--	--	--	--	--
Aroclor 1254	1.9	47	0.18	6.3	1.1	8.6	0.51	2.4	--	--	--	--	--	--
Aroclor 1260	1.3	17	< 0.12	2.5	1.0	4.8	0.31	1.7	--	--	--	--	--	--
Total PCBs[2]	**4.06**	**83.13**	0.42	**10.61**	**2.67**	**20**	**1.02**	**4.28**	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (4 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-6H (0-2.5)	PB-6G (0-2.5)	PB-6I (0-2.5)	PB-7 (6-8)	PB-21 (0-4)	PB-22 (0-4)	PB-23 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Collection Date	9/28/10	9/28/10	9/28/10	9/2/10	9/27/10	9/27/10	9/27/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Aroclor 1016	< 0.12	< 0.12	<0.840	< 0.093	< 0.04	< 0.0421	< 0.136	--	--	--	--	--	--
Aroclor 1221	< 0.12	< 0.12	<0.840	< 0.093	< 0.04	< 0.0421	< 0.136	--	--	--	--	--	--
Aroclor 1232	< 0.12	< 0.12	<0.840	< 0.093	< 0.04	< 0.0421	< 0.136	--	--	--	--	--	--
Aroclor 1242	< 0.12	< 0.12	<0.840	< 0.093	< 0.04	< 0.0421	< 0.136	--	--	--	--	--	--
Aroclor 1248	0.56	< 0.12	<0.840	< 0.093	< 0.04	< 0.0421	< 0.136	--	--	--	--	--	--
Aroclor 1254	1.1	1.0	5.66	< 0.093	< 0.04	< 0.0421	< 0.136	--	--	--	--	--	--
Aroclor 1260	0.64	0.59	<0.840	< 0.093	< 0.04	< 0.0421	< 0.136	--	--	--	--	--	--
Total PCBs[2]	**2.42**	**1.77**	**7.34**	< 0.23	< 0.1	< 0.11	< 0.34	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (5 of 14) Soil Sample Analytical Results: PCBs 3434 West 51st Street / Chicago, Illinois								Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	PB-24 (0-4)	PB-24 (4-8)	PB-25 (0-4)	PB-25 (4-8)	PB-34 (0-4)	PB-34 (4-8)	PB-35 (0-4)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	9/27/10	9/27/10	9/27/10	9/27/10	10/12/10	10/12/10	10/12/10						
Aroclor 1016	0.5	< 0.043	0.4	< 0.0434	<0.0209	<0.0199	<0.0212	--	--	--	--	--	--
Aroclor 1221	< 0.12	< 0.043	< 0.12	< 0.0434	<0.0209	<0.0199	<0.0212	--	--	--	--	--	--
Aroclor 1232	< 0.12	< 0.043	< 0.12	< 0.0434	<0.0209	<0.0199	<0.0212	--	--	--	--	--	--
Aroclor 1242	< 0.12	< 0.043	< 0.12	< 0.0434	<0.0209	<0.0199	<0.0212	--	--	--	--	--	--
Aroclor 1248	1.2	< 0.043	1.6	< 0.0434	<0.0209	<0.0199	<0.0212	--	--	--	--	--	--
Aroclor 1254	5.1	< 0.043	2.9	< 0.0434	<0.0209	<0.0199	<0.0212	--	--	--	--	--	--
Aroclor 1260	5.4	< 0.043	1.0	< 0.0434	<0.0209	<0.0199	0.0217	--	--	--	--	--	--
Total PCBs(2)	**12.26**	< 0.108	**5.96**	< 0.109	< 0.052	< 0.05	0.064	1.0	--(1)	1.0	--(1)	--(1)	--(1)

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (6 of 14) Soil Sample Analytical Results: PCBs 3434 West 51st Street / Chicago, Illinois								Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	PB-35 (4-8)	PB-36 (0-4)	PB-36 (4-8)	PB-37 (0-4)	PB-37 (4-8)	PB-38 (0-4)	PB-38 (4-8)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10						
Aroclor 1016	<0.0215	<0.0192	<0.0199	<0.0203	<0.0210	<0.0226	<0.0206	--	--	--	--	--	--
Aroclor 1221	<0.0215	<0.0192	<0.0199	<0.0203	<0.0210	<0.0226	<0.0206	--	--	--	--	--	--
Aroclor 1232	<0.0215	<0.0192	<0.0199	<0.0203	<0.0210	<0.0226	<0.0206	--	--	--	--	--	--
Aroclor 1242	<0.0215	<0.0192	<0.0199	<0.0203	<0.0210	<0.0226	<0.0206	--	--	--	--	--	--
Aroclor 1248	<0.0215	<0.0192	<0.0199	<0.0203	<0.0210	<0.0226	<0.0206	--	--	--	--	--	--
Aroclor 1254	<0.0215	<0.0192	<0.0199	<0.0203	<0.0210	<0.0226	<0.0206	--	--	--	--	--	--
Aroclor 1260	<0.0215	<0.0192	<0.0199	<0.0203	<0.0210	<0.0226	<0.0206	--	--	--	--	--	--
Total PCBs(2)	< 0.054	< 0.048	< 0.05	< 0.051	< 0.053	< 0.057	< 0.052	1.0	--(1)	1.0	--(1)	--(1)	--(1)

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (7 of 14) Soil Sample Analytical Results: PCBs 3434 West 51st Street / Chicago, Illinois								Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	PB-39 (0-4)	PB-39 (4-8)	PB-40 (0-4)	PB-40 (4-8)	PB-41 (0-4)	PB-41 (4-8)	PB-42 (0-4)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10	10/13/10						
Aroclor 1016	<0.0204	<0.0209	<0.0185	<0.0210	<0.0216	<0.0208	<0.0188	--	--	--	--	--	--
Aroclor 1221	<0.0204	<0.0209	<0.0185	<0.0210	<0.0216	<0.0208	<0.0188	--	--	--	--	--	--
Aroclor 1232	<0.0204	<0.0209	<0.0185	<0.0210	<0.0216	<0.0208	<0.0188	--	--	--	--	--	--
Aroclor 1242	<0.0204	<0.0209	<0.0185	<0.0210	<0.0216	<0.0208	<0.0188	--	--	--	--	--	--
Aroclor 1248	<0.0204	<0.0209	<0.0185	<0.0210	<0.0216	<0.0208	<0.0188	--	--	--	--	--	--
Aroclor 1254	<0.0204	<0.0209	0.723	<0.0210	<0.0216	<0.0208	0.0203	--	--	--	--	--	--
Aroclor 1260	<0.0204	<0.0209	0.329	<0.0210	0.0284	<0.0208	<0.0188	--	--	--	--	--	--
Total PCBs(2)	< 0.051	< 0.052	**1.08**	< 0.053	0.072	< 0.052	0.058	1.0	--(1)	1.0	--(1)	--(1)	--(1)

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (8 of 14) Soil Sample Analytical Results: PCBs 3434 West 51st Street / Chicago, Illinois								Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	PB-42 (4-8)	PB-43 (0-4)	PB-43 (4-8)	PB-44 (0-4)	PB-44 (4-8)	PB-45 (0-4)	PB-45 (4-8)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10						
Aroclor 1016	<0.0192	0.370	<0.0205	<0.0185	<0.0202	<0.0196	<0.0205	--	--	--	--	--	--
Aroclor 1221	<0.0192	<0.197	<0.0205	<0.0185	<0.0202	<0.0196	<0.0205	--	--	--	--	--	--
Aroclor 1232	<0.0192	<0.197	<0.0205	<0.0185	<0.0202	<0.0196	<0.0205	--	--	--	--	--	--
Aroclor 1242	<0.0192	<0.197	<0.0205	<0.0185	<0.0202	<0.0196	<0.0205	--	--	--	--	--	--
Aroclor 1248	<0.0192	<0.197	<0.0205	<0.0185	<0.0202	<0.0196	<0.0205	--	--	--	--	--	--
Aroclor 1254	<0.0192	1.20	<0.0205	1.60	<0.0202	<0.0196	<0.0205	--	--	--	--	--	--
Aroclor 1260	<0.0192	<0.197	<0.0205	1.77	<0.0202	0.0466	<0.0205	--	--	--	--	--	--
Total PCBs(2)	< 0.048	**1.87**	< 0.051	**3.4**	< 0.051	0.086	< 0.051	1.0	--(1)	1.0	--(1)	--(1)	--(1)

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (9 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-46 (0-4)	PB-46 (4-8)	PB-47 (0-4)	PB-47 (4-8)	PB-48 (0-4)	PB-48 (4-8)	PB-49 (0-4)	PB-49 (4-8)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Collection Date	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Aroclor 1016	<0.0181	<0.0204	<0.0216	<0.0203	<0.0191	<0.0203	<0.0188	<0.0200	<0.0220	--	--	--	--	--
Aroclor 1221	<0.0181	<0.0204	<0.0216	<0.0203	<0.0191	<0.0203	<0.0188	<0.0200	<0.0220	--	--	--	--	--
Aroclor 1232	<0.0181	<0.0204	<0.0216	<0.0203	<0.0191	<0.0203	<0.0188	<0.0200	<0.0220	--	--	--	--	--
Aroclor 1242	<0.0181	<0.0204	<0.0216	<0.0203	<0.0191	<0.0203	<0.0188	<0.0200	<0.0220	--	--	--	--	--
Aroclor 1248	<0.0181	<0.0204	<0.0216	<0.0203	<0.0191	<0.0203	<0.0188	<0.0200	<0.0220	--	--	--	--	--
Aroclor 1254	<0.0181	<0.0204	<0.0216	<0.0203	<0.0191	<0.0203	<0.0188	<0.0200	<0.0220	--	--	--	--	--
Aroclor 1260	0.100	<0.0204	0.182	<0.0203	0.209	<0.0203	0.137	<0.0200	<0.0220	--	--	--	--	--
Total PCBs[2]	0.14	< 0.051	0.225	< 0.051	0.247	< 0.051	0.175	< 0.05	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (10 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-50 (0-4)	PB-51 (0-4)	PB-52 (0-2.5)	PB-53 (0-2.5)	PB-54 (0-2.5)	PB-55 (0-2.5)	PB-55 (2.5-5)	PB-56 (0-2.5)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Collection Date	10/13/10	10/13/10	10/14/10	10/14/10	10/14/10	10/14/10	10/14/10	10/14/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Aroclor 1016	<0.0186	<0.0202	<0.179	<0.189	<0.187	<0.183	<0.0201	0.793	--	--	--	--	--	--
Aroclor 1221	<0.0186	<0.0202	<0.179	<0.189	<0.187	<0.183	<0.0201	<0.187	--	--	--	--	--	--
Aroclor 1232	<0.0186	<0.0202	<0.179	<0.189	<0.187	<0.183	<0.0201	<0.187	--	--	--	--	--	--
Aroclor 1242	<0.0186	<0.0202	<0.179	<0.189	<0.187	<0.183	<0.0201	<0.187	--	--	--	--	--	--
Aroclor 1248	<0.0186	<0.0202	<0.179	<0.189	<0.187	<0.183	<0.0201	<0.187	--	--	--	--	--	--
Aroclor 1254	<0.0186	<0.0202	<0.179	<0.189	<0.187	1.81	0.026	<0.187	--	--	--	--	--	--
Aroclor 1260	<0.0186	<0.0202	0.182	0.23	<0.187	1.71	<0.0201	3.72	--	--	--	--	--	--
Total PCBs[2]	< 0.047	< 0.051	0.54	0.608	< 0.468	**3.79**	0.066	**4.79**	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (11 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-56 (2.5-5)	PB-56 (5-7.5)	PB-57 (0-2.5)	PB-60 (0-2.5)	PB-60 (7.5-10)	PB-61 (0-2.5)	PB-61 (2.5-5)	PB-62 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
									Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/14/10	10/14/10	10/14/10	10/14/10	10/14/10	10/14/10	10/14/10	10/15/10						
Aroclor 1016	<0.0202	<0.0206	<0.196	<0.189	<0.0208	<0.199	<0.0200	<0.0177	--	--	--	--	--	--
Aroclor 1221	<0.0202	<0.0206	<0.196	<0.189	<0.0208	<0.199	<0.0200	<0.0177	--	--	--	--	--	--
Aroclor 1232	<0.0202	<0.0206	<0.196	<0.189	<0.0208	<0.199	<0.0200	<0.0177	--	--	--	--	--	--
Aroclor 1242	<0.0202	<0.0206	<0.196	<0.189	<0.0208	<0.199	<0.0200	<0.0177	--	--	--	--	--	--
Aroclor 1248	<0.0202	<0.0206	<0.196	<0.189	<0.0208	<0.199	<0.0200	<0.0177	--	--	--	--	--	--
Aroclor 1254	<0.0202	<0.0206	<0.196	0.255	<0.0208	4.09	<0.0200	<0.0177	--	--	--	--	--	--
Aroclor 1260	0.0209	<0.0206	<0.196	<0.189	<0.0208	1.67	<0.0200	<0.0177	--	--	--	--	--	--
Total PCBs[2]	0.061	< 0.052	< 0.49	0.633	< 0.052	**6.06**	< 0.05	< 0.044	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (12 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-63 (0-4)	PB-64 (0-4)	PB-64 (4-8)	PB-65 (0-4)	PB-66 (0-4)	PB-66 (4-8)	PB-67 (0-4)	PB-67 (4-8)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
									Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10						
Aroclor 1016	<0.0183	<0.0198	< 0.0197	<0.0175	<0.0174	<0.0204	<0.0205	< 0.0192	--	--	--	--	--	--
Aroclor 1221	<0.0183	<0.0198	< 0.0197	<0.0175	<0.0174	<0.0204	<0.0205	< 0.0192	--	--	--	--	--	--
Aroclor 1232	<0.0183	<0.0198	< 0.0197	<0.0175	<0.0174	<0.0204	<0.0205	< 0.0192	--	--	--	--	--	--
Aroclor 1242	<0.0183	<0.0198	< 0.0197	<0.0175	<0.0174	<0.0204	<0.0205	< 0.0192	--	--	--	--	--	--
Aroclor 1248	<0.0183	<0.0198	< 0.0197	<0.0175	<0.0174	<0.0204	<0.0205	< 0.0192	--	--	--	--	--	--
Aroclor 1254	<0.0183	0.0834	< 0.0197	<0.0175	<0.0174	<0.0204	<0.0205	< 0.0192	--	--	--	--	--	--
Aroclor 1260	<0.0183	<0.0198	< 0.0197	<0.0175	<0.0174	<0.0204	<0.0205	< 0.0192	--	--	--	--	--	--
Total PCBs[2]	< 0.046	0.123	< 0.049	< 0.044	< 0.0435	< 0.051	< 0.051	< 0.048	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (13 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

									Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	**PB-68 (0-4)**	**PB-68 (4-8)**	**PB-69 (0-2.5)**	**PB-69 (2.5-5)**	**PB-69 (0-4)**	**PB-70 (0-2.5)**	**PB-70 (0-4)**	**PB-70 (5-7.5)**	**Ingestion**	**Inhalation**	**Ingestion**	**Inhalation**	**Class I**	**Class II**
Collection Date	**10/15/10**	**10/15/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/18/10**						
Aroclor 1016	<0.0195	< 0.0200	<0.0189	<0.0199	<0.0202	<0.197	<0.195	<0.0167	--	--	--	--	--	--
Aroclor 1221	<0.0195	< 0.0200	<0.0189	<0.0199	<0.0202	<0.197	<0.195	<0.0167	--	--	--	--	--	--
Aroclor 1232	<0.0195	< 0.0200	<0.0189	<0.0199	<0.0202	<0.197	<0.195	<0.0167	--	--	--	--	--	--
Aroclor 1242	<0.0195	< 0.0200	<0.0189	<0.0199	<0.0202	<0.197	<0.195	<0.0167	--	--	--	--	--	--
Aroclor 1248	<0.0195	< 0.0200	<0.0189	<0.0199	<0.0202	5.18	8.9	<0.0167	--	--	--	--	--	--
Aroclor 1254	<0.0195	< 0.0200	0.234	0.401	0.288	<0.197	8.9	<0.0167	--	--	--	--	--	--
Aroclor 1260	<0.0195	< 0.0200	0.136	0.175	0.108	1.96	2.92	<0.0167	--	--	--	--	--	--
Total PCBs[2]	< 0.049	< 0.05	0.04	0.606	0.699	**7.44**	**20.92**	< 0.042	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

TABLE NO. 1 (14 of 14)
Soil Sample Analytical Results: PCBs
3434 West 51st Street / Chicago, Illinois

									Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	**PB-71 (0-4)**	**PB-72 (0-4)**	**PB-73 (0-4)**	**PB-74 (0-4)**	**PB-75 (0-4)**	**PB-75 (4-8)**	**PB-76 (0-4)**	**PB-76 (4-8)**	**Ingestion**	**Inhalation**	**Ingestion**	**Inhalation**	**Class I**	**Class II**
Collection Date	**10/18/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/25/10**	**10/25/10**	**10/25/10**	**10/25/10**						
Aroclor 1016	<0.0194	<0.0208	<0.0206	<0.0202	< 0.0210	< 0.0207	< 0.0204	< 0.0204	--	--	--	--	--	--
Aroclor 1221	<0.0194	<0.0208	<0.0206	<0.0202	< 0.0210	< 0.0207	< 0.0204	< 0.0204	--	--	--	--	--	--
Aroclor 1232	<0.0194	<0.0208	<0.0206	<0.0202	< 0.0210	< 0.0207	< 0.0204	< 0.0204	--	--	--	--	--	--
Aroclor 1242	<0.0194	<0.0208	<0.0206	<0.0202	< 0.0210	< 0.0207	< 0.0204	< 0.0204	--	--	--	--	--	--
Aroclor 1248	<0.0194	<0.0208	<0.0206	<0.0202	< 0.0210	< 0.0207	< 0.0204	< 0.0204	--	--	--	--	--	--
Aroclor 1254	<0.0194	<0.0208	<0.0206	<0.0202	< 0.0210	< 0.0207	< 0.0204	< 0.0204	--	--	--	--	--	--
Aroclor 1260	<0.0194	<0.0208	<0.0206	<0.0202	< 0.0210	< 0.0207	< 0.0204	< 0.0204	--	--	--	--	--	--
Total PCBs[2]	< 0.049	< 0.052	< 0.052	< 0.051	< 0.053	< 0.052	< 0.051	< 0.051	1.0	--[1]	1.0	--[1]	--[1]	--[1]

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Applicability requirements and methodologies for development of SROs under Tier 3 must be developed pursuant to 40 CFR Part 761
(2) Pursuant to discussions with US EPA representatives, the total PCB concentrations shown were calculated by assuming the concentration of Aroclors 1221 and 1232 were zero (neither were detected onsite), and summing half the reported detection limit for aroclors not detected in the sample with the detected concentrations of the remaining aroclors, if any.

Table 2 Pioneer Soil Sample Analytical Results: BTEX

TABLE NO. 2 Soil Sample Analytical Results: BTEX 3434 West 51st Street / Chicago, Illinois				Tier 1 Soil Remediation Objectives (Tier 1 SROs)						Soil Saturation Limit[1] C_{sat}
				Residential		Construction Worker		Migration to Groundwater		
Sample ID (Interval)	PB-11 (4-6)	PB-26 (4-8)	PB-27 (4-8)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	
Collection Date	9/2/10	9/27/10	9/27/10							
Benzene	< 0.0042	**2.37**	**0.577**	12	0.8	2,300	2.2	0.03	0.17	870
Toluene	0.0092	1.83	2.55	16,000	650	410,000	42	12	29	650
Ethylbenzene	0.0047	0.339	<0.247	7,800	400	20,000	58	13	19	400
Xylenes	< 0.013	2.23	0.513	16,000	320	41,000	5.6	150	150	320

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8260B/5035
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table A)

Table 3 Pioneer Soil Sample Analytical Results: VOCs

TABLE NO. 3 (1 of 5)
Soil Sample Analytical Results: VOCs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-3 (0-3)	PB-4 (0-4)	PB-5 (4-8)	PB-6 (0-3)	PB-6B (7.5-10)	PB-6E (2.5-5)	PB-7 (6-8)	PB-8 (4-8)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Collection Date	8/25/10	8/25/10	8/25/10	8/25/10	9/24/10	9/24/10	9/2/10	8/25/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
1,1-Dichloroethane	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.315	<0.0087	< 0.004	< 0.0042	7,800	1,300	200,000	130	23	110
1,1-Dichloroethene	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.736	<0.0204	< 0.004	< 0.0042	3,900	290	10,000	3.0	0.06	0.3
1,1,1-Trichloroethane	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.449	<0.0125	< 0.004	< 0.0042	--	1,200	--	1,200	2	9.6
1,1,2-Trichloroethane	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.963	<0.0267	< 0.004	< 0.0042	310	1,800	8,200	1,800	0.02	0.3
1,1,2,2-Tetrachloroethane(1)	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.601	<0.0167	< 0.004	< 0.0042	310	2,000	2,000	2,000	0.22	0.22
1,2-Dichloroethane	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.633	<0.0176	< 0.004	< 0.0042	7	0.4	1,400	0.99	0.02	0.1
1,2-Dichloropropane	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.408	<0.0113	< 0.004	< 0.0042	9	15	1,800	0.50	0.03	0.15
1,3-Dichloropropene (cis + trans)	< 0.0056	< 0.0042	< 0.0034	< 0.0042	< 0.962	< 0.0267	< 0.0032	< 0.0034	6.4	1.1	1,200	0.39	0.004	0.02
2-Butanone (MEK)	< 0.1	< 0.077	< 0.064	< 0.079	<3.98	<0.110	< 0.06	< 0.063	--	--	--	--	--	--
2-Hexanone	< 0.028	< 0.021	< 0.017	< 0.021	<2.37	<0.0659	< 0.016	< 0.017	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)(1)	< 0.028	< 0.021	< 0.017	< 0.021	<0.755	<0.0210	< 0.016	< 0.017	--	3,100	--	340	--	--
Acetone	< 0.1	< 0.077	< 0.064	< 0.079	<6.04	0.221	< 0.06	0.079	70,000	100,000	--	100,000	25	25
Benzene	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.537	0.107	< 0.004	< 0.0042	12	0.8	2,300	2.2	0.03	0.17
Bromodichloromethane	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.447	<0.0124	< 0.004	< 0.0042	10	3,000	2,000	3,000	0.6	0.6
Bromoform	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<1.24	<0.0345	< 0.004	< 0.0042	81	53	16,000	140	0.8	0.8
Bromomethane (Methyl Bromide)	< 0.014	< 0.01	< 0.0086	< 0.011	<1.08	<0.0299	< 0.008	< 0.0084	110	10	1,000	3.9	0.2	1.2
Carbon Disulfide	< 0.069	< 0.051	< 0.043	< 0.053	<0.347	<0.0096	< 0.04	< 0.042	7,800	720	20,000	9.0	32	160
Carbon Tetrachloride	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.486	<0.0135	< 0.004	< 0.0042	5	0.3	410	0.9	0.07	0.33
Chlorobenzene	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.392	<0.0109	< 0.004	< 0.0042	1,600	130	4,100	1.3	1	6.5
Chloroethane(1)	< 0.014	< 0.01	< 0.0086	< 0.011	<1.07	<0.0297	< 0.008	< 0.0084	--	1,500	--	97	--	--
Chloroform	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.347	<0.0096	< 0.004	< 0.0042	100	0.3	2,000	0.76	0.6	2.9
Chloromethane(1)	< 0.014	< 0.01	< 0.0086	< 0.011	<0.484	<0.0134	< 0.008	< 0.0084	--	110	--	11	--	--
cis-1,2-Dichloroethene	< 0.0069	< 0.0051	< 0.0043	0.014	**130**	**4.18**	< 0.004	< 0.0042	780	1,200	20,000	1,200	0.4	1.1
Dibromochloromethane	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.499	<0.0139	< 0.004	< 0.0042	1,600	1,300	41,000	1,300	0.4	0.4
Ethylbenzene	< 0.0069	0.0079	< 0.0043	< 0.0053	<0.491	0.114	0.012	< 0.0042	7,800	400	20,000	58	13	19
Methyl Tertiary-Butyl Ether	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.499	<0.0138	< 0.004	< 0.0042	780	8,800	2,000	140	0.32	0.32
Methylene Chloride	< 0.014	< 0.01	< 0.0086	< 0.011	<0.392	<0.0109	< 0.008	< 0.0084	85	13	12,000	34	0.02	0.2
Styrene	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.575	<0.0160	< 0.004	< 0.0042	16,000	1,500	41,000	430	4	18
Tetrachloroethene	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.520	0.0668	< 0.004	< 0.0042	12	11	2,400	28	0.06	0.3
Toluene	< 0.0069	0.0085	< 0.0043	< 0.0053	<0.368	0.698	0.016	< 0.0042	16,000	650	410,000	42	12	29
Total Xylenes	< 0.021	< 0.015	< 0.013	< 0.016	<1.18	0.621	0.017	< 0.013	16,000	320	41,000	5.6	150	150
trans-1,2-Dichloroethene	< 0.0069	< 0.0051	< 0.0043	< 0.0053	**5.24**	0.470	< 0.004	< 0.0042	1,600	3,100	41,000	3,100	0.7	3.4
Trichloroethene	< 0.0069	< 0.0051	< 0.0043	< 0.0053	<0.466	**0.334**	< 0.004	< 0.0042	58	5	1,200	12	0.06	0.3
Vinyl Chloride	< 0.0069	< 0.0051	< 0.0043	0.015	**32.2**	**7.22**	< 0.004	< 0.0042	0.46	0.28	170	1.1	0.01	0.07

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8260B/5035
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)

TABLE NO. 3 (2 of 5)
Soil Sample Analytical Results: VOCs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-10 (9-11)	PB12 (6-8)	PB-13 (0-4)	PB-14 (9-11)	PB-15 (4-6)	PB-16 (4-6)	PB-17 (6-8)	PB-18 (4-6)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Collection Date	9/2/10	9/2/10	8/25/10	9/2/10	9/2/10	9/2/10	9/2/10	9/2/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
1,1-Dichloroethane	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	7,800	1,300	200,000	130	23	110
1,1-Dichloroethene	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	3,900	290	10,000	3.0	0.06	0.3
1,1,1-Trichloroethane	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	--	1,200	--	1,200	2	9.6
1,1,2-Trichloroethane	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	310	1,800	8,200	1,800	0.02	0.3
1,1,2,2-Tetrachloroethane(1)	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	310	2,000	2,000	2,000	0.22	0.22
1,2-Dichloroethane	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	7	0.4	1,400	0.99	0.02	0.1
1,2-Dichloropropane	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	9	15	1,800	0.50	0.03	0.15
1,3-Dichloropropene (cis + trans)	< 0.0036	< 0.0042	< 0.22	< 0.0034	< 0.0036	< 0.0038	< 0.0034	< 0.0038	6.4	1.1	1,200	0.39	0.004	0.02
2-Butanone (MEK)	< 0.068	< 0.079	< 4.1	< 0.064	< 0.067	< 0.071	< 0.063	< 0.07	--	--	--	--	--	--
2-Hexanone	< 0.018	< 0.021	< 1.1	< 0.017	< 0.018	< 0.019	< 0.017	< 0.019	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)(1)	< 0.018	< 0.021	< 1.1	< 0.017	< 0.018	< 0.019	< 0.017	< 0.019	--	3,100	--	340	--	--
Acetone	< 0.068	< 0.079	< 4.1	< 0.064	< 0.067	< 0.071	< 0.063	< 0.07	70,000	100,000	--	100,000	25	25
Benzene	< 0.0046	0.0069	**10**	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	12	0.8	2,300	2.2	0.03	0.17
Bromodichloromethane	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	10	3,000	2,000	3,000	0.6	0.6
Bromoform	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	81	53	16,000	140	0.8	0.8
Bromomethane (Methyl Bromide)	< 0.0091	< 0.01	< 0.55	< 0.0085	< 0.0089	< 0.0094	< 0.0083	< 0.0093	110	10	1,000	3.9	0.2	1.2
Carbon Disulfide	< 0.046	< 0.052	< 2.7	< 0.043	< 0.045	< 0.047	< 0.042	< 0.047	7,800	720	20,000	9.0	32	160
Carbon Tetrachloride	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	5	0.3	410	0.9	0.07	0.33
Chlorobenzene	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	1,600	130	4,100	1.3	1	6.5
Chloroethane(1)	< 0.0091	< 0.01	< 0.55	< 0.0085	< 0.0089	< 0.0094	< 0.0083	< 0.0093	--	1,500	--	97	--	--
Chloroform	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	100	0.3	2,000	0.76	0.6	2.9
Chloromethane(1)	< 0.0091	< 0.01	< 0.55	< 0.0085	< 0.0089	< 0.0094	< 0.0083	< 0.0093	--	110	--	11	--	--
cis-1,2-Dichloroethene	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	780	1,200	20,000	1,200	0.4	1.1
Dibromochloromethane	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	1,600	1,300	41,000	1,300	0.4	0.4
Ethylbenzene	< 0.0046	< 0.0052	**32**	< 0.0043	0.0064	< 0.0047	< 0.0042	< 0.0047	7,800	400	20,000	58	13	19
Methyl Tertiary-Butyl Ether	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	780	8,800	2,000	140	0.32	0.32
Methylene Chloride	< 0.0091	< 0.01	< 0.55	< 0.0085	< 0.0089	< 0.0094	< 0.0083	< 0.0093	85	13	12,000	34	0.02	0.2
Styrene	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	16,000	1,500	41,000	430	4	18
Tetrachloroethene	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	12	11	2,400	28	0.06	0.3
Toluene	< 0.0046	< 0.0052	0.87	0.0055	< 0.0045	< 0.0047	< 0.0042	< 0.0047	16,000	650	410,000	42	12	29
Total Xylenes	< 0.014	< 0.016	**8.6**	< 0.013	< 0.013	< 0.014	< 0.013	< 0.014	16,000	320	41,000	5.6	150	150
trans-1,2-Dichloroethene	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	1,600	3,100	41,000	3,100	0.7	3.4
Trichloroethene	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	58	5	1,200	12	0.06	0.3
Vinyl Chloride	< 0.0046	< 0.0052	< 0.27	< 0.0043	< 0.0045	< 0.0047	< 0.0042	< 0.0047	0.46	0.28	170	1.1	0.01	0.07

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8260B/5035
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)

TABLE NO. 3 (3 of 5)
Soil Sample Analytical Results: VOCs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-19 (4-6)	PB-45 (4-8)	PB-50 (0-4)	PB-51 (0-4)	PB-56 (0-2.5)	PB-58 (7.5-10)	PB-58 (10-12.5)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Collection Date	9/2/10	10/13/10	10/13/10	10/13/10	10/14/10	10/14/10	10/14/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
1,1-Dichloroethane	< 0.072	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	7,800	1,300	200,000	130	23	110
1,1-Dichloroethene	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	3,900	290	10,000	3.0	0.06	0.3
1,1,1-Trichloroethane	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	--	1,200	--	1,200	2	9.6
1,1,2-Trichloroethane	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	310	1,800	8,200	1,800	0.02	0.3
1,1,2,2-Tetrachloroethane(1)	< 0.0096	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	310	2,000	2,000	2,000	0.22	0.22
1,2-Dichloroethane	< 0.072	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	7	0.4	1,400	0.99	0.02	0.1
1,2-Dichloropropane	< 0.048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	9	15	1,800	0.50	0.03	0.15
1,3-Dichloropropene (cis + trans)	< 0.0048	<0.0948	<0.001944	<0.001828	<0.1948	<0.001766	<0.001754	6.4	1.1	1,200	0.39	0.004	0.02
2-Butanone (MEK)	< 0.0048	<0.474	<0.00972	0.0180	<0.974	<0.00883	<0.00877	--	--	--	--	--	--
2-Hexanone	< 0.0096	<1.18	<0.0243	<0.0229	<2.44	<0.0221	<0.0219	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)(1)	< 0.0048	<1.18	<0.0243	<0.0229	<2.44	<0.0221	<0.0219	--	3,100	--	340	--	--
Acetone	< 0.0096	<1.18	<0.0243	0.0995	<2.44	<0.0221	<0.0219	70,000	100,000	--	100,000	25	25
Benzene	< 0.0048	0.0185	0.000904	<0.000229	0.507	<0.000221	<0.000219	12	0.8	2,300	2.2	0.03	0.17
Bromodichloromethane	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	10	3,000	2,000	3,000	0.6	0.6
Bromoform	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	81	53	16,000	140	0.8	0.8
Bromomethane (Methyl Bromide)	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	110	10	1,000	3.9	0.2	1.2
Carbon Disulfide	< 0.0048	<0.0474	<0.000972	0.00634	<0.0974	<0.000883	<0.000877	7,800	720	20,000	9.0	32	160
Carbon Tetrachloride	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	5	0.3	410	0.9	0.07	0.33
Chlorobenzene	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	1,600	130	4,100	1.3	1	6.5
Chloroethane(1)	< 0.0038	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	--	1,500	--	97	--	--
Chloroform	0.0095	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	100	0.3	2,000	0.76	0.6	2.9
Chloromethane(1)	< 0.019	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	--	110	--	11	--	--
cis-1,2-Dichloroethene	< 0.019	<0.0474	<0.000972	<0.000914	**10.9**	0.00682	<0.000877	780	1,200	20,000	1,200	0.4	1.1
Dibromochloromethane	< 0.0096	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	1,600	1,300	41,000	1,300	0.4	0.4
Ethylbenzene	< 0.0048	0.248	0.00279	0.00217	3.39	0.00451	0.00306	7,800	400	20,000	58	13	19
Methyl Tertiary-Butyl Ether	< 0.0048	<0.0474	<0.000972	<0.000914	<0.0974	<0.000883	<0.000877	780	8,800	2,000	140	0.32	0.32
Methylene Chloride	< 0.0048	<0.237	<0.00486	<0.00457	<0.487	<0.00442	<0.00438	85	13	12,000	34	0.02	0.2
Styrene	< 0.0048	<0.0474	<0.000972	<0.000914	0.21	<0.000883	<0.000877	16,000	1,500	41,000	430	4	18
Tetrachloroethene	0.016	<0.0948	<0.00194	<0.00183	<0.195	<0.00177	<0.00175	12	11	2,400	28	0.06	0.3
Toluene	< 0.0048	0.0498	0.0299	0.0219	1.45	0.0465	0.0291	16,000	650	410,000	42	12	29
trans-1,2-Dichloroethene	< 0.0048	<0.0474	<0.000972	<0.000914	1.58	0.000945	<0.000877	1,600	3,100	41,000	3,100	0.7	3.4
Trichloroethene	< 0.0048	<0.0474	0.00141	<0.000914	<0.0974	0.00178	0.000947	58	5	1,200	12	0.06	0.3
Vinyl Chloride	< 0.0048	<0.0474	<0.000972	<0.000914	**2.01**	0.00414	<0.000877	0.46	0.28	170	1.1	0.01	0.07
Xylenes	< 0.014	0.830	0.0121	0.00805	**13.4**	0.0175	0.0115	16,000	320	41,000	5.6	150	150

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8260B/5035
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)

TABLE NO. 3 (4 of 5)
Soil Sample Analytical Results: VOCs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-59 (7.5-10)	PB-60 (7.5-10)	PB-65 (0-4)	PB-66 (4-8)	PB-69 (0-4)	PB-70 (0-4)	PB-70 (5-7.5)	PB-73 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
									Residential		Construction Worker		Migration to Groundwater	
Collection Date	10/14/10	10/14/10	10/15/10	10/15/10	10/18/10	10/18/10	10/18/10	10/18/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
1,1-Dichloroethane	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	7,800	1,300	200,000	130	23	110
1,1-Dichloroethene	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	3,900	290	10,000	3.0	0.06	0.3
1,1,1-Trichloroethane	<0.0436	<0.0500	<0.0461	<0.000842	<0.000929	<0.0515	<0.000878	<0.000957	--	1,200	--	1,200	2	9.6
1,1,2-Trichloroethane	<0.0436	<0.0500	<0.0461	<0.000842	<0.000929	<0.0515	<0.000878	<0.000957	310	1,800	8,200	1,800	0.02	0.3
1,1,2,2-Tetrachloroethane(1)	<0.0436	<0.0500	<0.0461	<0.000842	<0.000929	<0.0515	<0.000878	<0.000957	310	2,000	2,000	2,000	0.22	0.22
1,2-Dichloroethane	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	7	0.4	1,400	0.99	0.02	0.1
1,2-Dichloropropane	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	9	15	1,800	0.50	0.03	0.15
1,3-Dichloropropene (cis + trans)	<0.0872	<0.1000	<0.0922	<0.00168	<0.00186	<0.103	<0.00176	<0.00191	6.4	1.1	1,200	0.39	0.004	0.02
2-Butanone (MEK)	<0.436	<0.500	<0.461	<0.00842	0.011	<0.515	<0.00878	0.0178	--	--	--	--	--	--
2-Hexanone	<1.09	<1.25	<1.15	<0.0211	<0.0232	<1.29	<0.0220	<0.0239	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)(1)	<1.09	<1.25	<1.15	<0.0211	<0.0232	<1.29	<0.0220	<0.0239	--	3,100	--	340	--	--
Acetone	<1.09	<1.25	<1.15	<0.0211	0.0543	<1.29	0.0264	0.077	70,000	100,000	--	100,000	25	25
Benzene	<0.0109	<0.0125	**0.262**	<0.00021	0.00178	0.0845	<0.000220	0.00323	12	0.8	2,300	2.2	0.03	0.17
Bromodichloromethane	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	10	3,000	2,000	3,000	0.6	0.6
Bromoform	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	81	53	16,000	140	0.8	0.8
Bromomethane (Methyl Bromide)	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	110	10	1,000	3.9	0.2	1.2
Carbon Disulfide	<0.0436	<0.0500	<0.0461	<0.00084	0.00482	<0.0515	0.00163	0.00652	7,800	720	20,000	9.0	32	160
Carbon Tetrachloride	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	5	0.3	410	0.9	0.07	0.33
Chlorobenzene	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	1,600	130	4,100	1.3	1	6.5
Chloroethane(1)	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	--	1,500	--	97	--	--
Chloroform	<0.0436	<0.0500	<0.0461	0.00184	<0.000929	<0.0515	<0.000878	<0.000957	100	0.3	2,000	0.76	0.6	2.9
Chloromethane(1)	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	--	110	--	11	--	--
cis-1,2-Dichloroethene	**5.37**	**1.31**	<0.0461	<0.00084	0.019	<0.0515	<0.000878	0.00422	780	1,200	20,000	1,200	0.4	1.1
Dibromochloromethane	<0.0436	<0.0500	<0.0461	<0.00084	<0.000929	<0.0515	<0.000878	<0.000957	1,600	1,300	41,000	1,300	0.4	0.4
Ethylbenzene	<0.0436	<0.0500	0.605	0.00327	0.00703	0.13	0.00289	0.0131	7,800	400	20,000	58	13	19
Methyl Tertiary-Butyl Ether	<0.0436	<0.0500	<0.0461	0.00341	<0.000929	<0.0515	<0.000878	<0.000957	780	8,800	2,000	140	0.32	0.32
Methylene Chloride	<0.218	<0.250	<0.230	0.0214	<0.00465	<0.257	<0.00439	<0.00478	85	13	12,000	34	0.02	0.2
Styrene	<0.0436	<0.0500	<0.0461	<0.000842	<0.000929	<0.0515	<0.000878	0.00165	16,000	1,500	41,000	430	4	18
Tetrachloroethene	<0.0872	<0.100	<0.0922	<0.00168	0.00789	<0.103	<0.00176	0.00821	12	11	2,400	28	0.06	0.3
Toluene	<0.0436	<0.0500	0.0756	0.0441	0.0473	0.298	0.0269	0.0662	16,000	650	410,000	42	12	29
trans-1,2-Dichloroethene	<0.0436	<0.0500	<0.0461	<0.00084	0.0028	<0.0515	<0.000878	0.00147	1,600	3,100	41,000	3,100	0.7	3.4
Trichloroethene	**4.46**	0.0791	<0.0461	0.00266	0.00938	<0.0515	0.000975	0.00414	58	5	1,200	12	0.06	0.3
Vinyl Chloride	<0.0872	<0.100	<0.0461	<0.000842	0.00229	<0.0515	<0.000878	0.00274	0.46	0.28	170	1.1	0.01	0.07
Xylenes	0.645	0.217	0.413	0.0102	0.026	0.483	0.0109	0.0472	16,000	320	41,000	5.6	150	150

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8260B/5035
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)

TABLE NO. 3 (5 of 5) Soil Sample Analytical Results: VOCs 3434 West 51st Street / Chicago, Illinois			Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
			Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	PB-75 (4-8)	PB-76 (4-8)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/25/10	10/25/10						
1,1-Dichloroethane	<0.00092	<0.00093	7,800	1,300	200,000	130	23	110
1,1-Dichloroethene	<0.00092	<0.00093	3,900	290	10,000	3.0	0.06	0.3
1,1,1-Trichloroethane	<0.000920	<0.000932	--	1,200	--	1,200	2	9.6
1,1,2-Trichloroethane	<0.000920	<0.000932	310	1,800	8,200	1,800	0.02	0.3
1,1,2,2-Tetrachloroethane(1)	<0.000920	<0.000932	310	2,000	2,000	2,000	0.22	0.22
1,2-Dichloroethane	<0.00092	<0.00093	7	0.4	1,400	0.99	0.02	0.1
1,2-Dichloropropane	<0.00092	<0.00093	9	15	1,800	0.50	0.03	0.15
1,3-Dichloropropene (cis + trans)	<0.00184	<0.00186	6.4	1.1	1,200	0.39	0.004	0.02
2-Butanone (MEK)	<0.00920	<0.00932	--	--	--	--	--	--
2-Hexanone	<0.0230	<0.0233	--	--	--	--	--	--
4-Methyl-2-pentanone (MIBK)(1)	<0.0230	<0.0233	--	3,100	--	340	--	--
Acetone	0.0311	0.0283	70,000	100,000	--	100,000	25	25
Benzene	<0.00023	<0.00023	12	0.8	2,300	2.2	0.03	0.17
Bromodichloromethane	<0.00092	<0.00093	10	3,000	2,000	3,000	0.6	0.6
Bromoform	<0.00092	<0.00093	81	53	16,000	140	0.8	0.8
Bromomethane (Methyl Bromide)	<0.00092	<0.00093	110	10	1,000	3.9	0.2	1.2
Carbon Disulfide	<0.00092	<0.00093	7,800	720	20,000	9.0	32	160
Carbon Tetrachloride	<0.00092	<0.00093	5	0.3	410	0.9	0.07	0.33
Chlorobenzene	<0.00092	<0.00093	1,600	130	4,100	1.3	1	6.5
Chloroethane(1)	<0.00092	<0.00093	--	1,500	--	97	--	--
Chloroform	<0.00092	<0.00093	100	0.3	2,000	0.76	0.6	2.9
Chloromethane(1)	<0.00092	<0.00093	--	110	--	11	--	--
cis-1,2-Dichloroethene	<0.00092	<0.00093	780	1,200	20,000	1,200	0.4	1.1
Dibromochloromethane	<0.00092	<0.00093	1,600	1,300	41,000	1,300	0.4	0.4
Ethylbenzene	0.00281	0.00234	7,800	400	20,000	58	13	19
Methyl Tertiary-Butyl Ether	<0.000920	<0.000932	780	8,800	2,000	140	0.32	0.32
Methylene Chloride	<0.00460	<0.00466	85	13	12,000	34	0.02	0.2
Styrene	<0.000920	<0.000932	16,000	1,500	41,000	430	4	18
Tetrachloroethene	<0.00184	<0.00186	12	11	2,400	28	0.06	0.3
Toluene	0.0193	0.0269	16,000	650	410,000	42	12	29
Total Xylenes	0.0112	0.00981	16,000	320	41,000	5.6	150	150
trans-1,2-Dichloroethene	<0.00092	<0.00093	1,600	3,100	41,000	3,100	0.7	3.4
Trichloroethene	<0.000920	0.00112	58	5	1,200	12	0.06	0.3
Vinyl Chloride	<0.000920	<0.000932	0.46	0.28	170	1.1	0.01	0.07

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8260B/5035
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)

TABLE NO. 4 (1 of 7)
Soil Sample Analytical Results: PNAs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-3 (0-3)	PB-4 (0-4)	PB-5 (4-8)	PB-6 (0-3)	PB-7 (6-8)	PB-8 (4-8)	PB-10 (9-11)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Collection Date	**8/25/10**	**8/25/10**	**8/25/10**	**8/25/10**	**9/2/10**	**8/25/10**	**9/2/10**	**Ingestion**	**Inhalation**	**Ingestion**	**Inhalation**	**Class I**	**Class II**
Acenaphthene	< 0.037	0.14	< 0.03	0.067	0.09	< 0.03	< 0.04	4,700	--	120,000	--	570	2,900
Acenaphthylene[1]	< 0.037	< 0.04	< 0.03	0.063	< 0.039	< 0.03	< 0.04	2,300	--	61,000	--	85	420
Anthracene	0.12	0.31	< 0.03	0.18	0.2	< 0.03	< 0.04	23,000	--	610,000	--	12,000	59,000
Benzo(a)anthracene	0.24	0.88	< 0.03	0.72	0.36	< 0.03	< 0.04	0.9[2]/1.1[3]	--	170	--	2	8
Benzo(a)pyrene	0.17	0.79	< 0.03	0.95	0.34	< 0.03	< 0.04	0.09[2]/1.3[3]	--	17	--	8	82
Benzo(b)fluoranthene	0.29	1.1	< 0.03	1.2	0.25	< 0.03	< 0.04	0.9[2]/1.5[3]	--	170	--	5	25
Benzo(g,h,i)perylene[1]	0.093	0.45	< 0.03	0.5	0.18	< 0.03	< 0.04	2,300	--	61,000	--	27,000	130,000
Benzo(k)fluoranthene	0.2	0.72	< 0.03	0.57	0.33	< 0.03	< 0.04	9	--	1,700	--	49	250
Chrysene	0.32	1	< 0.03	0.88	0.35	< 0.03	< 0.04	88	--	17,000	--	160	800
Dibenzo(a,h)anthracene	0.048	0.18	< 0.03	0.23	0.086	< 0.03	< 0.04	0.09[2]/0.2[3]	--	17	--	2	7.6
Fluoranthene	0.35	1.8	< 0.03	1.2	0.89	< 0.03	0.052	3,100	--	82,000	--	4,300	21,000
Fluorene	< 0.037	0.2	< 0.03	0.088	0.14	< 0.03	< 0.04	3,100	--	82,000	--	560	2,800
Indeno(1,2,3-cd)pyrene	0.089	0.37	< 0.03	0.47	0.17	< 0.03	< 0.04	0.9	--	170	--	14	69
Naphthalene	0.17	0.093	0.03	0.084	0.082	< 0.03	< 0.04	1,600	170	4,100	1.8	12	18
Phenanthrene[1]	0.24	0.83	< 0.03	0.6	0.76	< 0.03	< 0.04	2,300	--	61,000	--	200	1,000
Pyrene	0.35	1.7	< 0.03	1.2	0.71	< 0.03	0.056	2,300	--	61,000	--	4,200	21,000

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized in place of default Tier 1 SRO for ingestion exposure route
(3) Background concentration for Chicago pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table H)

Table 4 Pioneer Soil Sample Analytical Results: PNAs

TABLE NO. 4 (2 of 7)
Soil Sample Analytical Results: PNAs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-11 (4-6)	PB-12 (6-8)	PB-13 (0-4)	PB-16 (4-6)	PB-17 (6-8)	PB-18 (4-6)	PB-19 (4-6)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
								Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	**9/2/10**	**9/2/10**	**8/25/10**	**9/2/10**	**9/2/10**	**9/2/10**	**9/2/10**						
Acenaphthene	2.4	0.032	0.088	< 0.039	< 0.04	< 0.03	< 0.04	4,700	--	120,000	--	570	2,900
Acenaphthylene[1]	1.8	0.059	0.076	< 0.039	< 0.04	< 0.03	< 0.04	2,300	--	61,000	--	85	420
Anthracene	0.76	< 0.031	0.15	< 0.039	< 0.04	< 0.03	< 0.04	23,000	--	610,000	--	12,000	59,000
Benzo(a)anthracene	0.052	< 0.031	0.39	< 0.039	< 0.04	< 0.03	< 0.04	0.9[2]/1.1[3]	--	170	--	2	8
Benzo(a)pyrene	< 0.039	< 0.031	0.24	< 0.039	< 0.04	< 0.03	< 0.04	0.09[2]/1.3[3]	--	17	--	8	82
Benzo(b)fluoranthene	< 0.039	< 0.031	0.2	< 0.039	< 0.04	< 0.03	< 0.04	0.9[2]/1.5[3]	--	170	--	5	25
Benzo(g,h,i)perylene[1]	< 0.039	< 0.031	0.097	< 0.039	< 0.04	< 0.03	< 0.04	2,300	--	61,000	--	27,000	130,000
Benzo(k)fluoranthene	< 0.039	< 0.031	0.12	< 0.039	< 0.04	< 0.03	< 0.04	9	--	1,700	--	49	250
Chrysene	0.064	< 0.031	0.54	< 0.039	< 0.04	< 0.03	< 0.04	88	--	17,000	--	160	800
Dibenzo(a,h)anthracene	< 0.039	< 0.031	0.046	< 0.039	< 0.04	< 0.03	< 0.04	0.09[2]/0.2[3]	--	17	--	2	7.6
Fluoranthene	0.29	0.045	0.48	< 0.039	< 0.04	< 0.03	< 0.04	3,100	--	82,000	--	4,300	21,000
Fluorene	3.8	0.047	0.19	< 0.039	< 0.04	< 0.03	< 0.04	3,100	--	82,000	--	560	2,800
Indeno(1,2,3-cd)pyrene	< 0.039	< 0.031	0.067	< 0.039	< 0.04	< 0.03	< 0.04	0.9	--	170	--	14	69
Naphthalene	0.74	0.097	**9.8**	< 0.039	< 0.04	< 0.03	< 0.04	1,600	170	4,100	1.8	12	18
Phenanthrene[1]	8.1	0.12	0.71	< 0.039	< 0.04	< 0.03	< 0.04	2,300	--	61,000	--	200	1,000
Pyrene	0.53	0.038	0.85	< 0.039	< 0.04	< 0.03	< 0.04	2,300	--	61,000	--	4,200	21,000

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized in place of default Tier 1 SRO for ingestion exposure route
(3) Background concentration for Chicago pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table H)

TABLE NO. 4 (3 of 7)
Soil Sample Analytical Results: PNAs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-20 (0-4)	PB-21 (0-4)	B-22 (0-4)	PB-23 (0-4)	PB-24 (0-4)	PB-25 (0-4)	PB-29 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Collection Date	**9/27/10**	**9/27/10**	**9/27/10**	**9/27/10**	**9/27/10**	**9/27/10**	**9/23/10**	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Acenaphthene	<0.039	0.257	0.472	<0.345	<0.103	1.47	<0.020	4,700	--	120,000	--	570	2,900
Acenaphthylene[1]	0.0555	0.130	<0.401	<0.345	<0.103	<0.398	<0.020	2,300	--	61,000	--	85	420
Anthracene	0.0876	0.612	1.63	<0.345	0.220	3.75	0.0307	23,000	--	610,000	--	12,000	59,000
Benzo(a)anthracene	0.312	0.743	**2.23**	<0.345	0.433	**3.45**	0.112	0.9[2]/1.1[3]	--	170	--	2	8
Benzo(a)pyrene	0.264	0.704	**1.92**	<0.345	0.479	**3.03**	0.118	0.09[2]/1.3[3]	--	17	--	8	82
Benzo(b)fluoranthene	0.277	0.585	**1.53**	<0.345	0.392	**3.41**	0.107	0.9[2]/1.5[3]	--	170	--	5	25
Benzo(g,h,i)perylene[1]	0.170	0.358	1.13	<0.345	0.265	1.66	0.0790	2,300	--	61,000	--	27,000	130,000
Benzo(k)fluoranthene	0.208	0.626	1.81	<0.345	0.500	2.45	0.102	9	--	1,700	--	49	250
Chrysene	0.277	0.780	2.44	<0.345	0.544	4.26	0.123	88	--	17,000	--	160	800
Dibenzo(a,h)anthracene	0.0767	0.123	<0.401	<0.345	<0.103	**0.559**	0.0307	0.09[2]/0.2[3]	--	17	--	2	7.6
Fluoranthene	0.418	1.69	5.35	<0.345	0.937	11.2	0.212	3,100	--	82,000	--	4,300	21,000
Fluorene	<0.039	0.122	<0.401	<0.345	0.135	1.96	<0.020	3,100	--	82,000	--	560	2,800
Indeno(1,2,3-cd)pyrene	0.148	0.318	**0.916**	<0.345	0.228	**1.39**	0.0681	0.9	--	170	--	14	69
Naphthalene	0.0620	0.472	<0.401	<0.345	0.223	3.46	0.0412	1,600	170	4,100	1.8	12	18
Phenanthrene[1]	0.289	0.771	2.77	<0.345	0.638	10.3	0.0823	2,300	--	61,000	--	200	1,000
Pyrene	0.501	1.63	4.46	<0.345	0.885	8.39	0.192	2,300	--	61,000	--	4,200	21,000

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized in place of default Tier 1 SRO for ingestion exposure route
(3) Background concentration for Chicago pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table H)

TABLE NO. 4 (4 of 7)
Soil Sample Analytical Results: PNAs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-30 (0-4)	PB-31 (4-8)	PB-32 (0-4)	PB-33 (0-4)	PB-35 (0-4)	PB-38 (0-4)	PB-43 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Collection Date	9/23/10	9/23/10	9/23/10	9/23/10	10/12/10	10/12/10	10/13/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Acenaphthene	<0.020	<0.021	<0.019	0.105	39.7	<0.540	1.4	4,700	--	120,000	--	570	2,900
Acenaphthylene[1]	<0.020	<0.021	0.0191	0.144	30.0	<0.540	0.079	2,300	--	61,000	--	85	420
Anthracene	<0.020	0.0524	0.107	0.746	134.0	<0.540	2.41	23,000	--	610,000	--	12,000	59,000
Benzo(a)anthracene	<0.020	0.115	0.207	0.972	**116.0**	<0.540	**4.33**	0.9[2]/1.1[3]	--	170	--	2	8
Benzo(a)pyrene	<0.020	0.105	0.214	0.910	**81.7**	0.6	**4.59**	0.09[2]/1.3[3]	--	17	--	8	82
Benzo(b)fluoranthene	<0.020	0.109	0.192	0.796	**96.1**	0.7	**4.14**	0.9[2]/1.5[3]	--	170	--	5	25
Benzo(g,h,i)perylene[1]	<0.020	0.0771	0.165	0.824	38.9	0.6	2.21	2,300	--	61,000	--	27,000	130,000
Benzo(k)fluoranthene	<0.020	0.105	0.175	0.924	**35.8**	<0.540	1.69	9	--	1,700	--	49	250
Chrysene	<0.020	0.135	0.237	1.02	**107.0**	0.7	4.72	88	--	17,000	--	160	800
Dibenzo(a,h)anthracene	<0.020	0.0272	0.0607	0.0552	**9.1**	<0.540	**0.614**	0.09[2]/0.2[3]	--	17	--	2	7.6
Fluoranthene	<0.0202	0.248	0.424	1.94	322.0	0.8	8.41	3,100	--	82,000	--	4,300	21,000
Fluorene	<0.020	<0.021	<0.019	0.143	101.0	<0.540	1.42	3,100	--	82,000	--	560	2,800
Indeno(1,2,3-cd)pyrene	<0.020	0.0614	0.130	0.116	**36.6**	0.6	**1.93**	0.9	--	170	--	14	69
Naphthalene	<0.020	0.0413	0.103	0.195	**61.1**	<0.540	1.15	1,600	170	4,100	1.8	12	18
Phenanthrene[1]	<0.020	0.160	0.297	1.15	**462.0**	<0.540	6.1	2,300	--	61,000	--	200	1,000
Pyrene	<0.020	0.219	0.406	1.85	243.0	1.0	8.57	2,300	--	61,000	--	4,200	21,000

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized in place of default Tier 1 SRO for ingestion exposure route
(3) Background concentration for Chicago pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table H)

TABLE NO. 4 (5 of 7)
Soil Sample Analytical Results: PNAs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-46 (0-4)	PB-47 (0-4)	PB-50 (0-4)	PB-51 (0-4)	PB-62 (0-4)	PB-65 (0-4)	PB-68 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
								Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	**10/13/10**	**10/13/10**	**10/13/10**	**10/13/10**	**10/15/10**	**10/15/10**	**10/15/10**						
Acenaphthene	0.32	0.378	19.3	0.385	<0.423	0.924	<0.0461	4,700	--	120,000	--	570	2,900
Acenaphthylene[1]	<0.0432	<0.0512	2.88	<0.0484	<0.423	<0.416	<0.0461	2,300	--	61,000	--	85	420
Anthracene	0.371	1.04	44.1	0.667	<0.423	0.703	<0.0461	23,000	--	610,000	--	12,000	59,000
Benzo(a)anthracene	**1.51**	**4.84**	**53.7**	**1.94**	**1.11**	0.979	0.118	0.9[2]/1.1[3]	--	170	--	2	8
Benzo(a)pyrene	1.24	**4.19**	**37.9**	**1.52**	1.09	0.858	0.106	0.09[2]/1.3[3]	--	17	--	8	82
Benzo(b)fluoranthene	**1.82**	**4.79**	**48.2**	**2.13**	1.48	1.18	0.143	0.9[2]/1.5[3]	--	170	--	5	25
Benzo(g,h,i)perylene[1]	0.573	1.63	21.9	0.694	0.712	0.486	0.0599	2,300	--	61,000	--	27,000	130,000
Benzo(k)fluoranthene	0.553	2.04	**19.6**	0.591	<0.423	0.471	0.0593	9	--	1,700	--	49	250
Chrysene	1.4	4.43	45.1	1.66	1.14	1.06	0.122	88	--	17,000	--	160	800
Dibenzo(a,h)anthracene	0.133	**0.515**	**5.57**	0.169	<0.423	<0.416	<0.0461	0.09[2]/0.2[3]	--	17	--	2	7.6
Fluoranthene	2.43	8.75	131	3.45	1.65	2.25	0.218	3,100	--	82,000	--	4,300	21,000
Fluorene	0.296	0.523	36.5	0.166	<0.423	1.75	<0.0461	3,100	--	82,000	--	560	2,800
Indeno(1,2,3-cd)pyrene	**0.52**	**1.63**	**20.4**	0.648	0.593	0.425	0.0558	0.9	--	170	--	14	69
Naphthalene	0.731	0.251	**46.4**	0.321	<0.423	3.02	<0.0461	1,600	170	4,100	1.8	12	18
Phenanthrene[1]	1.71	4.59	172	1.55	0.739	5.55	0.0984	2,300	--	61,000	--	200	1,000
Pyrene	2.64	8.53	120	3.2	1.65	2.02	0.22	2,300	--	61,000	--	4,200	21,000

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized in place of default Tier 1 SRO for ingestion exposure route
(3) Background concentration for Chicago pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table H)

TABLE NO. 4 (6 of 7)
Soil Sample Analytical Results: PNAs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-66 (4-8)	PB-69 (0-4)	PB-70 (0-4)	PB-70 (5-7.5)	PB-71 (0-4)	PB-72 (0-4)	PB-73 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
								Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	**10/15/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/18/10**						
Acenaphthene	<0.0610	0.103	<0.596	<0.0609	<0.0473	<0.0493	<0.0621	4,700	--	120,000	--	570	2,900
Acenaphthylene[1]	<0.0610	<0.0618	<0.596	<0.0609	<0.0473	<0.0493	<0.0621	2,300	--	61,000	--	85	420
Anthracene	<0.0610	0.287	<0.596	<0.0609	<0.0473	<0.0493	0.0714	23,000	--	610,000	--	12,000	59,000
Benzo(a)anthracene	<0.0610	0.801	**1.39**	<0.0609	<0.0473	0.113	0.198	0.9[2]/1.1[3]	--	170	--	2	8
Benzo(a)pyrene	<0.0610	0.755	1.06	<0.0609	<0.0473	0.11	0.161	0.09[2]/1.3[3]	--	17	--	8	82
Benzo(b)fluoranthene	<0.0610	1.24	**1.83**	<0.0609	<0.0473	0.18	0.181	0.9[2]/1.5[3]	--	170	--	5	25
Benzo(g,h,i)perylene[1]	<0.0610	0.307	0.407	<0.0609	<0.0473	0.079	0.0832	2,300	--	61,000	--	27,000	130,000
Benzo(k)fluoranthene	<0.0610	0.333	0.498	<0.0609	<0.0473	0.0586	0.0727	9	--	1,700	--	49	250
Chrysene	<0.0610	0.839	1.23	<0.0609	<0.0473	0.153	0.189	88	--	17,000	--	160	800
Dibenzo(a,h)anthracene	<0.0610	0.0891	<0.119	<0.0609	<0.0473	<0.0493	<0.0621	0.09[2]/0.2[3]	--	17	--	2	7.6
Fluoranthene	<0.0610	1.46	2.85	<0.0609	<0.0473	0.169	0.36	3,100	--	82,000	--	4,300	21,000
Fluorene	<0.0610	<0.0618	<0.596	<0.0609	<0.0473	<0.0493	<0.0621	3,100	--	82,000	--	560	2,800
Indeno(1,2,3-cd)pyrene	<0.0610	0.284	0.361	<0.0609	<0.0473	0.0752	0.0724	0.9	--	170	--	14	69
Naphthalene	<0.0610	0.225	0.259	<0.0609	<0.0473	<0.0493	0.0801	1,600	170	4,100	1.8	12	18
Phenanthrene[1]	<0.0610	0.985	2.2	<0.0609	<0.0473	0.123	0.34	2,300	--	61,000	--	200	1,000
Pyrene	<0.0610	1.64	3.39	<0.0609	<0.0473	0.182	0.419	2,300	--	61,000	--	4,200	21,000

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized in place of default Tier 1 SRO for ingestion exposure route
(3) Background concentration for Chicago pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table H)

TABLE NO. 4 (7 of 7) Soil Sample Analytical Results: PNAs 3434 West 51st Street / Chicago, Illinois				Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
				Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	PB-75 (4-8)	PB-76 (0-4)	PB-76 (4-8)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/25/10	10/25/10	10/25/10						
Acenaphthene	<0.0617	<0.0481	<0.0612	4,700	--	120,000	--	570	2,900
Acenaphthylene(1)	<0.0617	<0.0481	<0.0612	2,300	--	61,000	--	85	420
Anthracene	<0.0617	0.0501	<0.0612	23,000	--	610,000	--	12,000	59,000
Benzo(a)anthracene	0.0716	0.219	<0.0612	0.9(2)/1.1(3)	--	170	--	2	8
Benzo(a)pyrene	0.0635	0.271	<0.0612	0.09(2)/1.3(3)	--	17	--	8	82
Benzo(b)fluoranthene	0.0768	0.233	<0.0612	0.9(2)/1.5(3)	--	170	--	5	25
Benzo(g,h,i)perylene(1)	<0.0617	0.259	<0.0612	2,300	--	61,000	--	27,000	130,000
Benzo(k)fluoranthene	<0.0617	0.0726	<0.0612	9	--	1,700	--	49	250
Chrysene	0.0885	0.282	<0.0612	88	--	17,000	--	160	800
Dibenzo(a,h)anthracene	<0.0617	<0.0481	<0.0612	0.09(2)/0.2(3)	--	17	--	2	7.6
Fluoranthene	0.1	0.322	<0.0612	3,100	--	82,000	--	4,300	21,000
Fluorene	<0.0617	<0.0481	<0.0612	3,100	--	82,000	--	560	2,800
Indeno(1,2,3-cd)pyrene	<0.0617	0.118	<0.0612	0.9	--	170	--	14	69
Naphthalene	<0.0617	<0.0481	<0.0612	1,600	170	4,100	1.8	12	18
Phenanthrene(1)	0.101	0.222	<0.0612	2,300	--	61,000	--	200	1,000
Pyrene	0.156	0.428	<0.0612	2,300	--	61,000	--	4,200	21,000

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized in place of default Tier 1 SRO for ingestion exposure route
(3) Background concentration for Chicago pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table H)

Table 5 Pioneer Soil Sample Analytical Results: Total RCRA 8 Metals

TABLE NO. 5 (1 of 4)
Soil Sample Analytical Results: RCRA 8 Metals
3434 West 51st Street / Chicago, Illinois

							Tier 1 Soil Remediation Objectives (Tier 1 SROs)												Background Concentration in Soils[1]
							Residential		Construction Worker		pH-Specific Migration to Groundwater Values								
											pH = 6.9 - 7.24		pH = 7.25 - 7.74		pH = 7.75 - 8.24		pH = 8.25 - 8.74		
Sample ID (Interval)	PB-1 (0-4)	PB-2 (0-4)	PB-3 (0-3)	PB-6 (0-3)	PB-7 (6-8)	PB-8 (4-8)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II	Class I	Class II	Class I	Class II	Metropolitan Areas
Collection	8/25/10	8/25/10	8/25/10	8/25/10	9/2/10	8/25/10													
pH	7.21	7.59	7.46	8.66	8.18	7.39													
Arsenic	21	27	17	21	13	11	13[2]	750	61	25,000	29	120	30	120	31	120	32	130	13.0
Barium	550	800	1400	270	120	57	5,500	690,000	14,000	870,000	1,700	1,700	1,800	1,800	2,100	2,100	--	--	110.0
Cadmium	13	20	5.7	44	0.65	< 0.59	78	1,800	200	59,000	11	110	59	590	430	4,300	--	--	0.60
Chromium	63	110	30	41	31	26	230	270	4,100	690	36	--	32	--	28	--	24	--	16.20
Lead	1,700	3,100	1,800	510	47	25	400	--	700	--	107	1,420	107	1,420	107	1,420	107	1,420	36.0
Mercury	2.6	4	0.59	2.8	0.16	< 0.03	23	10	61	0.1	3.3	16	6.4	32	8	40	--	--	0.06
Selenium	1.7	2.5	2.1	1.3	< 1.1	< 1.2	390	--	1,000	--	4.5	4.5	3.3	3.3	2.4	2.4	1.8	1.8	0.48
Silver	< 1.2	79	< 1	< 1.1	< 1.1	< 1.2	390	--	1,000	--	13	--	39	--	110	--	--	--	0.55

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 6020/7471A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A through D)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table G)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized as the Tier 1 SRO for ingestion exposure route

TABLE NO. 5 (2 of 4)
Soil Sample Analytical Results: RCRA 8 Metals
3434 West 51st Street / Chicago, Illinois

									Tier 1 Soil Remediation Objectives (Tier 1 SROs)										Background Concentration in Soils[1]
									Residential		Construction Worker		pH-Specific Migration to Groundwater Values						
													pH = 7.75 - 8.24		pH = 8.25 - 8.74		pH = 8.75 - 9.0		
Sample ID (Interval)	PB-10 (9-11)	PB12 (6-8)	PB-13 (0-4)	PB-16 (4-6)	PB-17 (6-8)	PB-18 (4-6)	PB-19 (4-6)	PB-20 (0-4)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II	Class I	Class II	Metropolitan Areas
Collection	9/2/10	9/2/10	8/25/10	9/2/10	9/2/10	9/2/10	9/2/10	9/27/10											
pH	8.92	8.21	7.88	8.61	8.27	9.21	8.61	9.20											
Arsenic	9.9	2.1	9.4	13	19	43	2.6	10.0	13[2]	750	61	25,000	31	120	32	130	33	130	13.0
Barium	83	11	85	71	52	78	58	86.5	5,500	690,000	14,000	870,000	2,100	2,100	--	--	--	--	110.0
Cadmium	< 0.53	< 0.61	1.4	0.72	0.58	0.96	< 0.59	1.8	78	1,800	200	59,000	430	4,300	--	--	--	--	0.60
Chromium	27	4.6	18	24	24	30	27	17.2	230	270	4,100	690	28	--	24	--	21	--	16.20
Lead	20	6.7	130	20	21	43	15	216	400	--	700	--	107	1,420	107	1,420	282	3,760	36.0
Mercury	0.037	< 0.03	0.11	0.036	< 0.03	0.042	< 0.03	0.11	23	10	61	0.1	8	40	--	--	--	--	0.06
Selenium	< 1.1	< 1.2	1.3	< 1.2	< 1.1	1.4	< 1.2	<2.3	390	--	1,000	--	2.4	2.4	1.8	1.8	1.3	1.3	0.48
Silver	< 1.1	< 1.2	< 1.3	< 1.2	< 1.1	< 1.2	< 1.2	<1.2	390	--	1,000	--	110	--	--	--	--	--	0.55

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 6020/7471A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A through D)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table G)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized as the Tier 1 SRO for ingestion exposure route

TABLE NO. 5 (3 of 4)
Soil Sample Analytical Results: RCRA 8 Metals
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-21 (0-4)	PB-22 (0-4)	PB-23 (0-4)	PB-24 (0-4)	PB-25 (0-4)	B-29 (0-4)	B-30 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)										Background Concentration in Soils[1]
								Residential		Construction Worker		pH-Specific Migration to Groundwater Values						
												pH = 7.75 - 8.24		pH = 8.25 - 8.74		pH = 8.75 - 9.0		
Collection	9/27/10	9/27/10	9/27/10	9/27/10	9/27/10	9/23/10	9/23/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II	Class I	Class II	Metropolitan Areas
pH	8.40	8.80	9.40	8.10	7.80	7.90	7.80											
Arsenic	15.4	11.8	2.3	23.9	<20.9	8.2	8.2	13[2]	750	61	25,000	31	120	32	130	33	130	13.0
Barium	94.5	62.9	15.1	1400	1080	117	46.1	5,500	690,000	14,000	870,000	2,100	2,100	--	--	--	--	110.0
Cadmium	8.1	0.92	<0.48	15.6	25.6	1.1	0.63	78	1,800	200	59,000	430	4,300	--	--	--	--	0.60
Chromium	10.0	23.7	4.9	109	328	18.1	23.9	230	270	4,100	690	28	--	24	--	21	--	16.20
Lead	1,500	40.7	4.3	2,420	2,960	85.9	14.3	400	--	700	--	107	1,420	107	1,420	282	3,760	36.0
Mercury	1.4	0.47	0.011	1.0	0.5	0.097	0.025	23	10	61	0.1	8	40	--	--	--	--	0.06
Selenium	<2.0	<2.2	<1.9	<2.4	<20.9	<2.1	<2.3	390	--	1,000	--	2.4	2.4	1.8	1.8	1.3	1.3	0.48
Silver	<1.0	<1.1	<0.96	2.7	2.1	<1.1	<1.2	390	--	1,000	--	110	--	--	--	--	--	0.55

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 6020/7471A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A through D)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table G)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized as the Tier 1 SRO for ingestion exposure route

TABLE NO. 5 (4 of 4)
Soil Sample Analytical Results: RCRA 8 Metals
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	B-31 (4-8)	B-32 (0-4)	B-33 (0-4)	PB-50 (0-4)	PB-51 (0-4)	PB-71 (0-4)	PB-72 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)										Background Concentration in Soils[1]
								Residential		Construction Worker		pH-Specific Migration to Groundwater Values						
												pH = 7.25 - 7.74		pH = 7.75 - 8.24		pH = 8.25 - 8.74		pH = 8.75 - 9.0	
Collection	9/23/10	9/23/10	9/23/10	10/13/10	10/13/10	10/18/10	10/18/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II	Class I	Class II	Class I	Class II	Metropolitan Areas
pH	7.50	10.1	7.80	8.58	8.99	8.51	7.54													
Arsenic	6.9	5.4	6.3	7.07	9.30	4.33	3.43	13[2]	750	61	25,000	30	120	31	120	32	130	33	130	13.0
Barium	89.3	121	127	43.8	79.6	41.6	85	5,500	690,000	14,000	870,000	1,800	1,800	2,100	2,100	--	--	--	--	110.0
Cadmium	0.84	0.90	1.2	1.08	1.81	<0.0750	0.818	78	1,800	200	59,000	59	590	430	4,300	--	--	--	--	0.60
Chromium	31.0	16.2	18.7	7.26	16.4	17.6	22.3	230	270	4,100	690	32	--	28	--	24	--	21	--	16.20
Lead	58.9	93.0	168	76	115	11	42.6	400	--	700	--	107	1,420	107	1,420	107	1,420	282	3,760	36.0
Mercury	0.056	0.057	0.22	0.289	0.22	<0.0224	0.0977	23	10	61	0.1	6.4	32	8	40	--	--	--	--	0.06
Selenium	<2.3	<2.1	<2.3	< 1.28	< 1.29	<1.30	<1.23	390	--	1,000	--	3.3	3.3	2.4	2.4	1.8	1.8	1.3	1.3	0.48
Silver	<1.1	<1.1	<1.1	< 0.0588	< 0.0594	<0.0600	<0.0566	390	--	1,000	--	39	--	110	--	--	--	--	--	0.55

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 6020/7471A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A through D)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table G)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized as the Tier 1 SRO for ingestion exposure route

Table 6 Pioneer Soil Sample Analytical Results: TCLP Individual Metals

TABLE NO. 6 (1 of 4)
Soil Sample Analytical Results: TCLP Lead
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-1 (0-4)	PB-2 (0-4)	PB-2A (5-7.5)	PB-2B (0-2.5)	PB-2B (2.5-5)	PB-2C (0-2.5)	PB-2D (0-2.5)	Maximum Allowable Concentration to Meet Hazardous Characteristic[1]
Collection Date	**8/25/10**	**8/25/10**	**9/24/10**	**9/24/10**	**9/24/10**	**9/24/10**	**9/24/10**	
Lead	2	**9.9**	< 0.015	**6.9**	0.97	2.3	2.9	5

Notes: Results listed in mg/L (parts per million)
EPA test method SW846, 1311/6020 & 1311/7470A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table A)
(1) Pursuant to 35 IAC 721.124 & 40 CFR 261.24

TABLE NO. 6 (2 of 4)
Soil Sample Analytical Results: TCLP Lead
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-2E (0-2.5)	PB-3 (0-3)	PB-3A (2.5-5)	PB-3A (5-7.5)	PB-3B (0-2.5)	PB-3B (2.5-5)	PB-3C (0-2.5)	Maximum Allowable Concentration to Meet Hazardous Characteristic[1]
Collection Date	**9/24/10**	**8/25/10**	**9/24/10**	**9/24/10**	**9/24/10**	**9/24/10**	**9/24/10**	
Lead	0.32	**11**	**6.3**	0.026	**60.9**	0.35	**13.7**	5

Notes: Results listed in mg/L (parts per million)
EPA test method SW846, 1311/6020 & 1311/7470A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table A)
(1) Pursuant to 35 IAC 721.124 & 40 CFR 261.24

TABLE NO. 6 (3 of 4)
Soil Sample Analytical Results: TCLP Lead
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-3C (2.5-5)	PB-3D (0-2.5)	PB-3D (2.5-5)	PB-3E (0-2.5)	PB-3E (2.5-5)	PB-3F (0-2.5)	PB-3H (0-2.5)	Maximum Allowable Concentration to Meet Hazardous Characteristic[1]
Collection Date	**9/24/10**	**9/24/10**	**9/24/10**	**9/24/10**	**9/24/10**	**9/28/10**	**9/28/10**	
Lead	0.17	**189**	0.012	**7.3**	1.0	1.8	0.58	5

Notes: Results listed in mg/L (parts per million)
EPA test method SW846, 1311/6020 & 1311/7470A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table A)
(1) Pursuant to 35 IAC 721.124 & 40 CFR 261.24

TABLE NO. 6 (4 of 4)
Soil Sample Analytical Results: TCLP Lead & Chromium
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-3I (0-2.5)	PB-6I (0-2.5)	PB-21 (0-4)	PB-24 (0-4)	PB-25 (0-4)	PB-44 (0-4)	PB-47 (0-4)	Maximum Allowable Concentration to Meet Hazardous Characteristic[1]
Collection Date	**9/28/10**	**9/28/10**	**9/27/10**	**9/27/10**	**9/27/10**	**10/13/10**	**10/13/10**	
Lead	0.015	0.18	0.68	1.7	0.8	0.19	0.68	5
Chromium	--	--	--	--	< 0.05	--	--	5

Notes: Results listed in mg/L (parts per million)
EPA test method SW846, 1311/6020 & 1311/7470A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table A)
(1) Pursuant to 35 IAC 721.124 & 40 CFR 261.24

Table 7 Pioneer Soil Sample Analytical Results: Total Lead

TABLE NO. 7 (1 of 3)
Soil Sample Analytical Results: RCRA 8 Metals
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-34 (0-4)	PB-35 (0-4)	PB-36 (0-4)	PB-37 (0-4)	PB-38 (0-4)	PB-39 (0-4)	PB-40 (0-4)	PB-41 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)			
									Residential		Construction Worker	
Collection	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10	10/12/10	Ingestion	Inhalation	Ingestion	Inhalation
Lead	182	141	31.2	27.6	31.6	39.2	**435**	137	400	--	700	--

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 6020/7471A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A through D)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table G)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized as the Tier 1 SRO for ingestion exposure route

TABLE NO. 7 (2 of 3)
Soil Sample Analytical Results: RCRA 8 Metals
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-42 (0-4)	PB-43 (0-4)	PB-44 (0-4)	PB-45 (0-4)	PB-46 (0-4)	PB-47 (0-4)	PB-48 (0-4)	PB-49 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)			
									Residential		Construction Worker	
Collection	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	10/13/10	Ingestion	Inhalation	Ingestion	Inhalation
Lead	109	**464**	**1,830**	129	89.9	**1,190**	310	390	400	--	700	--

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 6020/7471A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A through D)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table G)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized as the Tier 1 SRO for ingestion exposure route

TABLE NO. 7 (3 of 3)
Soil Sample Analytical Results: RCRA 8 Metals
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-62 (0-4)	PB-63 (0-4)	PB-64 (0-4)	PB-65 (0-4)	PB-66 (0-4)	PB-68 (0-4)	PB-74 (0-4)	PB-75 (0-4)	PB-76 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)			
										Residential		Construction Worker	
Collection	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10	10/15/10	10/18/10	10/25/10	10/25/10	Ingestion	Inhalation	Ingestion	Inhalation
Lead	22.5	98.6	335	30.7	27.8	46.9	65.3	47.7	19.4	400	--	700	--

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 6020/7471A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A through D)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table G)
(2) Pursuant to 35 IAC 742, the background concentration may be utilized as the Tier 1 SRO for ingestion exposure route

Table 8 Pioneer Soil Sample Analytical Results: TPH

TABLE NO. 8 Soil Sample Analytical Results: TPH 3434 West 51st Street / Chicago, Illinois				Default Soil Attenuation Capacity[1]	
Sample ID (Interval)	**PB-35 (0-4)**	**PB-50 (0-4)**	**PB-56 (0-2.5)**	**Subsurface Soils[2]**	**Surface Soils[3]**
Collection Date	**10/12/10**	**10/13/10**	**10/14/10**		
TPH	115	125	**29,300**	2,000	6,000

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8015M
Shaded/Bolded cell indicates value exceeds the Default Attenuation Capacity
"<" indicates not detected at stated detection limits
"--" indicates value not available
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ERO = Extended (oil) Range Organics
TPH = Total Petroleum Hydrocarbons
(1) Pursuant to 35 IAC 742.215(b)(1)(A)
(2) soils below one meter of the surface
(3) soils within the top meter of the surface

Table 9 Pioneer Soil Sample Analytical Results: TCL Metals

TABLE NO. 9
Soil Sample Analytical Results: TCL Metals
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-69 (0-4)	PB-70 (0-4)	PB-73 (0-4)	PB-75 (4-8)	PB-76 (4-8)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)								Background Concentration in Soils[1]
						Residential		Construction Worker		pH-Specific Migration to Groundwater Values				
										pH = 8.25 - 8.74		pH = 8.75 - 9.0		
Collection	10/18/10	10/18/10	10/18/10	10/25/10	10/25/10	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II	Class I	Class II	Metropolitan Areas
pH	**9.66**	**8.25**	**9.22**	**9.22**	**8.76**									
Aluminum[2]	7330	6950	6170	10700	10500	78,000	1,000,000	410,000	870,000	--	--	--	--	9,500
Antimony	8.17	14.3	12.5	3.19	2.7	31	--	82	--	5	20	5	20	4
Arsenic	**17**	**14.9**	**13.2**	5.12	5.64	13[3]	750	61	25,000	32	130	33	130	13
Barium	126	720	185	35.6	41.9	5,500	690,000	14,000	870,000	--	--	--	--	110
Beryllium	0.177	0.288	0.425	0.351	0.367	160	1,300	410	44,000	--	--	--	--	0.59
Cadmium	3.43	21.9	1.23	0.168	<0.0714	78	1,800	200	59,000	--	--	--	--	0.6
Calcium	105000	52000	27600	32000	61000	--[4]	--	--[4]	--	--	--	--	--	9,300
Chromium	30	83.3	16.4	15.6	15.1	230	270	4,100	690	24	--	21	--	16.2
Cobalt	7.22	16.3	6.24	8.07	9.2	4,700	--	12,000	--	--	--	--	--	8.9
Copper	336	538	111	28.9	25.4	2,900	--	8,200	--	--	--	--	--	19.6
Cyanide	<0.012	<0.012	0.017	<0.12	<0.12	1,600	--	4,100	--	40	120	40	120	0.5
Iron[2]	16600	22000	18800	13600	12900	55,000	--	140,000	--	--	--	--	--	15,900
Lead	313	**1,970**	333	17.6	13	400	--	700	--	107	1,420	282	3,760	36
Magnesium	12800	10200	8070	9360	9960	325,000	--	730,000	--	--	--	--	--	4,820
Manganese	387	607	307	280	499	1,600	69,000	4,100	8,700	--	--	--	--	636
Mercury	1.27	0.119	0.248	0.0527	0.0607	23	10	61	0.1	--	--	--	--	0.06
Nickel	30.2	79	23.4	24.8	23.7	1,600	13,000	4,100	440,000	--	--	--	--	18
Potassium	925	1020	1060	1990	1850	--[4]	--	--[4]	--	--		--		1,268
Selenium	<1.29	<1.20	<1.25	<1.23	<1.24	390	--	1,000	--	1.8	1.8	1.3	1.3	0.48
Silver	<0.0594	1.09	<0.0577	<0.0566	<0.0571	390	--	1,000	--	--	--	--	--	0.55
Sodium	266	726	584	497	655	--[4]	--	--[4]	--	--	--	--	--	130
Thallium	0.829	0.481	0.457	<0.420	<0.424	6.3	--	160	--	4.4	44	4.9	49	0.32
Vanadium	14.2	21.7	19.2	20	19.6	550	--	1,400	--	980	--	980	--	25.2
Zinc	645	3840	369	48.1	40.7	23,000	--	61,000	--	--	--	--	--	95

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 6020/7471A/9012A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A through D)
(1) Pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix A, Table G)
(2) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(3) Pursuant to 35 IAC 742 the background concentration may be utilized as the Tier 1 SRO for ingestion exposure route
(4) Chemical-specific properties are such that this route is not of concern at any soil contaminant concentration

Table 10 Pioneer Soil Sample Analytical Results: Pesticides

TABLE NO. 10
Soil Sample Analytical Results: Pesticides
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-66 (4-8)	PB-69 (0-4)	PB-70 (0-4)	PB-70 (5-7.5)	PB-73 (0-4)	PB-75 (4-8)	PB-76 (4-8)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
								Residential		Construction Worker		Migration to Groundwater	
Collection Date	**10/15/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/18/10**	**10/25/10**	**10/25/10**	**Ingestion**	**Inhalation**	**Ingestion**	**Inhalation**	**Class I**	**Class II**
4,4'-DDD	<0.00204	0.24	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	3	--	520	--	16	80
4,4'-DDE	<0.00204	<0.0206	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	2	--	370	--	54	270
4,4'-DDT	<0.00204	<0.0206	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	2	--	100	2,100	32	160
Aldrin	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	0.04	3	6.1	9.3	0.5	2.5
alpha-BHC (a-HCH)	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	0.1	0.8	20	2.1	0.0005	0.003
alpha-Chlordane	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	--	--	--	--	--	--
b-BHC	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	--	--	--	--	--	--
Chlordane	<0.0203	<0.205	<0.197	<0.0202	<0.206	<0.0206	<0.0203	1.8	72	100	22	10	48
d-BHC	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	--	--	--	--	--	--
Dieldrin	<0.00204	<0.0206	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	0.04	1	7.8	3.1	0.004	0.02
Endosulfan I	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	--	--	--	--	--	--
Endosulfan II	<0.00204	<0.0206	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	--	--	--	--	--	--
Endosulfan Sulfate	<0.00204	<0.0206	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	--	--	--	--	--	--
Endrin	<0.00204	<0.0206	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	23	--	61	--	1	5
Endrin aldehyde	<0.00204	<0.0206	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	--	--	--	--	--	--
Endrin ketone	<0.00204	<0.0206	<0.0198	<0.00203	<0.0208	<0.00207	<0.00204	--	--	--	--	--	--
g-BHC (Lindane)	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	0.5	--	96	--	0.009	0.047
g-Chlordane	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	--	--	--	--	--	--
Heptachlor	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	0.1	0.1	28	16	23	110
Heptachlor epoxide	<0.00102	<0.0103	<0.00990	<0.00101	<0.0104	<0.00103	<0.00102	0.07	5	2.7	13	0.7	3.3
Methoxychlor	<0.0102	<0.103	<0.0990	<0.0101	<0.104	<0.0103	<0.0102	390	--	1,000	--	160	780
Toxaphene	<0.0406	<0.411	<0.396	<0.0405	<0.414	<0.0413	<0.0408	0.6	89	110	240	31	150

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8081
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)

Table 11 Pioneer Soil Sample Analytical Results: SVOCs

TABLE NO. 11 (1 of 2)
Soil Sample Analytical Results: SVOCs
3434 West 51st Street / Chicago, Illinois

Sample ID (Interval)	PB-66 (4-8)	PB-69 (0-4)	PB-70 (0-4)	PB-70 (5-7.5)	PB-73 (0-4)	Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
						Residential		Construction Worker		Migration to Groundwater	
						Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/15/10	10/18/10	10/18/10	10/18/10	10/18/10						
1,2-Dichlorobenzene	<0.305	<0.309	<0.596	<0.304	<0.311	7,000	560	18,000	310	17	43
1,2,4-Trichlorobenzene	<0.305	<0.309	<0.596	<0.304	<0.311	780	3,200	2,000	920	5	53
1,3-Dichlorobenzene	<0.305	<0.309	<0.596	<0.304	<0.311	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.305	<0.309	<0.596	<0.304	<0.311	--	11,000	--	340	2	11
2-Chloronaphthalene(1)	<0.305	<0.309	<2.98	<0.304	<0.311	6,300	--	160,000	--	49	240
2-Chlorophenol	<0.305	<0.309	<0.596	<0.304	<0.311	390	53,000	10,000	53,000	4	20
2-Methylnaphthalene	<0.305	<0.309	<2.98	<0.304	<0.311	--	--	--	--	--	--
2-Methylphenol	<0.305	<0.309	<0.596	<0.304	<0.311	3,900	--	100,000	--	15	15
2-Nitroaniline(1)	<0.305	<0.309	<2.98	<0.304	<0.311	230	35	610	3.6	0.14	0.14
2-Nitrophenol	<0.305	<0.309	<0.596	<0.304	<0.311	--	--	--	--	--	--
2, 2'-oxybis(1-chloropropane)	<0.305	<0.309	<0.596	<0.304	<0.311	--	--	--	--	--	--
2,4-Dichlorophenol	<0.305	<0.309	<0.596	<0.304	<0.311	230	--	610	--	1	1
2,4-Dimethylphenol	<0.305	<0.309	<0.596	<0.304	<0.311	1,600	--	41,000	--	9	9
2,4-Dinitrophenol	<0.305	<0.309	<2.98	<0.304	<0.311	160	--	410	--	0.2	0.2
2,4-Dinitrotoluene	<0.305	<0.309	<2.98	<0.304	<0.311	0.9	--	180	--	0.0008	0.0008
2,4,5-Trichlorophenol	<0.305	<0.309	<2.98	<0.304	<0.311	7,800	--	200,000	--	270	1,400
2,4,6-Trichlorophenol	<0.305	<0.309	<2.98	<0.304	<0.311	58	200	11,000	540	0.2	0.77
2,6-Dinitrotoluene	<0.305	<0.309	<2.98	<0.304	<0.311	0.9	--	180	--	0.0007	0.0007
3-Nitroaniline(1)	<0.305	<0.309	<2.98	<0.304	<0.311	23	250	61	26	0.01	0.01
3,3'-Dichlorobenzidine	<0.305	<0.309	<0.596	<0.304	<0.311	1	--	280	--	0.007	0.033
4-Bromophenyl-phenyl ether	<0.305	<0.309	<2.98	<0.304	<0.311	--	--	--	--	--	--
4-Chloro-3-methylphenol	<0.305	<0.309	<0.596	<0.304	<0.311	--	--	--	--	--	--
4-Chloroaniline	<0.305	<0.309	<0.596	<0.304	<0.311	310	--	820	--	0.7	0.7
4-Chlorophenyl-phenyl ether	<0.305	<0.309	<2.98	<0.304	<0.311	--	--	--	--	--	--
4-Methylphenol(1)	<0.305	<0.309	<0.596	<0.304	<0.311	390	--	1,000	--	0.20	0.20
4-Nitroaniline(1)	<0.305	<0.309	<2.98	<0.304	<0.311	230	1,000	610	110	0.1	0.1
4-Nitrophenol	<0.305	<0.309	<2.98	<0.304	<0.311	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol(1)	<0.305	<0.309	<2.98	<0.304	<0.311	7.8	--	820	--	0.0031(2)	0.0031(2)
Bis(2-chloroethoxy)methane	<0.305	<0.309	<0.596	<0.304	<0.311	--	--	--	--	--	--
Bis(2-chloroethyl)ether	<0.305	<0.309	<0.596	<0.304	<0.311	0.6	0.2	75	0.66	0.0004	0.0004
Bis(2-ethylhexyl)phthalate	<0.305	<0.309	4.51	<0.304	<0.311	46	31,000	4,100	31,000	3,600	31,000
Butylbenzylphthalate	<0.305	<0.309	<0.596	<0.304	<0.311	16,000	930	410,000	930	930	930
Carbazole	<0.305	<0.309	<2.98	<0.304	<0.311	32	--	6,200	--	0.6	2.8
Di-n-butylphthalate	<0.305	<0.309	<2.98	<0.304	<0.311	7,800	2,300	200,000	2,300	2,300	2,300
Di-n-octylphthalate	<0.305	<0.309	<0.596	<0.304	<0.311	1,600	10,000	4,100	10,000	10,000	10,000
Dibenzofuran(1)	<0.305	<0.309	<2.98	<0.304	<0.311	--	--	820	--	--	--
Diethylphthalate	<0.305	<0.309	<2.98	<0.304	<0.311	63,000	2,000	1,000,000	2,000	470	470
Dimethylphthalate	<0.305	<0.309	<2.98	<0.304	<0.311	--	--	--	--	--	--
Hexachlorobenzene	<0.305	<0.309	<2.98	<0.304	<0.311	0.4	1	78	2.6	2	11
Hexachlorobutadiene(1)	<0.305	<0.309	<0.596	<0.304	<0.311	78	150	200	72	2.2	11
Hexachlorocyclopentadiene	<0.305	<0.309	<2.98	<0.304	<0.311	550	10	14,000	1.1	400	2,200
Hexachloroethane	<0.305	<0.309	<0.596	<0.304	<0.311	78	--	2,000	--	0.5	2.6
Isophorone	<0.305	<0.309	<0.596	<0.304	<0.311	15,600	4,600	410,000	4,600	8	8
N-Nitroso-di-n-propylamine	<0.305	<0.309	<0.596	<0.304	<0.311	0.09	--	18	--	0.00005	0.00005
N-Nitrosodiphenylamine	<0.305	<0.309	<2.98	<0.304	<0.311	130	--	25,000	--	1	5.6
Nitrobenzene	<0.0610	<0.0618	<0.119	<0.0609	<0.0621	39	92	1,000	9.4	0.1	0.1
Pentachlorophenol	<0.305	<0.309	<2.98	<0.304	<0.311	3	--	520	--	0.03	0.14
Phenol	<0.305	<0.309	<0.596	<0.304	<0.311	23,000	--	61,000	--	100	100

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Most stringent pH-Specific value

TABLE NO. 11 (2 of 2) Soil Sample Analytical Results: SVOCs 3434 West 51st Street / Chicago, Illinois			Tier 1 Soil Remediation Objectives (Tier 1 SROs)					
			Residential		Construction Worker		Migration to Groundwater	
Sample ID (Interval)	PB-75 (4-8)	PB-76 (4-8)	Ingestion	Inhalation	Ingestion	Inhalation	Class I	Class II
Collection Date	10/25/10	10/25/10						
1,2-Dichlorobenzene	<0.308	<0.306	7,000	560	18,000	310	17	43
1,2,4-Trichlorobenzene	<0.308	<0.306	780	3,200	2,000	920	5	53
1,3-Dichlorobenzene	<0.308	<0.306	--	--	--	--	--	--
1,4-Dichlorobenzene	<0.308	<0.306	--	11,000	--	340	2	11
2-Chloronaphthalene(1)	<0.308	<0.306	6,300	--	160,000	--	49	240
2-Chlorophenol	<0.308	<0.306	390	53,000	10,000	53,000	4	20
2-Methylnaphthalene	<0.308	<0.306	--	--	--	--	--	--
2-Methylphenol	<0.308	<0.306	3,900	--	100,000	--	15	15
2-Nitroaniline(1)	<0.308	<0.306	230	35	610	3.6	0.14	0.14
2-Nitrophenol	<0.308	<0.306	--	--	--	--	--	--
2, 2'-oxybis(1-chloropropane)	<0.308	<0.306	--	--	--	--	--	--
2,4-Dichlorophenol	<0.308	<0.306	230	--	610	--	1	1
2,4-Dimethylphenol	<0.308	<0.306	1,600	--	41,000	--	9	9
2,4-Dinitrophenol	<0.308	<0.306	160	--	410	--	0.2	0.2
2,4-Dinitrotoluene	<0.308	<0.306	0.9	--	180	--	0.0008	0.0008
2,4,5-Trichlorophenol	<0.308	<0.306	7,800	--	200,000	--	270	1,400
2,4,6-Trichlorophenol	<0.308	<0.306	58	200	11,000	540	0.2	0.77
2,6-Dinitrotoluene	<0.308	<0.306	0.9	--	180	--	0.0007	0.0007
3-Nitroaniline(1)	<0.308	<0.306	23	250	61	26	0.01	0.01
3,3'-Dichlorobenzidine	<0.308	<0.306	1	--	280	--	0.007	0.033
4-Bromophenyl-phenyl ether	<0.308	<0.306	--	--	--	--	--	--
4-Chloro-3-methylphenol	<0.308	<0.306	--	--	--	--	--	--
4-Chloroaniline	<0.308	<0.306	310	--	820	--	0.7	0.7
4-Chlorophenyl-phenyl ether	<0.308	<0.306	--	--	--	--	--	--
4-Methylphenol(1)	<0.308	<0.306	390	--	1,000	--	0.20	0.20
4-Nitroaniline(1)	<0.308	<0.306	230	1,000	610	110	0.1	0.1
4-Nitrophenol	<0.308	<0.306	--	--	--	--	--	--
4,6-Dinitro-2-methylphenol(1)	<0.308	<0.306	7.8	--	820	--	0.0031(2)	0.0031(2)
Bis(2-chloroethoxy)methane	<0.308	<0.306	--	--	--	--	--	--
Bis(2-chloroethyl)ether	<0.308	<0.306	0.6	0.2	75	0.66	0.0004	0.0004
Bis(2-ethylhexyl)phthalate	<0.308	<0.306	46	31,000	4,100	31,000	3,600	31,000
Butylbenzylphthalate	<0.308	<0.306	16,000	930	410,000	930	930	930
Carbazole	<0.308	<0.306	32	--	6,200	--	0.6	2.8
Di-n-butylphthalate	<0.308	<0.306	7,800	2,300	200,000	2,300	2,300	2,300
Di-n-octylphthalate	<0.308	<0.306	1,600	10,000	4,100	10,000	10,000	10,000
Dibenzofuran(1)	<0.308	<0.306	--	--	820	--	--	--
Diethylphthalate	<0.308	<0.306	63,000	2,000	1,000,000	2,000	470	470
Dimethylphthalate	<0.308	<0.306	--	--	--	--	--	--
Hexachlorobenzene	<0.308	<0.306	0.4	1	78	2.6	2	11
Hexachlorobutadiene(1)	<0.308	<0.306	78	150	200	72	2.2	11
Hexachlorocyclopentadiene	<0.308	<0.306	550	10	14,000	1.1	400	2,200
Hexachloroethane	<0.308	<0.306	78	--	2,000	--	0.5	2.6
Isophorone	<0.308	<0.306	15,600	4,600	410,000	4,600	8	8
N-Nitroso-di-n-propylamine	<0.308	<0.306	0.09	--	18	--	0.00005	0.00005
N-Nitrosodiphenylamine	<0.308	<0.306	130	--	25,000	--	1	5.6
Nitrobenzene	<0.0617	<0.0612	39	92	1,000	9.4	0.1	0.1
Pentachlorophenol	<0.308	<0.306	3	--	520	--	0.03	0.14
Phenol	<0.308	<0.306	23,000	--	61,000	--	100	100

Notes: Results listed in mg/kg (parts per million)
EPA test method SW846, 8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Tables A & B)
(1) SROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Most stringent pH-Specific value

Table 12 Pioneer Soil Sample Analytical Results: TCLP RCRA 8 Metals

TABLE NO. 12 Soil Sample Analytical Results: TCLP RCRA 8 Metals 3434 West 51st Street / Chicago, Illinois			Tier 1 Soil Remediation Objectives (Tier 1 SROs) Migration to Groundwater		Maximum Allowable Concentration to Meet Hazardous Characteristic[1]
Sample ID (Interval)	**PB-70 (0-4)**	**PB-73 (0-4)**	**Class I**	**Class II**	
Collection Date	**10/18/10**	**10/18/10**			
Arsenic	<0.020	<0.020	0.05	0.2	5
Barium	**3**	1	2	2	100
Cadmium	0.085	0.0027	0.005	0.05	1
Chromium	0.015	<0.0050	0.1	1.0	5
Lead	**1.9**	0.071	0.0075	0.1	5
Mercury	<0.0002	<0.0002	0.002	0.01	0.2
Selenium	<0.025	<0.025	0.05	0.05	1
Silver	<0.0020	<0.0020	0.05	--	5

Notes: Results listed in mg/L (parts per million)
EPA test method SW846, 1311/6020 & 1311/7470A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 SRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
SROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table A)
(1) Pursuant to 35 IAC 721.124 & 40 CFR 261.24

Table 13 Pioneer Groundwater Sample Analytical Results: VOCs

TABLE NO. 13 Groundwater Sample Analytical Results: VOCs 3434 West 51st Street / Chicago, Illinois						Tier 1 Groundwater Remediation Objectives (Tier 1 GROs)	
Sample ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**Class I**	**Class II**
Collection Date	**10/28/10**	**10/28/10**	**10/28/10**	**11/11/10**	**11/11/10**		
1,1,1-Trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	0.2	1
1,1,2,2-Tetrachloroethane(1)	<0.001	<0.001	<0.001	<0.001	<0.001	0.42	0.42
1,1,2-Trichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	0.05
1,1-Dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	0.7	3.5
1,1-Dichloroethene	<0.001	<0.001	<0.001	<0.001	<0.001	0.007	0.035
1,2-Dichloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	0.025
1,2-Dichloropropane	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	0.025
2-Butanone (MEK)	<0.010	<0.010	<0.010	<0.010	<0.010	--	--
2-Hexanone	<0.025	<0.025	<0.025	<0.025	<0.025	--	--
4-Methyl-2-pentanone (MIBK)	<0.025	<0.025	<0.025	<0.025	<0.025	--	--
Acetone	<0.025	<0.025	<0.025	<0.025	<0.025	6.3	6.3
Benzene	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	0.025
Bromodichloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	0.0002	0.0002
Bromoform	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.001
Bromomethane (Methyl Bromide)	<0.001	<0.001	<0.001	<0.001	<0.001	0.0098	0.049
Carbon Disulfide	<0.001	<0.001	<0.001	<0.001	<0.001	0.7	3.5
Carbon Tetrachloride	<0.001	<0.001	<0.001	<0.001	<0.001	0.005	0.025
Chlorobenzene	<0.001	<0.001	<0.001	<0.001	<0.001	0.1	0.5
Chloroethane	<0.001	<0.001	<0.001	<0.001	<0.001	--	--
Chloroform	<0.001	<0.001	<0.001	<0.001	<0.001	0.0002	0.001
Chloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	--	--
cis-1,2-Dichloroethene	<0.001	<0.001	0.007	<0.00100	<0.001	0.07	0.2
1,3-Dichloropropene (cis + trans)	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	0.005
Dibromochloromethane	<0.001	<0.001	<0.001	<0.001	<0.001	0.14	0.14
Ethylbenzene	<0.001	<0.001	<0.001	<0.001	<0.001	0.7	1
Methyl Tertiary-Butyl Ether	<0.001	<0.001	<0.001	<0.001	<0.001	0.07	0.07
Methylene Chloride	<0.005	<0.005	<0.005	<0.005	<0.005	0.005	0.05
Styrene	<0.001	<0.001	<0.001	<0.001	<0.001	0.1	0.5
Tetrachloroethene	<0.001	<0.001	<0.001	<0.00100	0.002	0.005	0.025
Toluene	<0.001	<0.001	<0.001	<0.001	<0.001	1	2.5
Total Xylenes	<0.002	<0.002	<0.002	<0.002	<0.002	10	10
trans-1,2-Dichloroethene	<0.001	<0.001	<0.001	<0.001	<0.001	0.1	0.5
Trichloroethene	<0.001	<0.001	<0.001	<0.00100	<0.001	0.005	0.025
Vinyl Chloride	<0.001	<0.001	0.008	<0.001	<0.001	0.002	0.01

Notes: Results in mg/L (parts per million)
EPA test method SW846, 5030B/8260B
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 GRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
GROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table E)
(1) GROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)

Table 14 Pioneer Groundwater Sample Analytical Results: PNAs

TABLE NO. 14 Groundwater Sample Analytical Results: PNAs 3434 West 51st Street / Chicago, Illinois						Tier 1 Groundwater Remediation Objectives (Tier 1 GROs)	
Sample ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**Class I**	**Class II**
Collection Date	**10/28/10**	**10/28/10**	**10/28/10**	**11/11/10**	**11/11/10**		
Acenaphthene	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.42	2.1
Acenaphthylene(1)	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.21	1.05
Anthracene	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	2.1	10.5
Benzo(a)anthracene	<0.000100	<0.000100	<0.000100	<0.000100	0.000171	0.00013	0.00065
Benzo(a)pyrene	<0.000100	<0.000100	<0.000100	<0.000100	0.000126	0.0002	0.002
Benzo(b)fluoranthene	<0.000100	<0.000100	<0.000100	<0.000100	0.000137	0.00018	0.0009
Benzo(g,h,i)perylene(1)	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.21	1.05
Benzo(k)fluoranthene	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.00017	0.00085
Chrysene	<0.000100	<0.000100	<0.000100	<0.000100	0.000171	0.0015	0.0075
Dibenzo(a,h)anthracene	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.0003	0.0015
Fluoranthene	<0.000100	<0.000100	<0.000100	0.000130	0.000281	0.28	1.4
Fluorene	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.28	1.4
Indeno(1,2,3-cd)pyrene	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.00043	0.00215
Naphthalene	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.14	0.22
Phenanthrene(1)	<0.000100	<0.000100	0.000160	0.000117	0.000240	0.21	1.05
Pyrene	<0.000100	<0.000100	<0.000100	<0.000100	0.000230	0.21	1.05

Notes: Results in mg/L (parts per million)
EPA test method SW846, 3510C/8270C-SIM
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 GRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
GROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table E)
(1) GROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)

Table 15 Pioneer Groundwater Sample Analytical Results: SVOCs

TABLE NO. 15 Groundwater Sample Analytical Results: SVOCs 3434 West 51st Street / Chicago, Illinois						Tier 1 Groundwater Remediation Objectives (Tier 1 GROs)	
Sample ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**Class I**	**Class II**
Collection Date	**10/28/10**	**10/28/10**	**10/28/10**	**11/11/10**	**11/11/10**		
1,2,4-Trichlorobenzene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.07	0.7
1,2-Dichlorobenzene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.6	1.5
1,3-Dichlorobenzene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
1,4-Dichlorobenzene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.075	0.375
2, 2'-oxybis(1-Chloropropane)(1)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.28	0.28
2,4,5-Trichlorophenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.7(2)	3.5(2)
2,4,6-Trichlorophenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.01(2)	0.01(2)
2,4-Dichlorophenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.021	0.021
2,4-Dimethylphenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.14	0.14
2,4-Dinitrophenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.014	0.014
2,4-Dinitrotoluene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.00002	0.00002
2,6-Dinitrotoluene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.00031	0.00031
2-Chloronaphthalene(1)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.56	2.8
2-Chlorophenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.035(2)	0.035(2)
2-Methylnaphthalene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
2-Methylphenol (o-Cresol)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.35	0.35
2-Nitroaniline(1)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.021	0.021
2-Nitrophenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
3,3'-Dichlorobenzidine	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.02	0.1
3,4-Methylphenol (m,p-Cresol)(1)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.035(3)	0.035(3)
3-Nitroaniline(1)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0021	0.0021
4,6-Dinitro-2-methylphenol(1)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0007	0.0007
4-Bromophenylphenylether	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
4-Chloro-3-methylphenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
4-Chloroaniline	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.028	0.028
4-Chlorophenylphenylether	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
4-Nitroaniline(1)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.021	0.021
4-Nitrophenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
Bis(2-chloroethoxy)methane	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
Bis(2-chloroethyl)ether	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.01	0.01
Bis(2-ethylhexyl)phthalate	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.006	0.06
Butylbenzylphthalate	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	1.4	7
Carbazole	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
Dibenzofuran	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
Diethyl phthalate	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	5.6	5.6
Dimethyl phthalate	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	--	--
Di-n-butyl phthalate	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.7	3.5
Di-n-octyl phthalate	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.14	0.7
Hexachlorobenzene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.00006	0.0003
Hexachlorobutadiene(1)	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.007	0.035
Hexachlorocyclopentadiene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.05	0.5
Hexachloroethane	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.007	0.035
Isophorone	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	1.4	1.4
Nitrobenzene	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0035	0.0035
N-Nitrosodi-n-propylamine	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0018	0.0018
N-Nitrosodiphenylamine	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0032	0.016
Pentachlorophenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.001	0.005
Phenol	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.1	0.1

Notes: Results in mg/L (parts per million)
EPA test method SW846, 3510C/8270C
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 GRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
GROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table E)
(1) GROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)
(2) Most stringent pH-Specific value
(3) The laboratory is currently unable to separate the 3- and 4- Methylphenol isomers; therefore, a combined 3,4-Methylphenol result is reported, and the more stringent Non-TACO objectives for 4,-Methylphenol are provided for comparison.

Table 16 Pioneer Groundwater Sample Analytical Results: TCL Metals

TABLE NO. 16 Groundwater Sample Analytical Results: TCL Metals 3434 West 51st Street / Chicago, Illinois						Tier 1 Groundwater Remediation Objectives (Tier 1 GROs)	
Sample ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**Class I**	**Class II**
Collection Date	**10/28/10**	**10/28/10**	**10/28/10**	**11/11/10**	**11/11/10**		
Aluminum[1]	0.198	0.125	0.0389	0.0790	0.871	3.5	5
Antimony	0.00706	0.00399	0.00625	0.00194	0.00277	0.006	0.024
Arsenic	<0.0200	<0.0200	<0.0200	< 0.0200	< 0.0200	0.05	0.2
Barium	0.0800	0.0815	0.112	0.0779	0.073	2	2
Beryllium	<0.00250	<0.00250	<0.00250	<0.00250	<0.00250	0.004	0.5
Cadmium	<0.00100	<0.00100	<0.00100	< 0.00100	< 0.00100	0.005	0.05
Calcium	107	218	298	369	451	--	--
Chromium	0.00551	0.00508	<0.00500	< 0.00500	0.00533	0.1	1
Cobalt	<0.00909	0.00967	0.0146	0.0107	0.0147	1	1
Copper	0.0109	0.00313	0.00550	0.00528	0.0111	0.65	0.65
Cyanide	<0.01	<0.01	<0.01	<0.01	<0.01	0.2	0.6
Iron	0.227	0.133	0.0230	0.0253	0.971	5	5
Lead	0.00505	0.00233	0.00080	0.00018	0.00114	0.0075	0.1
Magnesium	32.7	92.2	124	154	221	--	--
Manganese	0.456	0.553	0.767	0.829	1.09	0.15	10
Mercury	<0.0002	<0.0002	<0.0002	< 0.0002	< 0.0002	0.002	0.01
Nickel	0.0188	0.0285	0.0500	0.0493	0.0521	0.1	2
Potassium	12.4	18.4	18.1	23.0	29.9	--	--
Selenium	<0.0250	<0.0250	<0.0250	< 0.0250	< 0.0250	0.05	0.05
Silver	<0.00200	<0.00200	<0.00200	< 0.00200	< 0.00200	0.05	--
Sodium	210	53.6	251	178	214	--	--
Thallium	0.00053	0.00034	0.00072	0.00067	0.00038	0.002	0.02
Vanadium	0.00329	<0.00259	<0.00259	<0.00259	<0.00259	0.049	0.1
Zinc	0.324	0.0477	0.0440	<0.0150	<0.0150	5	10

Notes: Results in mg/L (parts per million)
EPA test method SW846, 3005A/6020, 7470A, 9012A
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 GRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
GROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table E)
(1) GROs for Non-TACO Chemicals provided by IEPA Toxicity Assessment Unit (January 6, 2009)

Table 17 Pioneer Soil Sample Analytical Results: PCBs

TABLE NO. 17 Groundwater Sample Analytical Results: PCBs 3434 West 51st Street / Chicago, Illinois						Tier 1 Groundwater Remediation Objectives (Tier 1 GROs)	
Sample ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**Class I**	**Class II**
Collection Date	**10/28/10**	**10/28/10**	**10/28/10**	**11/11/10**	**11/11/10**		
Aroclor 1016	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.0005	0.0025
Aroclor 1221	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.0005	0.0025
Aroclor 1232	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.0005	0.0025
Aroclor 1242	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.0005	0.0025
Aroclor 1248	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.0005	0.0025
Aroclor 1254	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.0005	0.0025
Aroclor 1260	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.0005	0.0025

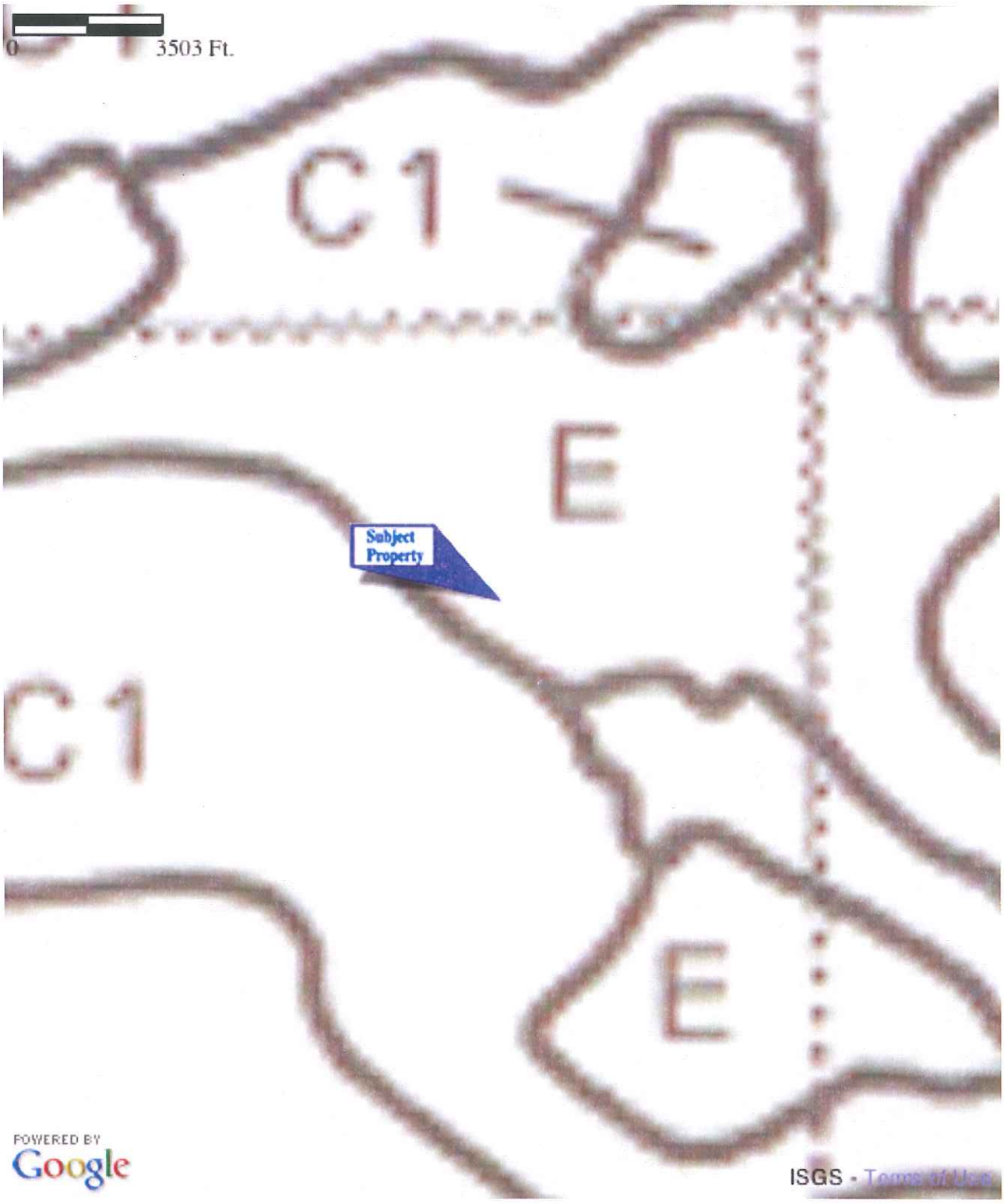
Notes: Results in mg/L (parts per million)
EPA test method SW846, 3510C/8082
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 GRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
GROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table E)

Table 18 Pioneer Groundwater Sample Analytical Results: Pesticides

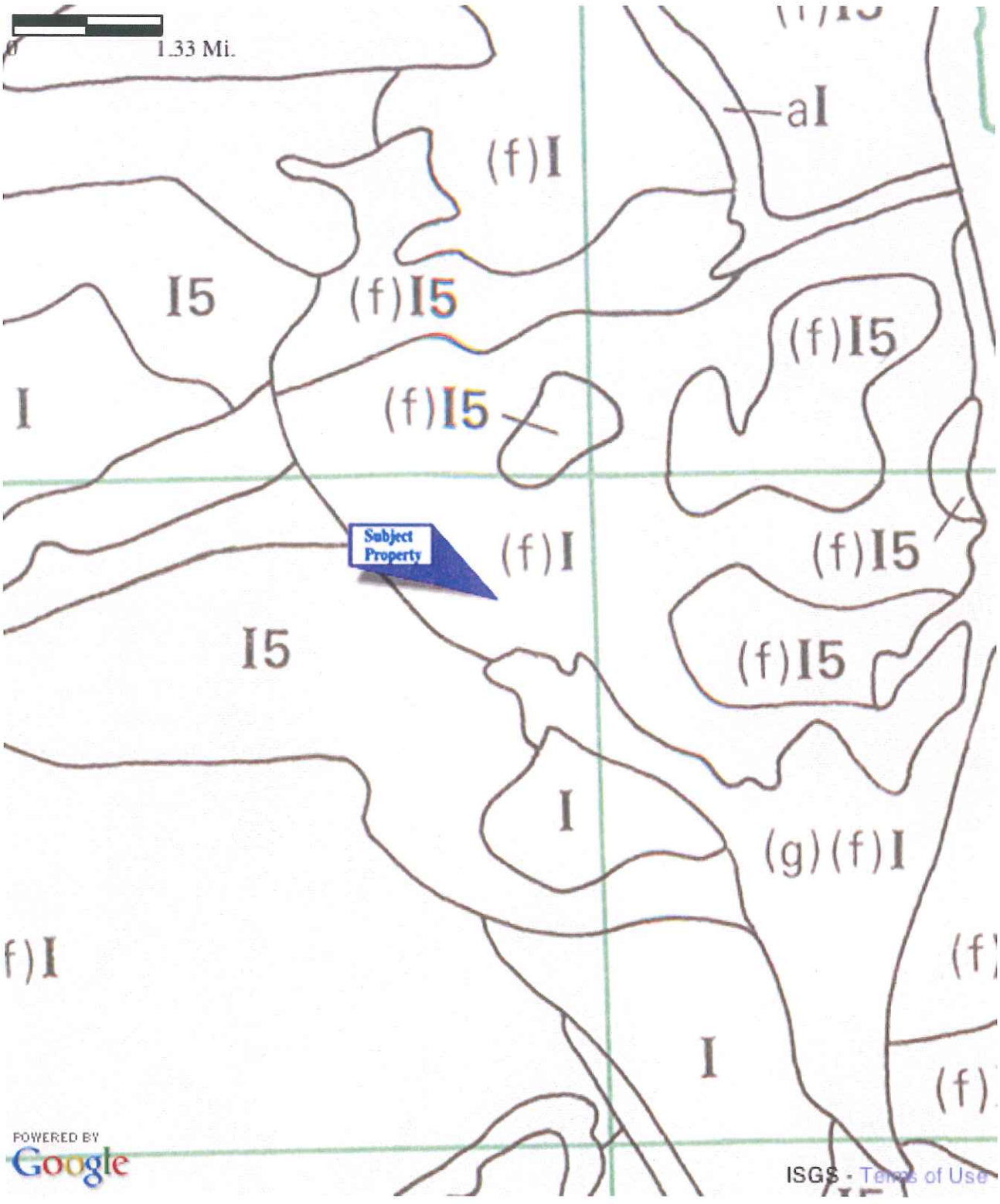
TABLE NO. 18 Groundwater Sample Analytical Results: Pesticides 3434 West 51st Street / Chicago, Illinois						Tier 1 Groundwater Remediation Objectives (Tier 1 GROs)	
Sample ID	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**Class I**	**Class II**
Collection Date	**10/28/10**	**10/28/10**	**10/28/10**	**11/11/10**	**11/11/10**		
4,4'-DDD	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	0.014	0.07
4,4'-DDE	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	0.01	0.05
4,4'-DDT	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	0.006	0.03
Aldrin	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.014	0.07
alpha-BHC (a-HCH)	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.00011	0.00055
alpha-Chlordane	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	--	--
b-BHC	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	--	--
Chlordane	<0.000100	<0.000100	<0.000100	<0.000100	<0.000100	0.002	0.01
d-BHC	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	--	--
Dieldrin	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	0.009	0.045
Endosulfan I	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	--	--
Endosulfan II	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	--	--
Endosulfan Sulfate	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	--	--
Endrin	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	0.002	0.01
Endrin Aldehyde	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	--	--
Endrin Ketone	<0.0000500	<0.0000500	<0.0000500	<0.0000500	<0.0000500	--	--
g-BHC (Lindane)	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.0002	0.001
gamma-Chlordane	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	--	--
Heptachlor	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.0004	0.002
Heptachlor Epoxide	<0.0000250	<0.0000250	<0.0000250	<0.0000250	<0.0000250	0.0002	0.001
Methoxychlor	<0.000250	<0.000250	<0.000250	<0.000250	<0.000250	0.04	0.2
Toxaphene	<0.000200	<0.000200	<0.000200	<0.000200	<0.000200	0.003	0.015

Notes: Results in mg/L (parts per million)
EPA test method SW846, 3510C/8081
Shaded/Bolded cell indicates value exceeds the most stringent Tier 1 GRO
"<" indicates not detected at stated detection limits
"--" indicates value not available
GROs pursuant to 35 IAC 742-Tiered Approach to Corrective Action Objectives (Appendix B, Table E)

Appendix A USGS and ISGS Maps



PIONEER ENVIRONMENTAL SERVICES, LLC	3434 West 51st Street Chicago, Illinois	**ISGS Circular 532 Map Potential for Contamination of Shallow Aquifers (1984)**
	KEY: E = uniform, relatively impermeable silty or clayey till at least 50 feet thick	

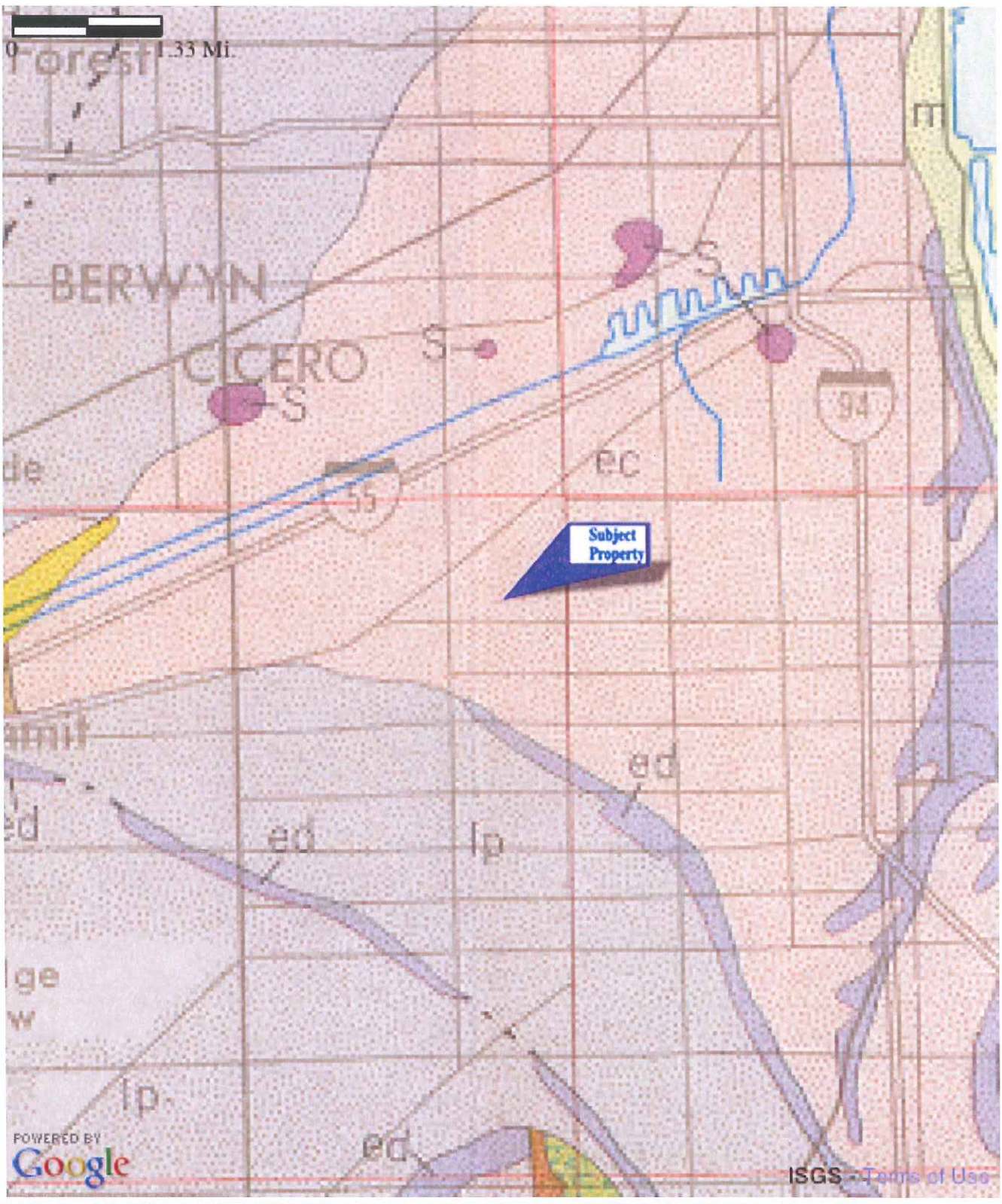


PIONEER ENVIRONMENTAL SERVICES, LLC

3434 West 51st Street
Chicago, Illinois

ISGS Stack-Unit Map of Northern Illinois (1987)

KEY: (f) I
DESCRIPTION: Discontinuous Equality Fm., Carmi Mbr. < 6m (19.7') thick, overlying Wedron Fm., silty and clayey diamictons > 6m (19.7') thick.



PIONEER ENVIRONMENTAL SERVICES, LLC

3434 West 51st Street
Chicago, Illinois

ISGS Map - Surficial Geology of the Chicago Region (1970)

KEY: ec = Carmi Member of Equality Formation
DESCRIPTION: Largely quiet-water lake sediments; dominantly well-bedded silt, locally laminated and containing thin beds of clay.

USGS Chicago, Illinois, United States 01 Jul 1992

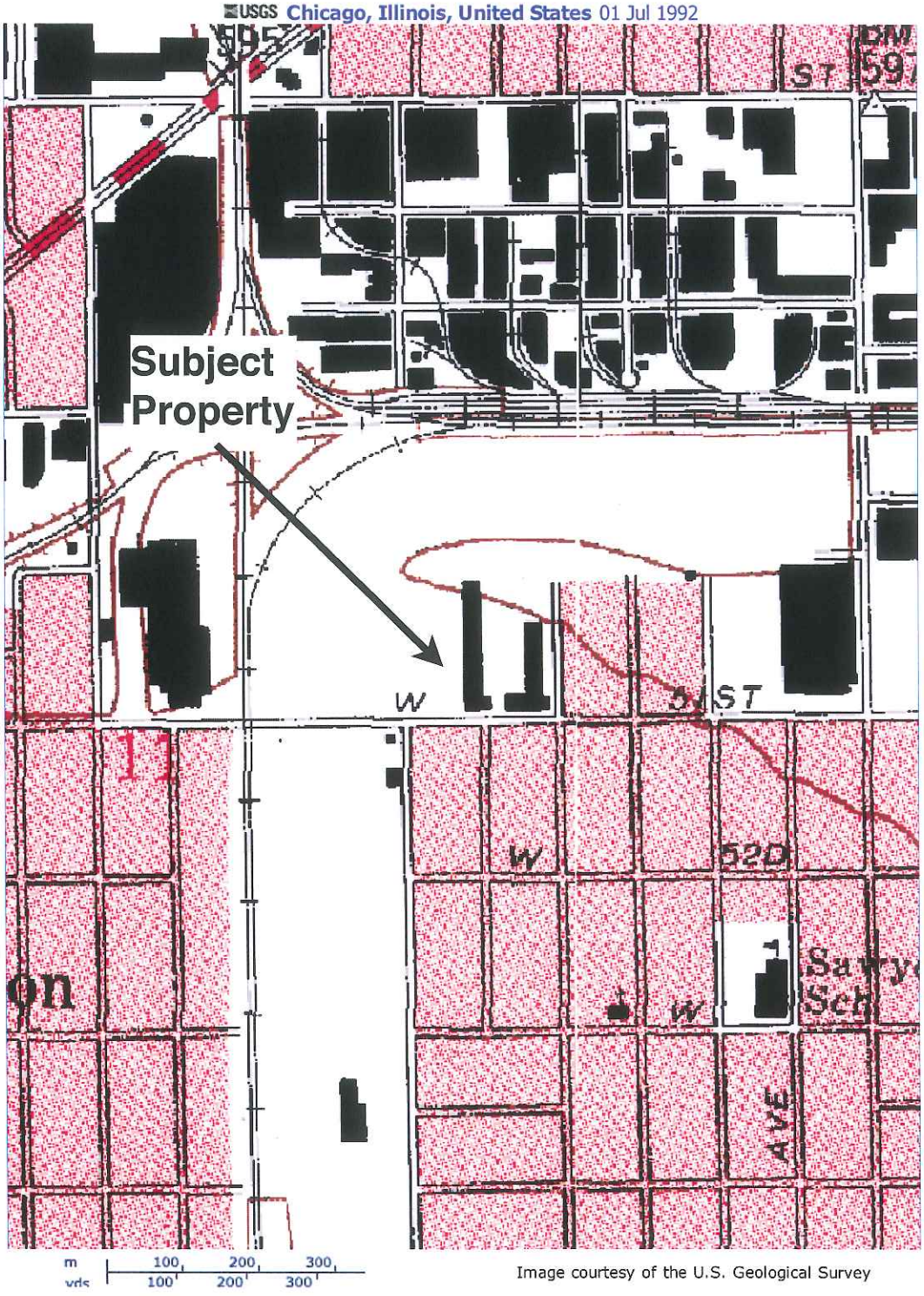


Image courtesy of the U.S. Geological Survey

PIONEER ENVIRONMENTAL SERVICES, LLC	3434 West 51st Street Chicago, Illinois T38N, R13 E, Sec. 11	**USGS 7.5 MINUTE TOPOGRAPHIC MAP**
	Project Number: 10-0461-103	Date: 1992

Appendix B IEPA DRM-2 Form

Illinois Environmental Protection Agency

Bureau of Land • 1021 N. Grand Avenue E. • Box 19276 • Springfield • Illinois • 62794-9276

Site Remediation Program Form (DRM-2)
(To be Submitted with all Plans and Reports)

You may complete this form online, save a copy, print, sign and mail it to the address above.

I. Site Identification:

Site Name: 3434 West 51st Street Project

Street Address: 3434 West 51st Street P.O. Box:

City: Chicago State: IL Zip Code: 60632 Phone:

Illinois Inventory ID Number: 0316006117 IEMA Incident Number:

II. Remediation Applicant:

Applicant's Name: Andrew Alt

Company: United Neighborhood Organization (UNO)

Street Address: 954 W. Washington Blvd., 3rd Floor P.O. Box:

City: Chicago State: IL Zip Code: 60607 Phone: 312.432.6301

Email Address: aalt@uno-online.org

I hereby request that the Illinois EPA review and evaluate the attached project documents in accordance with the terms and conditions of the Environmental Protection Act (415 ILCS 5), implementing regulations, and the review and evaluation services agreement.

Remediation Applicant's Signature: Date: 12/16/10

III. Contact Person for Remediation Applicant:

Contact's Name: Andrew Alt

Company: United Neighborhood Organization (UNO)

Street Address: 954 W. Washington Blvd., 3rd Floor P.O. Box:

City: Chicago State: IL Zip Code: 60607 Phone: 312.432.6301

Email Address: aalt@uno-online.org

Contact Person for Consultant:

Contact's Name: Dakota Prentice

Company: Pioneer Environmental Services, LLC

Street Address: 700 N. Sacramento Blvd. Ste. 101 P.O. Box:

City: Chicago State: IL Zip Code: 60612 Phone: 773.722.9200

Email Address: dprentice@pioneerees.com

IV. Review & Evaluation Licensed Professional Engineer or Geologist ("RELPEG"), if applicable:

RELPEG's Name:

Company:

Street Address: P.O. Box:

City: State: Zip Code: Phone:

Email Address:

V. Project Documents Being Submitted:

Document Title: Self-Implementing PCB Cleanup Application
Date of Preparation of Plan or Report: December 2010
Prepared by: Pioneer Environmental Services, LLC
Prepared For: United Neighborhood Organization

Type of Document Submitted:

- ☐ Site Investigation Report - Comprehensive
- ☐ Site Investigation Report - Focused
- ☐ Remediation Objectives Report - Tier 1 or 2
- ☐ Remediation Objectives Report - Tier 3
- ☐ Remedial Action Plan
- ☐ Remedial Action Completion Report
- ☐ Sampling Plan
- ☐ Health and Safety Plan
- ☐ Community Relations Plan
- ☐ Risk Assessment
- ☐ Containment Fate & Transport Modeling
- ☑ Other: USEPA PCB Cleanup Application

Document Title: _____
Date of Preparation of Plan or Report: _____
Prepared by: _____
Prepared For: _____

Type of Document Submitted:

- ☐ Site Investigation Report - Comprehensive
- ☐ Site Investigation Report - Focused
- ☐ Remediation Objectives Report - Tier 1 or 2
- ☐ Remediation Objectives Report - Tier 3
- ☐ Remedial Action Plan
- ☐ Remedial Action Completion Report
- ☐ Sampling Plan
- ☐ Health and Safety Plan
- ☐ Community Relations Plan
- ☐ Risk Assessment
- ☐ Containment Fate & Transport Modeling
- ☐ Other: _____

Document Title: _____
Date of Preparation of Plan or Report: _____
Prepared by: _____
Prepared For: _____

Type of Document Submitted:

- ☐ Site Investigation Report - Comprehensive
- ☐ Site Investigation Report - Focused
- ☐ Remediation Objectives Report - Tier 1 or 2
- ☐ Remediation Objectives Report - Tier 3
- ☐ Remedial Action Plan
- ☐ Remedial Action Completion Report
- ☐ Sampling Plan
- ☐ Health and Safety Plan
- ☐ Community Relations Plan
- ☐ Risk Assessment
- ☐ Containment Fate & Transport Modeling
- ☐ Other: _____

VI. Professional Engineer's or Geologist's Seal or Stamp:

I attest that all site investigations or remedial activities that are subject of this plan(s) or report(s) were performed under my direction, and this document and all attachments were prepared under my direction or reviewed by e, and to the best of my knowledge and belief, the work described in the plan and report has been designed or completed in accordance with the Illinois Environmental Protection Act (415 ILCS 5), 35 Ill. Adm. Code 740, and generally accepted engineering practices or principles of professional geology, and the information presented is accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 Felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Engineer's or Geologist's Name: Jeffrey McClelland

Company: Pioneer Environmental, LLC

Registration Number: 062-054039 Phone: 773.722.9200

License Expiration Date: 11/2011

Signature: _____ Date: 12/17/10

Professional Engineer's or Geologist's Seal or Stamp:

Note: The authority of a Licensed Professional Geologist to certify documents submitted to the Illinois Environmental Protection Agency for review and evaluation pursuant to Title XVII of the Environmental Protection Act is limited to Site Investigation Reports (415 ILCS 58/1(l), as amended by P. A. 92-0735, effective July 25, 2002. A Licensed Professional Geologist cannot certify Remediation Objectives Reports, Remedial Action Plans or Remedial Action Completion Reports.

All information submitted is available to the public except when specifically designated by the Remediation Applicant to be treated confidentially as a trade secret or secret process in accordance with the Illinois Compiled Statutes, Section 7(a) of the Environmental Protection Act, applicable Rules and Regulations of the Illinois Pollution Control Board and applicable Illinois EPA rules and guidelines. The Illinois EPA is authorized to require this information under Sections 415 ILCS 5/58 - 58.12 of the Environmental Protection Act and regulations promulgated thereunder. Disclosure of this information is required as a condition of participation in the Site Remediation Program. Failure to do so may prevent this form from being processed and could result in your plan(s) or report(s) being rejected. This form has been approved by the Forms Management Center.

Appendix C Photolog

Soil boring PB-22

Geoprobe on raised loading dock

Soil boring PB-27

Drilling rig at soil boring PB-14

PIONEER ENVIRONMENTAL SERVICES, LLC	3434 West 51st Street Chicago, Illinois	**PHOTOGRAPHIC LOG**
	Project Number: 10-0461-103	DATE: 2010

Appendix D Protocols and Soil Boring/Monitoring Well Logs

SUBSURFACE SOIL SAMPLING PROTOCOL

Subsurface samples are collected by employing various soil boring techniques based on the site-specific conditions. Soil borings may be advanced using any of the following methodologies: 1) a conventional Ingersol Rand™ 300B with hollow stem augers and split-spoon sampling techniques, a Bosch™ manual hydraulic/ percussive Macro-Core® barrel sampler, a truck-mounted Geoprobe 5410 hydraulic/percussive direct push sampling unit utilizing dual-tube sampling techniques, limited access Geoprobe hand-cart with a 2-inch Macro-Core® barrel sampler, and/or stainless steel hand augers. The specific methodologies employed are described in the report and listed on the soil boring log for each soil boring location (i.e., IR-300B, Bosch, Geoprobe 5410, Geoprobe Hand-Cart, or HA, respectively).

The soil sampling activities are conducted in accordance with American Society of Testing and Materials (ASTM) standards (ASTM:D 1586 or 6282). Soil samples are collected with a stainless steel hand auger, a split-spoon sampler, and/or a Macro-Core® sampler at 2-3 foot intervals depending on the specific method used. In the split-spoon sampling procedures, a split-barrel sampler having either a 2-inch or 13/16-inch outside diameter, an inside diameter of 1-3/8 or 7/8 inches, and a length of 2.5 or 3 feet is driven into the soil to collect a representative and undisturbed sample. In the Macro-Core® barrel sampling technique, a stainless steel barrel having a 2-inch outside diameter, an inside diameter of 1-1/2 inches, and a length of 2 or 3 feet is fitted with a dedicated disposable PVC liner and is driven into the soil to collect a representative and undisturbed sample.

The soil borings are sampled across continuous intervals from ground surface to the desired sampling depth, unless otherwise noted. The desired sampling depth is predicated on the specific conditions to be assessed, but may be restricted due to site-specific conditions. The drilling is directed by a Pioneer Environmental Services, LLC Field Project Geologist/Engineer, who field screens auger cuttings and soil samples, prepares samples for laboratory analysis, logs geologic materials encountered during drilling, observes the drilling activities, and supervises sample collection.

After retrieval, soil samples obtained from each interval are immediately field screened for the presence of organic vapors along the exposed surface of the soil sample under ambient conditions. The samples are screened for volatile organic compounds (VOCs) and/or semivolatile organic compounds (SVOCs) using a MiniRAE™ 2000 handheld air monitor / photoionization detector (PID). This device is sensitive to a variety of petroleum/hazardous substances, including those typically targeted in subsurface investigations, and provide qualitative indications of the relative concentrations of organic contaminants trapped in the sample matrix.

After the sampling sleeve or split-spoon is opened and screened, and where elevated ambient screening results or other field indications of contamination are observed, an undisturbed portion of the sample from the portion of the interval displaying the highest indications of contamination is immediately selected for possible analysis. Where no elevated screening results are registered, the sample selected for analysis is chosen based on the nature of the REC being assessed, and the judgment of the Field Project Manager. The sample is immediately packed into laboratory provided glassware, or preserved in accordance with US EPA's SW-846 Method 5035, if submitted for VOC analysis. In accordance with Method 5035, when soil samples are analyzed for VOCs, one of two field sampling methods is used. 1) A measured portion of the sample is placed in an EnCore™ sampler, or equivalent, immediately after collection, with the appropriate container quantities and volumes determined by the scope of work and field conditions. The EnCore™ samplers, or equivalent, are delivered to the laboratory and preserved within 48 hours of sample collection. 2) A measured portion of the sample collected in the field (subsample - small diameter core) is transferred directly from the sampling device(s) to pre-labeled, pre-weighed, air-tight, laboratory-provided glassware with appropriate preservative (either sodium bisulfate-for samples with estimated VOC concentrations less than 200 ppb; or methanol-for samples with estimated VOC concentrations greater than 200 ppb) immediately after sample collection.

After initial screening and sample preparation, a portion of the remaining soil from the sample interval is logged according to its predominant geological characteristics, in accordance with the Unified Soil Classification System (USCS). The sample is further examined for the presence of odors and/or visual evidence of contamination (hydrocarbon or other), and a headspace reading is obtained from a portion of the sample that is allowed to equilibrate to the ambient atmospheric temperature in a dedicated Zip-lock™ bag for approximately 15 minutes,

SUBSURFACE SOIL SAMPLING PROTOCOL (cont.)

depending upon various factors) using a PID to obtain a maximum field reading. The soil classifications and the results of the headspace screening are described in the report and listed on the soil boring logs.

Any soil samples chosen for possible analysis are packed in appropriate containers, properly labeled, designated for possible analysis, and placed in a cooler on ice for storage immediately after sample packing/preservation has been completed to preserve the integrity of the sample during field activities. The samples are subsequently shipped in a cooler on ice via a delivery service overnight to an independent laboratory under standard chain-of-custody procedures, or are retrieved (on the same day or as soon as practicable) by the contract laboratory. Samples are selected based on the scope of work, field observations (i.e. visual/odor observations, elevated PID readings, etc.), other site-specific conditions, and the judgment of the Pioneer Field Project Geologist/Engineer, and are submitted for possible analysis of the appropriate compounds targeted in the investigation.

Drill cuttings and liquids generated are left at the borehole. All boreholes are decommissioned in accordance with applicable Illinois Department of Public Health guidelines. When required, these spoils are contained in 55-gallon Type 17H drums. Decontamination procedures for the drilling equipment consists of steam cleaning the augers after each boring using a biodegradable detergent and high-pressure steam rinse. The split-spoon samplers are decontaminated between each sample interval by washing in a solution of Alconox and water, and triple rinsing with clean heated water.

Any deviations to or modifications of this standard protocol will be described on a site by site basis.

GROUNDWATER MONITORING WELL INSTALLATION & SAMPLING PROTOCOL

Groundwater monitoring wells are typically installed using hollow stem auger borings. When spatial constraints dictate, wells may be installed using manual hand-augering techniques, or other acceptable practices. Soil sampling conducted during well installation is performed according to Pioneer's Subsurface Soil Sampling Protocol. The activities are directed by Pioneer's Field Project Geologist/Engineer, who logs geologic materials encountered, field screens auger cuttings and soil samples, and supervises the drilling activities and well installations. All drilling equipment and tools are steam-cleaned prior to mobilization onto the site, between boreholes, and upon completion of the drilling program. In accordance with Pioneer's Site Safety Plan, a PID or FID is used to monitor ambient air concentrations during sampling activities, and personal protective equipment is utilized by site personnel as necessary.

Wells are constructed of 2-inch or 1-inch I.D. schedule 40 flushjoint PVC riser and screen. The well materials are steam-cleaned prior to installation. When the depth of the well allows, the annular space surrounding the screen is backfilled with silica sand filter pack to a height not less than 1 foot above the top of the well screen, and a minimum of one foot of bentonite is placed above the filter pack to provide a low permeability seal. The remaining annulus is sealed with a cement/bentonite grout to the ground surface. Well screens are positioned to monitor selected areas of the water column based on site specific contaminant conditions. The position of the screened interval relative to the water table is determined based on the presence of water/moisture in the soil samples retrieved during sampling, and the water levels observed during/after the drilling activities. When possible, the top of the screen is positioned at least one foot above the estimated water level to account for fluctuations in the water table. All wells are completed with flush-mounted protective casings and locking well caps or "stickup" locking protective casings (depending upon site traffic) and secured with concrete at the surface. The majority of the wells are installed near suspected source areas to evaluate contaminant conditions and determine the direction of groundwater flow.

After installation, each well is developed using a new disposable Teflon© or high-density polyethylene (HDPE) bailer, or a stainless steel submersible pump. Approximately 5-10 well volumes of water are purged from each well, until the well water is visually clear of suspended sediments or until further yield cannot be achieved. If a stainless steel pump is used during well development, it is decontaminated between wells using a tri-sodium phosphate (TSP) wash and triple water rinse. An elevation survey is also conducted to obtain well casing elevations for calculating groundwater elevations. An arbitrary site datum of 100.00 feet is used as a benchmark to initiate the survey, and well casing elevations are measured to the nearest 0.01 feet relative to the established benchmark using standard surveying techniques.

Water levels are allowed to recharge to static conditions prior to the collection of groundwater samples or elevation data, to ensure the collection of accurate and representative data. Water level measurements are recorded to the nearest 0.01 feet using a Sonic Interface Probe, and are compared with the respective casing elevations to calculate water level elevations and apparent groundwater flow directions. Measurable thicknesses of free product are also recorded during well gauging activities when present. Sample collection is accomplished following well development using a new disposable Teflon© or HDPE bailer for each well. If wells have been previously developed/sampled and are being re-sampled, they are purged of 3-5 well volumes of water from each well, or until further yield cannot be achieved, using techniques similar to those for well development. The groundwater samples are carefully decanted into appropriately-sized and properly-preserved laboratory provided sample containers, and labeled to identify the sample number/ location, date, and sampling personnel. The samples are subsequently packed in a cooler on ice, and shipped overnight to an independent laboratory under standard chain of custody procedures for possible analysis of the appropriate COCs.

Quality Assurance/Quality Control (QA/QC) procedures for field sampling techniques are performed on a site-by-site basis per scope of work considerations and contract obligations. Any deviations to or modifications of this standard protocol will be described on a site-by-site basis.

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-1

Site: 3434 West 51st Street Chicago, IL

Date Begin: 08/25/2010

Date End: 08/25/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-3" with Gravel Base-8"	
22.7	70			Fill		Black FILL (clayey, silty)	Chemical Odor, No Visual
			4				
5.6	90			CL		Black to brown/gray silty CLAY (trace sand & gravel)	Slight Odor, No Visual
			8				
4.9	80						Slight Odor, No Visual
			12			Boring Terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Geoprobe 5410

Driller: J. Mizwicki

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 08/25/2010

Date End: 08/25/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
30.6	70			Fill		Black FILL sand & gravel)	Chemical Odor, No Visual
			4				
9.1	20			CL		Brown/Gray silty CLAY (trace sand & gravel)	No Odor, No Visual
			8				
3.4	70						No Odor, No Visual
			12			Boring Terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Geoprobe 5410

Driller: J. Mizwicki

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Site: 3434 West 51st Street, Chicago, IL

Boring No.: PB-3

Date Begin: 08/25/2010

Date End: 08/25/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
7.6	50			Fill		Black FILL (sand & gravel)	No Odor, No Visual
			4			Boring refusal at 3 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Geoprobe 5410

Driller: J. Mizwicki

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-4

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 08/25/2010

Date End: 08/25/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-3" with Gravel Base-12"	
14.5	80			Fill		Black FILL	Chemical Odor, No Visual
			4				
112.9	100					Brown/gray silty CLAY	Chemical Odor, No Visual
			8	CL			
	100						Chemical Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Geoprobe 5410

Driller: J. Mizwicki

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-5

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 08/25/2010

Date End: 08/25/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-3" with Gravel Base-8"	
8.6	60			Fill		FILL	No Odor, No Visual
			4				
20.3	80			CL		Black to brown/gray silty CLAY	Slight Odor, No Visual
			8				
19.5	80						Slight Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Geoprobe 5410

Driller: J. Mizwicki

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 08/25/2010

Date End: 08/25/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
3.4				Fill		FILL	No Odor, No Visual
			4			Boring refusal at 3 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Geoprobe 5410

Driller: J. Mizwicki

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-7

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
<1						FILL (wood & debris)	No Odor, No Visual
				Fill			
22.4							No Odor, No Visual
			4			FILL	
17.6				Fill			No Odor, No Visual
						Brown/gray silty CLAY	
17.8							No Odor, No Visual
			8				
14.2							No Odor, No Visual
				CL			
6.8							No Odor, No Visual
			12				
<1							No Odor, No Visual
						Boring terminated at 14 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-8

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-8"	
6.3	80			Fill		FILL (clayey, silty)	No Odor, No Visual
			4			Brown/gray silty CLAY	
10.0	60						No Odor, No Visual
			8	CL			
8.1	70						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-9

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base-8"	
6.1	40			Fill		FILL	No Odor, No Visual
			4			Boring refusal at 3 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig:	Drilling Rig
Driller:	Drilling Unlimited
Geologist:	D. Prentice
LUST Incident No:	

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-10

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
--	0					No Recovery	No Odor, No Visual
			4				
--	0						No Odor, No Visual
						CLAY	
<1	70		8				No Odor, No Visual
<1	80			CL			No Odor, No Visual
			12				
<1	80						No Odor, No Visual
						Boring terminated at 14 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-11

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
--	--					No Recovery	--
--	--		4				--
83.6	60			CL		CLAY	Petroleum Odor, No Visual
--			8			No Recovery	--
--	--						--
<1	10		12	CL		Gray silty CLAY	No Odor, No Visual
<1	70						No Odor, No Visual
						Boring terminated at 14 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-12

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
--	--		4			No Recovery	--
29.9	70		8	SP		Gray SAND	Petroleum Odor, No Visual
7.4	70			CL		Gray CLAY	No Odor, No Visual
<1	70		12	CL		CLAY	No Odor, No Visual
<1	70						No Odor, No Visual
						Boring terminated at 14 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-13

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-6" with Gravel Base	
786	40			Fill		FILL	Petroleum Odor, No Visual
			4				
199	70			CL		Brown/gray silty CLAY	Petroleum Odor, No Visual
			8				
8.7	100						No Odor, No Visual
			12				
<1	100			CL		Gray silty CLAY	No Odor, No Visual
			16				
						Boring terminated at 16 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-14

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-6" with Gravel Base	
--	40					FILL	--
				Fill			
--	60						--
			4			Brown/gray silty CLAY	
<1	60						No Odor, No Visual
<1	80		8	CL			No Odor, No Visual
<1	80						No Odor, No Visual
<1	80		12				No Odor, No Visual
				CL		Gray silty CLAY	
						Boring terminated at 13 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig:	Drilling Rig
Driller:	Drilling Unlimited
Geologist:	D. Prentice
LUST Incident No:	

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-15

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-6" with Gravel Base	
<1	80			Fill		FILL	No Odor, No Visual
			4				
650	70			CL		Brown/gray silty CLAY	Petroleum Odor, No Visual
<1	60		8				No Odor, No Visual
<1	80			CL		Gray silty CLAY	No Odor, No Visual
<1	80		12				No Odor, No Visual
						Boring terminated at 13 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: 9' Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-16

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-6" with Gravel Base	
<1	60			Fill		FILL	No Odor, No Visual
			4				
<1	80			CL		Brown/gray silty CLAY	No Odor, No Visual
<1	80			CL		Gray silty CLAY	No Odor, No Visual
			8				
<1	100						No Odor, No Visual
			12				
						Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: 9' Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-17

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-6" with Gravel Base	
--	--					No Recovery	--
			4				
--	--						--
<1	80		8	CL		Brown/gray silty CLAY	No Odor, No Visual
<1	80		12	CL		Brown silty CLAY	No Odor, No Visual
<1	80			CL		Gray silty CLAY	No Odor, No Visual
			16			Boring terminated at 15 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: 9' Water Depth After Drilling: NA

Project Number: 10-0461-101 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-18

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-6" with Gravel Base	
--	--					No Recovery	--
			4				
	70					Brown/gray silty CLAY	No Odor, No Visual
<1	80			CL			No Odor, No Visual
			8				
<1	70			CL		Brown silty CLAY	No Odor, No Visual
			12				
<1	70			CL		Gray silty CLAY	No Odor, No Visual
			16			Boring terminated at 15 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: Drilling Rig

Driller: Drilling Unlimited

Geologist: D. Prentice

LUST Incident No:

Water Depth While Drilling: 9' Water Depth After Drilling: NA

Project Number: 10-0461-101

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-19

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/02/2010

Date End: 09/02/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-6" with Gravel Base	
--	--					No Recovery	--
			4				
<1	50			CL		Brown/gray CLAY	
<1	70					Gray silty CLAY	
			8				
<1	70						No Odor, No Visual
<1	70			CL			
			12				
<1	70						
			16			Boring terminated at 15 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig:	Drilling Rig
Driller:	Drilling Unlimited
Geologist:	D. Prentice
LUST Incident No:	

Water Depth While Drilling: 9' Water Depth After Drilling: NA

Project Number: 10-0461-101 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-20

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/27/2010

Date End: 09/27/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	50			Fill		Black FILL (sand, gravel & bricks), loose, moist	No Odor, No Visual
			4				
<1	25			CL		Brown/Gray silty CLAY (sand & gravel), hard, moist	No Odor, No Visual
			8				
<1	100						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-21

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/27/2010

Date End: 09/27/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	75			Fill		Black FILL (sand & gravel), loose, moist	No Odor, No Visual
			4				
<1	75					Brown/Gray silty CLAY, hard, moist	No Odor, No Visual
			8	CL			
<1	100						No Odor, No Visual
			12				
						Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-22

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/27/2010

Date End: 09/27/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	75			Fill		Black/brown FILL (silt & clay), loose, moist	No Odor, No Visual
			4				
<1	75			CL		Brown/Gray silty CLAY, hard, moist	No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-23

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/27/2010

Date End: 09/27/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	50			Fill		FILL (sand & gravel), loose, moist	No Odor, No Visual
			4				
<1	50			CL		Brown/Gray silty CLAY, hard, moist	No Odor, No Visual
			8				
						Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-24

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/27/2010

Date End: 09/27/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
9	60					Black FILL (sand, gravel & silty clay), loose, moist	No Odor, No Visual
			4	Fill			
3	25						No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-25

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/27/2010

Date End: 09/27/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
39	50			Fill		Black FILL (sand, gravel & silt), loose, moist	No Odor, No Visual
			4				
3	75			CL		Black/brown silty CLAY, hard, moist	No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-26

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/27/2010

Date End: 09/27/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
1076	50			Fill		Black FILL (sand, gravel & silt), loose, moist	Petroleum Odor, No Visual
			4				
1088	60			CL		Black/gray silty CLAY, hard, moist	Petroleum Odor, No Visual
			8				
7	10						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-27

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/27/2010

Date End: 09/27/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
138	50			Fill		Black FILL (sand & silty clay), loose, moist	Petroleum Odor, No Visual
			4				
870	60			CL		Black/brown silty CLAY, loose, moist	Petroleum Odor, No Visual
				CL		Black/gray silty CLAY, loose, moist	
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig:	GeoProbe 5410
Driller:	T. Mueller
Geologist:	J. Mizwicki
LUST Incident No:	

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-28

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete with Gravel Base	
93	50					FILL (sand, gravel & wood), loose, moist	No Odor, No Visual
94	50		4	Fill			No Odor, No Visual
27	75					Black/brown silty CLAY, medium stiff, moist	No Odor, No Visual
30	75		8	CL			No Odor, No Visual
7	75					Brown silty CLAY, medium stiff, moist	No Odor, No Visual
5	25		12	CL			No Odor, No Visual
			16			Boring terminated at 15 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-29

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/23/2010

Date End: 09/23/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-4" with Gravel Base-8"	
0	50					Black/brown silty CLAY, medium stiff, moist	No Odor, No Visual
			4	CL			
0	50						No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-30

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/23/2010

Date End: 09/23/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-4" with Gravel Base-8"	
<1	60			CL		Black/brown silty CLAY (trace sand & gravel), loose to hard, moist	No Odor, No Visual
			4				
<1	100						No Odor, No Visual
						Boring refusal at 5 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-31

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/23/2010

Date End: 09/23/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-4" with Gravel Base-8"	
<1	60					Black/brown silty CLAY, hard, moist	No Odor, No Visual
			4	CL			
<1	25						No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-32

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/23/2010

Date End: 09/23/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-4" with Gravel Base-8"	
<1	50			CL		Black silty CLAY, loose to medium stiff, moist	No Odor, No Visual
			4			Boring refusal 4 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-33

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/23/2010

Date End: 09/23/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-4" with Gravel Base-8"	
				SM		Brown/black silty SAND, loose, moist	
<1	50						No Odor, No Visual
				CL		Brown/black silty CLAY, medium stiff, moist	
			4			Boring refusal 4 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-34

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/12/2010

Date End: 10/12/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-5" with Gravel Base-2"	
						Black/gray CLAY	
<1	50			CL			No Odor, No Visual
			4			Brown/black silty CLAY	
<1	80						No Odor, No Visual
			8	CL			
<1	90						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-35

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/12/2010

Date End: 10/12/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with concrete and gravel base	
<1	70			Fill		FILL with clay and gravel	No Odor, No Visual
			4				
<1	10					Black/Gray silty CLAY, soft	No Odor, No Visual
			8	CL			
<1	50					Gray silty CLAY	No Odor, No Visual
				CL			
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-36

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/12/2010

Date End: 10/12/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete with gravel base	
<1	80			Fill		FILL with gravel	No Odor, No Visual
			4			Black/Gray CLAY	
<1	90			CL			No Odor, No Visual
			8				
<1	90						No Odor, No Visual
				CL		Gray silty CLAY	
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-37

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/12/2010

Date End: 10/12/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
						FILL	
<1	60			Fill			No Odor, No Visual
			4				
<1	90					Black/Gray CLAY	No Odor, No Visual
			8	CL			
<1	90						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-38

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/12/2010

Date End: 10/12/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
						FILL with clay	
<1	40			Fill			No Odor, No Visual
			4				
<1	80					Brown/gray silty CLAY	No Odor, No Visual
			8	CL			
<1	90						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-39

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/12/2010

Date End: 10/12/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete 7"	
<1	60			Fill		FILL with sand	No Odor, No Visual
			4				
<1	90			Fill		Black FILL	No Odor, No Visual
			8				
<1	60			CL		Brown/gray silt CLAY	No Odor, No Visual
			12				
						Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-40

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/12/2010

Date End: 10/12/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
<1	40			Fill		FILL	No Odor, No Visual
			4				
<1	60			CL		Black CLAY	No Odor, No Visual
				CL		Brown/gray silty CLAY	
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-41

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/12/2010

Date End: 10/12/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
<1	40			Fill		FILL	No Odor, No Visual
			4				
<1	80			CL		Black CLAY	No Odor, No Visual
				CL		Brown/gray CLAY	
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-42

Site: 3434 West 51st Street Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Asphalt-2" with concrete-4" and gravel base-4"	
<1	25			Fill		FILL with sand, silt, and clay	No Odor, No Visual
			4				
<1	25					Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8	CL			
<1	75						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-43

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
				Fill		FILL with sand, silt, and clay	
8	50			CL		Black silty CLAY, medium stiff, moist	No Odor, No Visual
			4				
				CL		Brown silty CLAY, medium stiff, moist	
<1	75					Black/gray silty CLAY, hard, moist	No Odor, No Visual
			8				
				CL			
<1	75						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-44

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-2" with gravel base-6"	
19	50			Fill		Fill with sand and silt	No Odor, No Visual
				CL		Black silty CLAY, medium stiff, moist	
			4				
<1	75					Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8	CL			
1	75						No Odor, No Visual
			12				
						Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-45

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-2" with gravel base	
6	50			Fill		FILL with silt, clay and gravel	No Odor, No Visual
			4				
				SP		Black silty SAND with gravel, loose, moist	
60	25			CL		Black silty CLAY, soft, wet	Petroleum Odor, Black
			8				
<1	50			CL		Brown/gray silty CLAY, soft, moist	No Odor, No Visual
			12				
						Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: 6' Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-46

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete with gravel base	
<1	75			Fill		FILL with silt, sand and gravel	No Odor, No Visual
			4	CL		Black silty CLAY, medium stiff, moist	
<1	95					Black silty CLAY, hard, moist	No Odor, No Visual
			8	CL			
<1	100						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-47

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
<1	25			Fill		FILL with sand and clay	No Odor, No Visual
			4	CL		Black silty CLAY, medium stiff, moist	
<1	25					Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8	CL			
<1	75						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-48

Site: 3434 West 51st Street Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-4" with gravel base-6"	
<1	50			Fill		FILL with sand, gravel and bricks	No Odor, No Visual
			4				
<1	100						No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-49

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
2	50			Fill		FILL with sand, gravel and silt	No Odor, No Visual
			4				
<1	20			CL		Black silty CLAY, medium stiff, moist	No Odor, No Visual
			8				
<1	50			CL		Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			12				
						Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-50

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base	
<1	60			Fill		FILL with sand, gravel, clay and silt	Suspect Odor, No Visual
			4				
<1	100			CL		Brown/gray silty CLAY, hard to medium stiff, moist	No Odor, No Visual
			8				
<1	100						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-51

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
<1	75			Fill		FILL with sand, gravel and silt	Suspect Odor, No Visual
			4	CL		Black silty CLAY, hard, moist	
<1	95					Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8	CL			
<1	100						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-52

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
<1	60			Fill		Black FILL	No Odor, No Visual
<1	60		4				No Odor, No Visual
<1	60			CL		Brown/gray silty CLAY	No Odor, No Visual
<1	60		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-53

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
<1	50			Fill		Black FILL	No Odor, No Visual
<1	70		4				No Odor, No Visual
<1	70			CL		Brown/gray silty CLAY	No Odor, No Visual
<1	80		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: 5' Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-54

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
<1	40			Fill		Black FILL	No Odor, No Visual
<1	80		4				No Odor, No Visual
<1	80			CL		Brown/gray silty CLAY	No Odor, No Visual
<1	100		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: 5' Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-55

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
<1	60			Fill		Black FILL	Chemical Odor, No Visual
10.8	60		4				No Odor, No Visual
<1	70			CL		Brown/gray silty CLAY	No Odor, No Visual
<1	60		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-56

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
47.72	60					Black FILL	No Odor, No Visual
				Fill			
18.4	60		4				No Odor, No Visual
						Brown/gray silty CLAY	
26.1	80						No Odor, No Visual
				CL			
			8				
<1	100						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-57

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
47.72	40			Fill		Black FILL	No Odor, No Visual
--	--		4			No Recovery	--
26.1	40			CL		Brown/gray silty CLAY	No Odor, No Visual
<1	80		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-58

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
9.1	60			Fill		Black FILL	No Odor, No Visual
<1	60		4				No Odor, No Visual
<1	50			CL		Brown/gray silty CLAY	No Odor, No Visual
<1	90		8				No Odor, No Visual
<1	90		12				No Odor, No Visual
						Boring terminated at 12.5 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-59

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
11.3	70			Fill		Black FILL	No Odor, No Visual
1.8	70		4				No Odor, No Visual
10.1	90			CL		Brown/gray silty CLAY	No Odor, No Visual
5.9	90		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig:	GeoProbe 5410
Driller:	J. Valadez
Geologist:	J. Mizwicki
LUST Incident No:	

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-60

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
1.8	70			Fill		Black FILL	No Odor, No Visual
<1	40		4				No Odor, No Visual
<1	80			CL		Brown/gray silty CLAY	No Odor, No Visual
<1	80		8				No Odor, No Visual
<1	80		12			Boring terminated at 12 feet BSG	No Odor, No Visual

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-61

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/13/2010

Date End: 10/13/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
<1	50			Fill		Black FILL	No Odor, No Visual
<1	50		4				No Odor, No Visual
				CL		Brown/gray silty CLAY	
<1	90						No Odor, No Visual
<1	50		8				No Odor, No Visual
<1	60						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-62

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/15/2010

Date End: 10/15/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
<1	50			Fill		Black/brown FILL with sand and gravel	No Odor, No Visual
			4				
<1	50			CL		Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-63

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/15/2010

Date End: 10/15/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
<1	50			Fill		Black/brown FILL with sand, silt and gravel	No Odor, No Visual
			4			Boring refusal at 4 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-64

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/15/2010

Date End: 10/15/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
<1	50			Fill		Black/brown FILL with sand, silt and gravel	No Odor, No Visual
			4				
<1	75			CL		Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-65

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/15/2010

Date End: 10/15/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
707	50			Fill		Black/brown FILL with sand, silt and gravel	Solvent Odor, No Visual
			4			Boring refusal at 4 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-66

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/15/2010

Date End: 10/15/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
<1	50			Fill		Black/brown FILL with sand and gravel	No Odor, No Visual
			4				
<1	75			CL		Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-67

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/15/2010

Date End: 10/15/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
<1	75			Fill		Black FILL with sand and gravel	No Odor, No Visual
			4				
<1	50			CL		Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-68

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/15/2010

Date End: 10/15/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
<1	50			Fill		Black FILL with sand and gravel	No Odor, No Visual
			4				
<1	50			CL		Brown/gray silty CLAY, hard, moist	No Odor, No Visual
			8			Boring terminated at 8 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-69

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/18/2010

Date End: 10/18/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-8"	
<1	50			Fill		Brown FILL with sand and gravel	No Odor, No Visual
			4	CL		Black silty CLAY, medium stiff, moist	
<1	75					Brown/gray silty CLAY, medium stiff to soft, moist	No Odor, No Visual
			8				
<1	50			CL			No Odor, No Visual
			12				
<1	50						No Odor, No Visual
			16			Boring terminated at 15 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IRV-300

Driller: T. Mueller/J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-70

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/18/2010

Date End: 10/18/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
20	75		4	Fill		Black FILL with sand, wood and gravel	Petroleum Odor, Black
<1	75		8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
<1	50		12				No Odor, No Visual
<1	75		16			Boring terminated at 15 feet BSG	No Odor, No Visual

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IRA-300

Driller: T. Mueller/J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-71

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/18/2010

Date End: 10/18/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-6" with gravel base-6"	
<1	50			Fill		Black FILL with sand and gravel	No Odor, No Visual
			4				
				CL		Black silty CLAY, medium stiff, moist	
<1	75					Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
			8				
				CL			
<1	100						No Odor, No Visual
			12				
						Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller/J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-72

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/18/2010

Date End: 10/18/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Concrete		Concrete-6" with gravel base-6"	
<1	50			Fill		Black/brown FILL with sand and gravel	No Odor, No Visual
			4				
				CL		Black silty CLAY, medium stiff, moist	
<1	100					Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
			8				
				CL			
<1	100						No Odor, No Visual
			12				
						Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller/J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-73

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/18/2010

Date End: 10/18/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with gravel base-6"	
13	25			Fill		FILL with sand and gravel	No Odor, No Visual
				Fill		Black FILL with sand and gravel	
			4	CL		Black silty CLAY, soft, moist	
3	75					Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
			8				
<1	75			CL			No Odor, No Visual
			12				
<1	50						No Odor, No Visual
			16			Boring terminated at 15 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IRV-300

Driller: T. Mueller/J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-74

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/18/2010

Date End: 10/18/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with gravel base	
37	50			Fill		Black FILL with sand and gravel	Gas Odor, No Visual
			4	CL		Black silty CLAY, soft, moist	
297	75					Brown/gray silty CLAY, medium stiff, moist	Gas Odor, No Visual
			8	CL			
<1	100						No Odor, No Visual
			12			Boring terminated at 12 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller/J. Valadez

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-75

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/25/2010

Date End: 10/25/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
1	75		4	Fill		Brown/black sand clay FILL	No Odor, No Visual
<1	75		8	CL		Brown silty CLAY, some coarse sand	No Odor, No Visual
<1	75		12	CL		Brown/grey silty CLAY, some coarse sand	No Odor, No Visual
			16			Boring terminated at 15 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IRA-300

Driller: J. Valadez

Geologist: T. Mueller

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-76

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 10/25/2010

Date End: 10/25/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt	
1			4	Fill		Black sandy clay FILL, with gravel	No Odor, No Visual
<1			8	CL		Brown sandy CLAY, trace fine gravel	No Odor, No Visual
<1			12	CL		Grey silty CLAY, trace coarse sand	No Odor, No Visual
			16			Boring terminated at 15 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IRA-300

Driller: J. Valadez

Geologist: T. Mueller

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2A

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
4	50			Fill		Black FILL (sand & gravel), loose, moist	No Odor, No Visual
<1	75		4			Brown/gray silty CLAY (trace sand & gravel), loose, moist	No Odor, No Visual
<1	50			CL			No Odor, No Visual
<1	75		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2B

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
13	50			Fill		Black FILL (sand & gravel), loose, moist	No Odor, No Visual
20	50		4				No Odor, No Visual
						Brown/gray silty CLAY (trace sand & gravel), loose, moist	
<1	75			CL			No Odor, No Visual
			8				
<1	75						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2C

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
44	25			Fill		Black FILL (sand & gravel), loose, moist	No Odor, No Visual
11	25		4			Brown/gray silty CLAY (trace sand & gravel), loose, moist	No Odor, No Visual
<1	25			CL			No Odor, No Visual
<1	75		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2D

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
12	25			Fill		Black FILL (sand & gravel), loose, moist	No Odor, No Visual
1	50		4				No Odor, No Visual
						Brown/gray silty CLAY (trace sand & gravel), loose, moist	
<1	25			CL			No Odor, No Visual
			8				
<1	75						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2E

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
9	50			Fill		Black FILL (sand & gravel), loose, moist	No Odor, No Visual
3	75		4				No Odor, No Visual
						Brown/gray silty CLAY (trace sand & gravel), loose, moist	
<1	50			CL			No Odor, No Visual
			8				
<1	75						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2F

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
44	40			Fill		Black FILL (sand & gravel), loose, moist	No Odor, No Visual
16	60		4				No Odor, No Visual
						Brown/gray silty CLAY (trace sand & gravel), loose, moist	
<1	80			CL			No Odor, No Visual
			8				
<1	80						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2H

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
21	30			Fill		Black FILL (sand & gravel), loose, moist	No Odor, No Visual
52	70		4				No Odor, No Visual
						Brown/gray silty CLAY (trace sand & gravel), loose, moist	
<1	80			CL			No Odor, No Visual
			8				
<1	60						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-2I

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
458	60			Fill		Black FILL (sand & gravel), loose, moist	Chemical Odor, No Visual
70	60		4				No Odor, No Visual
						Brown/gray silty CLAY (trace sand & gravel), loose, moist	
<1	80			CL			No Odor, No Visual
			8				
<1	100						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: IR A-300

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-3A

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base	
<1	100			Fill		FILL (gravel & sand)	No Odor, No Visual
				GW		Black GRAVEL small-medium coarse	
<1	25		4				No Odor, No Visual
				CL		Black silty CLAY, soft, moist	
				CL		Brown/gray silty CLAY, medium stiff, moist	
<1	50						No Odor, No Visual
			8				
<1	50						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-3B

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-18"	
<1	50						No Odor, No Visual
				Fill		Black FILL (gravel & sand)	
<1	50		4				No Odor, No Visual
				CL		Black silty CLAY, loose, moist	
<1	25						No Odor, No Visual
				CL		Brown/gray silty CLAY, medium stiff, moist	
			8				
<1	50						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-3C

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	50			Fill		Black FILL (gravel & sand)	No Odor, No Visual
<1	50		4	CL		Black silty CLAY, soft, moist	No Odor, No Visual
<1	100			CL		Brown silty CLAY, medium stiff, moist	No Odor, No Visual
<1	100		8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-3D

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-8"	
<1	50			Fill		Black FILL (gravel & sand)	No Odor, No Visual
3	50		4	CL		Black silty CLAY, medium stiff, moist	No Odor, No Visual
37	50			CL		Brown/gray silty CLAY(with sand & gravel), medium stiff to soft, moist	No Odor, No Visual
38	10		8	CL		Brown/gray silty CLAY, soft, moist to wet	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: 8' Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-3E

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	75			Fill		Brown/black FILL (sand & gravel)	No Odor, No Visual
<1	75		4				No Odor, No Visual
				CL		Black/brown silty CLAY (with sand & gravel), medium stiff to soft, moist to wet	
<1	100						No Odor, No Visual
			8				
<1	100			CL		Brown/gray silty CLAY(with sand & gravel), hard, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig:	GeoProbe 5410
Driller:	T. Mueller
Geologist:	J. Mizwicki
LUST Incident No:	

Water Depth While Drilling: 7' Water Depth After Drilling: NA

Project Number: 10-0461-102 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-3F

Site: 3434 West 51st Street Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt with Gravel Base	
<1	75			Fill		Black FILL (sand, silt & gravel)	No Odor, No Visual
<1	75		4	CL		Black silty CLAY, medium stiff, moist	No Odor, No Visual
<1	90			CL		Brown silty CLAY, hard, moist	No Odor, No Visual
<1	90		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-3H

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	50			Fill		FILL (sand, brick & gravel)	No Odor, No Visual
<1	50		4			Black silty CLAY, hard, moist	No Odor, No Visual
<1	75			CL			No Odor, No Visual
<1	75		8				No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-3I

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	75			Fill		Black FILL (sand, brick & gravel)	No Odor, No Visual
				CL		Black silty CLAY, loose, moist	
						Black silty CLAY, hard, moist	
1	75		4				No Odor, No Visual
7	90			CL			No Odor, No Visual
			8				
<1	90						No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6A

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base	
<1	50			Fill		Black/brown FILL (sand, brick & gravel)	No Odor, No Visual
				Fill		Black FILL (sand & gravel)	
<1	50		4	Fill		Black FILL (silt, sand, gravel & wood debris)	No Odor, No Visual
37	25			CL		Black silty CLAY, soft, moist	No Odor, No Visual
155	75		8	CL		Brown/gray silty CLAY, medium stiff, moist	Chemical Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig:	GeoProbe 5410
Driller:	T. Mueller
Geologist:	J. Mizwicki
LUST Incident No:	

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102 Page 1

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6B

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
6	25			Fill		Black FILL (sand & gravel)	No Odor, No Visual
152	50		4	SM		Brown/black silty, gravelly SAND (wood & metal), loose, moist	Chemical Odor, No Visual
134	50			CL		Black silty CLAY, soft, moist	Chemical Odor, No Visual
413	75		8	CL		Brown/gray silty CLAY, medium stiff, moist	Chemical Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6C

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	50			Fill		Black FILL (sand & gravel)	No Odor, No Visual
<1	50		4	SM		Brown/black silty, gravelly SAND (wood & metal), loose, moist	No Odor, No Visual
<1	25			CL		Black silty CLAY, soft, moist	No Odor, No Visual
<1	75		8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6D

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
<1	25			Fill		Black FILL (sand & gravel)	No Odor, No Visual
7	50		4	SM		Brown/black silty, gravelly SAND (wood & metal), loose, moist	No Odor, No Visual
9	25			CL		Black silty CLAY, soft, moist	No Odor, No Visual
5	75		8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6E

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base-6"	
78	50			Fill		Black/brown FILL (sand & gravel)	No Odor, No Visual
181	50		4	CL		Black silty CLAY (wood debris), loose, moist	Chemical Odor, No Visual
119	25			CL		Black silty CLAY, soft, moist	No Odor, No Visual
17	75		8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6F

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base	
6				Fill		Black/brown FILL (sand, brick & gravel)	No Odor, No Visual
				Fill		Black FILL (sand & gravel)	
6			4	Fill		Black FILL (silt, sand, gravel & wood debris)	No Odor, No Visual
18				CL		Black silty CLAY, soft, moist	No Odor, No Visual
49			8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6G

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base	
7				Fill		Black/brown FILL (sand, brick & gravel)	No Odor, No Visual
				Fill		Black FILL (sand & gravel)	
199			4	Fill		Black FILL (silt, sand, gravel & wood debris)	No Odor, No Visual
218				CL		Black silty CLAY, soft, moist	No Odor, No Visual
175			8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig:	GeoProbe 5410
Driller:	T. Mueller
Geologist:	J. Mizwicki
LUST Incident No:	

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6H

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base	
25	60			Fill		Black/brown FILL (sand, brick & gravel)	No Odor, No Visual
				Fill		Black FILL (sand & gravel)	
5	60		4	Fill		Black FILL (silt, sand, gravel & wood debris)	No Odor, No Visual
<1	40			CL		Black silty CLAY, soft, moist	No Odor, No Visual
<1	80		8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

Boring Log

Boring No.: PB-6I

Site: 3434 West 51st Street, Chicago, IL

Date Begin: 09/28/2010

Date End: 09/28/2010

PID (ppm)	Sample Recovery	Sample	Depth Feet	Soil Class	Lithology	Description	Remarks
				Asphalt		Asphalt-4" with Gravel Base	
<1				Fill		Black/brown FILL (sand, brick & gravel)	No Odor, No Visual
				Fill		Black FILL (sand & gravel)	
<1			4	Fill		Black FILL (silt, sand, gravel & wood debris)	No Odor, No Visual
<1				CL		Black silty CLAY, soft, moist	No Odor, No Visual
<1			8	CL		Brown/gray silty CLAY, medium stiff, moist	No Odor, No Visual
						Boring terminated at 10 feet BSG	

Completion Notes:
Hatched pattern denotes sample analyzed.

Drill Rig: GeoProbe 5410

Driller: T. Mueller

Geologist: J. Mizwicki

LUST Incident No:

Water Depth While Drilling: ND Water Depth After Drilling: NA

Project Number: 10-0461-102

PIONEER ENVIRONMENTAL SERVICES, LLC

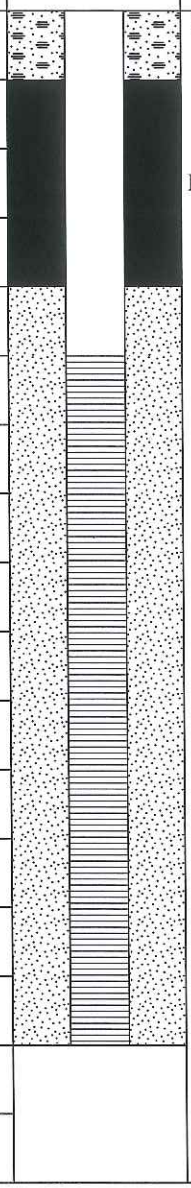
Groundwater Monitoring Well Completion Diagram

Site:
3434 West 51st Street
Chicago, IL

Groundwater Monitoring Well ID:
MW-1

Project Number:	10-0461-102	Top of inner casing:	100.82 Feet
Geologist:	J. Mizwicki	Ground elevation:	NA Feet
Date Drilled:	10/18/2010	Total Depth of Borehole:	15 Feet
Borehole Diameter:	4.25 Inches	Depth to Water:	9.79 Feet

Soil Description	Soil Class	PID	Depth
Asphalt-4" with gravel base-8"	Asphalt		
Brown FILL with sand and gravel	Fill	<1	
Black silty CLAY, medium stiff, moist	CL		4
Brown/gray silty CLAY, medium stiff to soft, moist	CL	<1	8
		<1	12
		<1	
Boring terminated at 15 feet BSG			16



Notes: Hatched pattern denotes sample analyzed.

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PIONEER ENVIRONMENTAL SERVICES, LLC

Groundwater Monitoring Well Completion Diagram

Site:
3434 West 51st Street
Chicago, IL

Groundwater Monitoring Well ID:
MW-2

Project Number:	10-0461-102	Top of inner casing:	101.67 Feet
Geologist:	J. Mizwicki	Ground elevation:	NA Feet
Date Drilled:	10/18/2010	Total Depth of Borehole:	15 Feet
Borehole Diameter:	4.25 Inches	Depth to Water:	6.76 Feet

Soil Description	Soil Class	PID	Depth	Annulus Material
Asphalt-4" with gravel base-6"	Asphalt			Flush Mount Well-Box w/ Asphalt Seal
Black FILL with sand, wood and gravel	Fill	20	4	Medium Chip Bentonite
Brown/gray silty CLAY, medium stiff, moist	CL	<1	8	5' of Solid Riser
		<1	12	#5 Quartz Sand
		<1		10' of 0.01" Slotted Screen
Boring terminated at 15 feet BSG			16	

Notes: Hatched pattern denotes sample analyzed.

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PIONEER ENVIRONMENTAL SERVICES, LLC

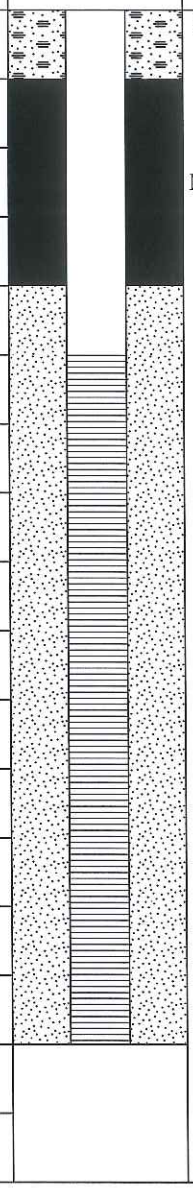
Groundwater Monitoring Well Completion Diagram

Site:
3434 West 51st Street
Chicago, IL

Groundwater Monitoring Well ID:
MW-3

Project Number:	10-0461-102	Top of inner casing:	101.34 Feet
Geologist:	J. Mizwicki	Ground elevation:	NA Feet
Date Drilled:	10/18/2010	Total Depth of Borehole:	15 Feet
Borehole Diameter:	4.25 Inches	Depth to Water:	3.41 Feet

Soil Description	Soil Class	PID	Depth
Asphalt-4" with gravel base-6"	Asphalt		
FILL with sand and gravel	Fill	13	
Black FILL with sand and gravel	Fill		
Black silty CLAY, soft, moist	CL		4
Brown/gray silty CLAY, medium stiff, moist	CL	3	8
		<1	12
		<1	
Boring terminated at 15 feet BSG			16



Notes: Hatched pattern denotes sample analyzed.

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PIONEER ENVIRONMENTAL SERVICES, LLC

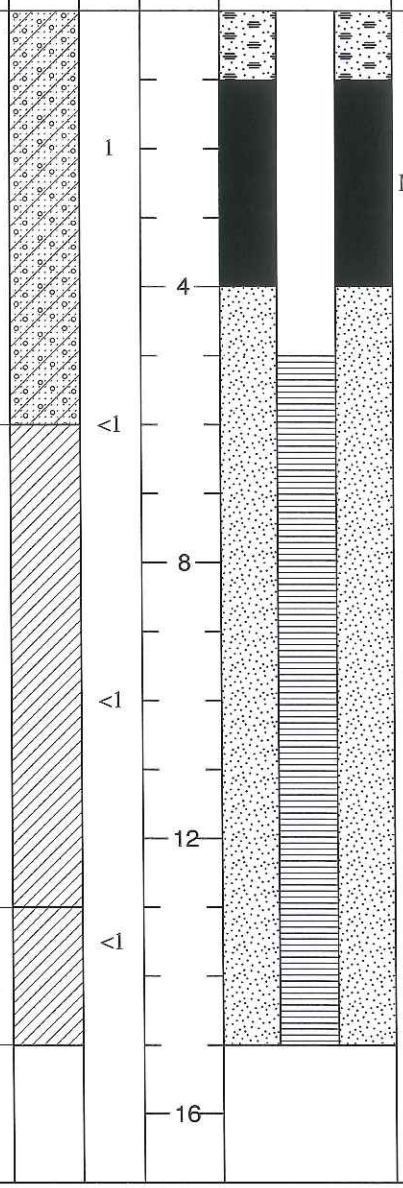
Groundwater Monitoring Well Completion Diagram

Site:
3434 West 51st Street
Chicago, IL

Groundwater Monitoring Well ID:
MW-4

Project Number:	10-0461-102	Top of inner casing:	99.90 Feet
Geologist:	T. Mueller	Ground elevation:	NA Feet
Date Drilled:	10/25/2010	Total Depth of Borehole:	15 Feet
Borehole Diameter:	4.25 Inches	Depth to Water:	8.61 Feet

Soil Description	Soil Class	PID	Depth
Brown/black sand clay FILL	Fill	1	
Brown silty CLAY, some coarse sand	CL	<1	
Brown/grey silty CLAY, some coarse sand	CL	<1	
Boring terminated at 15 feet BSG			



Notes: Hatched pattern denotes sample analyzed.

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PIONEER ENVIRONMENTAL SERVICES, LLC

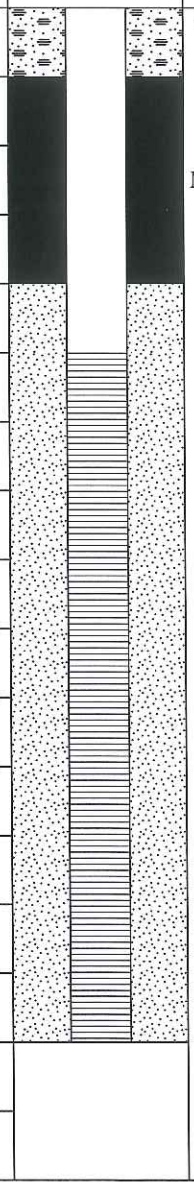
Groundwater Monitoring Well Completion Diagram

Site:
3434 West 51st Street
Chicago, IL

Groundwater Monitoring Well ID:
MW-5

Project Number:	10-0461-102	Top of inner casing:	101.87 Feet
Geologist:	T. Mueller	Ground elevation:	NA Feet
Date Drilled:	10/25/2010	Total Depth of Borehole:	15 Feet
Borehole Diameter:	4.25 Inches	Depth to Water:	12.05 Feet

Soil Description	Soil Class	PID	Depth
Asphalt	Asphalt		
Black sandy clay FILL, with gravel	Fill	1	
Brown sandy CLAY, trace fine gravel	CL	<1	
Grey silty CLAY, trace coarse sand	CL	<1	
Boring terminated at 15 feet BSG			



Notes: Hatched pattern denotes sample analyzed.

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Appendix E Laboratory Reports

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

October 04, 2010

Jeff McClelland
Pioneer Eng. & Env. Services
700 North Sacramento Boulevard
Chicago, IL 60612

RE: Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Dear Jeff McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on September 23, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Marge Allen-Trinkner

Marge Allen-Trinkner for
Laurie Woelfel
laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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(920)469-2436

SAMPLE SUMMARY

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037406001	B29 (0-4)	Solid	09/23/10 09:17	09/23/10 16:09
4037406003	B30 (0-4)	Solid	09/23/10 09:45	09/23/10 16:09
4037406006	B31 (4-8)	Solid	09/23/10 12:26	09/23/10 16:09
4037406007	B32 (0-4)	Solid	09/23/10 10:49	09/23/10 16:09
4037406008	B33 (0-4)	Solid	09/23/10 11:21	09/23/10 16:09

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SAMPLE ANALYTE COUNT

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037406001	B29 (0-4)	EPA 6010	MES	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	AME	1	PASI-G
		EPA 9045	MY	1	PASI-G
4037406003	B30 (0-4)	EPA 6010	MES	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	AME	1	PASI-G
		EPA 9045	MY	1	PASI-G
4037406006	B31 (4-8)	EPA 6010	MES	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	AME	1	PASI-G
		EPA 9040	MY	1	PASI-G
4037406007	B32 (0-4)	EPA 6010	MES	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	AME	1	PASI-G
		EPA 9045	MY	1	PASI-G
4037406008	B33 (0-4)	EPA 6010	MES	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	AME	1	PASI-G
		EPA 9045	MY	1	PASI-G

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Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Sample: B29 (0-4) **Lab ID: 4037406001** Collected: 09/23/10 09:17 Received: 09/23/10 16:09 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**8.2**	mg/kg	2.1	1	09/24/10 12:05	09/24/10 17:42	7440-38-2	
Barium	**117**	mg/kg	0.53	1	09/24/10 12:05	09/24/10 17:42	7440-39-3	
Cadmium	**1.1**	mg/kg	0.53	1	09/24/10 12:05	09/24/10 17:42	7440-43-9	
Chromium	**18.1**	mg/kg	0.53	1	09/24/10 12:05	09/24/10 17:42	7440-47-3	
Lead	**85.9**	mg/kg	1.1	1	09/24/10 12:05	09/24/10 17:42	7439-92-1	
Selenium	**<2.1**	mg/kg	2.1	1	09/24/10 12:05	09/24/10 17:42	7782-49-2	
Silver	**<1.1**	mg/kg	1.1	1	09/24/10 12:05	09/24/10 17:42	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.097**	mg/kg	0.012	1	09/27/10 12:16	09/27/10 15:21	7439-97-6	M0
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	**<19.5**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	83-32-9	
Acenaphthylene	**<19.5**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	208-96-8	
Anthracene	**30.7**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	120-12-7	
Benzo(a)anthracene	**112**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	56-55-3	
Benzo(a)pyrene	**118**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	50-32-8	
Benzo(b)fluoranthene	**107**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	205-99-2	
Benzo(g,h,i)perylene	**79.0**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	191-24-2	
Benzo(k)fluoranthene	**102**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	207-08-9	
Chrysene	**123**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	218-01-9	
Dibenz(a,h)anthracene	**30.7**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	53-70-3	
Fluoranthene	**212**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	206-44-0	
Fluorene	**<19.5**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	86-73-7	
Indeno(1,2,3-cd)pyrene	**68.1**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	193-39-5	
Naphthalene	**41.2**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	91-20-3	
Phenanthrene	**82.3**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	85-01-8	
Pyrene	**192**	ug/kg	19.5	1	09/28/10 12:35	09/28/10 13:16	129-00-0	
2-Fluorobiphenyl (S)	54	%	38-130	1	09/28/10 12:35	09/28/10 13:16	321-60-8	
Terphenyl-d14 (S)	52	%	36-130	1	09/28/10 12:35	09/28/10 13:16	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.6**	%	0.10	1		09/25/10 10:39		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.9**	Std. Units	0.10	1		09/27/10 13:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Sample: B30 (0-4) Lab ID: 4037406003 Collected: 09/23/10 09:45 Received: 09/23/10 16:09 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	8.2	mg/kg	2.3	1	09/24/10 12:05	09/24/10 17:46	7440-38-2	
Barium	46.1	mg/kg	0.58	1	09/24/10 12:05	09/24/10 17:46	7440-39-3	
Cadmium	0.63	mg/kg	0.58	1	09/24/10 12:05	09/24/10 17:46	7440-43-9	
Chromium	23.9	mg/kg	0.58	1	09/24/10 12:05	09/24/10 17:46	7440-47-3	
Lead	14.3	mg/kg	1.2	1	09/24/10 12:05	09/24/10 17:46	7439-92-1	
Selenium	<2.3	mg/kg	2.3	1	09/24/10 12:05	09/24/10 17:46	7782-49-2	
Silver	<1.2	mg/kg	1.2	1	09/24/10 12:05	09/24/10 17:46	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.025	mg/kg	0.012	1	09/27/10 12:16	09/27/10 15:25	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	83-32-9	
Acenaphthylene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	208-96-8	
Anthracene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	120-12-7	
Benzo(a)anthracene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	56-55-3	
Benzo(a)pyrene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	50-32-8	
Benzo(b)fluoranthene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	205-99-2	
Benzo(g,h,i)perylene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	191-24-2	
Benzo(k)fluoranthene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	207-08-9	
Chrysene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	218-01-9	
Dibenz(a,h)anthracene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	53-70-3	
Fluoranthene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	206-44-0	
Fluorene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	193-39-5	
Naphthalene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	91-20-3	
Phenanthrene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	85-01-8	
Pyrene	<20.2	ug/kg	20.2	1	09/28/10 12:35	09/28/10 12:08	129-00-0	
2-Fluorobiphenyl (S)	67	%	38-130	1	09/28/10 12:35	09/28/10 12:08	321-60-8	
Terphenyl-d14 (S)	78	%	36-130	1	09/28/10 12:35	09/28/10 12:08	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	17.5	%	0.10	1		09/25/10 10:40		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	7.8	Std. Units	0.10	1		09/27/10 13:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Sample: B31 (4-8) Lab ID: 4037406006 Collected: 09/23/10 12:26 Received: 09/23/10 16:09 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	6.9	mg/kg	2.3	1	09/24/10 12:05	09/24/10 17:50	7440-38-2	
Barium	89.3	mg/kg	0.56	1	09/24/10 12:05	09/24/10 17:50	7440-39-3	
Cadmium	0.84	mg/kg	0.56	1	09/24/10 12:05	09/24/10 17:50	7440-43-9	
Chromium	31.0	mg/kg	0.56	1	09/24/10 12:05	09/24/10 17:50	7440-47-3	
Lead	58.9	mg/kg	1.1	1	09/24/10 12:05	09/24/10 17:50	7439-92-1	
Selenium	<2.3	mg/kg	2.3	1	09/24/10 12:05	09/24/10 17:50	7782-49-2	
Silver	<1.1	mg/kg	1.1	1	09/24/10 12:05	09/24/10 17:50	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.056	mg/kg	0.012	1	09/27/10 12:16	09/27/10 15:26	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<20.9	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	83-32-9	
Acenaphthylene	<20.9	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	208-96-8	
Anthracene	52.4	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	120-12-7	
Benzo(a)anthracene	115	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	56-55-3	
Benzo(a)pyrene	105	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	50-32-8	
Benzo(b)fluoranthene	109	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	205-99-2	
Benzo(g,h,i)perylene	77.1	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	191-24-2	
Benzo(k)fluoranthene	105	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	207-08-9	
Chrysene	135	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	218-01-9	
Dibenz(a,h)anthracene	27.2	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	53-70-3	
Fluoranthene	248	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	206-44-0	
Fluorene	<20.9	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	86-73-7	
Indeno(1,2,3-cd)pyrene	61.4	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	193-39-5	
Naphthalene	41.3	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	91-20-3	
Phenanthrene	160	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	85-01-8	
Pyrene	219	ug/kg	20.9	1	09/28/10 12:35	09/28/10 12:25	129-00-0	
2-Fluorobiphenyl (S)	64	%	38-130	1	09/28/10 12:35	09/28/10 12:25	321-60-8	
Terphenyl-d14 (S)	71	%	36-130	1	09/28/10 12:35	09/28/10 12:25	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	20.2	%	0.10	1		09/25/10 10:40		
9040 pH	Analytical Method: EPA 9040							
pH	7.5	Std. Units	0.10	1		09/27/10 13:30		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Sample: B32 (0-4) Lab ID: **4037406007** Collected: 09/23/10 10:49 Received: 09/23/10 16:09 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**5.4**	mg/kg	2.1	1	09/24/10 12:05	09/24/10 17:54	7440-38-2	
Barium	**121**	mg/kg	0.53	1	09/24/10 12:05	09/24/10 17:54	7440-39-3	
Cadmium	**0.90**	mg/kg	0.53	1	09/24/10 12:05	09/24/10 17:54	7440-43-9	
Chromium	**16.2**	mg/kg	0.53	1	09/24/10 12:05	09/24/10 17:54	7440-47-3	
Lead	**93.0**	mg/kg	1.1	1	09/24/10 12:05	09/24/10 17:54	7439-92-1	
Selenium	**<2.1**	mg/kg	2.1	1	09/24/10 12:05	09/24/10 17:54	7782-49-2	
Silver	**<1.1**	mg/kg	1.1	1	09/24/10 12:05	09/24/10 17:54	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.057**	mg/kg	0.011	1	09/27/10 12:16	09/27/10 15:28	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	**<19.1**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	83-32-9	
Acenaphthylene	**19.1**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	208-96-8	
Anthracene	**107**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	120-12-7	
Benzo(a)anthracene	**207**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	56-55-3	
Benzo(a)pyrene	**214**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	50-32-8	
Benzo(b)fluoranthene	**192**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	205-99-2	
Benzo(g,h,i)perylene	**165**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	191-24-2	
Benzo(k)fluoranthene	**175**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	207-08-9	
Chrysene	**237**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	218-01-9	
Dibenz(a,h)anthracene	**60.7**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	53-70-3	
Fluoranthene	**424**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	206-44-0	
Fluorene	**<19.1**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	86-73-7	
Indeno(1,2,3-cd)pyrene	**130**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	193-39-5	
Naphthalene	**103**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	91-20-3	
Phenanthrene	**297**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	85-01-8	
Pyrene	**406**	ug/kg	19.1	1	09/28/10 12:35	09/28/10 12:42	129-00-0	
2-Fluorobiphenyl (S)	69	%	38-130	1	09/28/10 12:35	09/28/10 12:42	321-60-8	
Terphenyl-d14 (S)	77	%	36-130	1	09/28/10 12:35	09/28/10 12:42	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.6**	%	0.10	1		09/25/10 10:41		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**10.1**	Std. Units	0.10	1		09/27/10 13:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

Sample: B33 (0-4) **Lab ID: 4037406008** Collected: 09/23/10 11:21 Received: 09/23/10 16:09 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	**6.3**	mg/kg	2.3	1	09/24/10 12:05	09/24/10 17:58	7440-38-2	
Barium	**127**	mg/kg	0.57	1	09/24/10 12:05	09/24/10 17:58	7440-39-3	
Cadmium	**1.2**	mg/kg	0.57	1	09/24/10 12:05	09/24/10 17:58	7440-43-9	
Chromium	**18.7**	mg/kg	0.57	1	09/24/10 12:05	09/24/10 17:58	7440-47-3	
Lead	**168**	mg/kg	1.1	1	09/24/10 12:05	09/24/10 17:58	7439-92-1	
Selenium	**<2.3**	mg/kg	2.3	1	09/24/10 12:05	09/24/10 17:58	7782-49-2	
Silver	**<1.1**	mg/kg	1.1	1	09/24/10 12:05	09/24/10 17:58	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	**0.22**	mg/kg	0.012	1	09/27/10 12:16	09/27/10 15:29	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	**105**	ug/kg	19.3	1	09/28/10 12:35	09/28/10 12:59	83-32-9	
Acenaphthylene	**144**	ug/kg	19.3	1	09/28/10 12:35	09/28/10 12:59	208-96-8	
Anthracene	**746**	ug/kg	19.3	1	09/28/10 12:35	09/28/10 12:59	120-12-7	
Benzo(a)anthracene	**972**	ug/kg	155	8	09/28/10 12:35	09/28/10 13:33	56-55-3	
Benzo(a)pyrene	**910**	ug/kg	155	8	09/28/10 12:35	09/28/10 13:33	50-32-8	
Benzo(b)fluoranthene	**796**	ug/kg	155	8	09/28/10 12:35	09/28/10 13:33	205-99-2	
Benzo(g,h,i)perylene	**824**	ug/kg	19.3	1	09/28/10 12:35	09/28/10 12:59	191-24-2	
Benzo(k)fluoranthene	**924**	ug/kg	155	8	09/28/10 12:35	09/28/10 13:33	207-08-9	
Chrysene	**1020**	ug/kg	155	8	09/28/10 12:35	09/28/10 13:33	218-01-9	
Dibenz(a,h)anthracene	**55.2**	ug/kg	19.3	1	09/28/10 12:35	09/28/10 12:59	53-70-3	
Fluoranthene	**1940**	ug/kg	155	8	09/28/10 12:35	09/28/10 13:33	206-44-0	
Fluorene	**143**	ug/kg	19.3	1	09/28/10 12:35	09/28/10 12:59	86-73-7	
Indeno(1,2,3-cd)pyrene	**116**	ug/kg	19.3	1	09/28/10 12:35	09/28/10 12:59	193-39-5	
Naphthalene	**195**	ug/kg	19.3	1	09/28/10 12:35	09/28/10 12:59	91-20-3	
Phenanthrene	**1150**	ug/kg	155	8	09/28/10 12:35	09/28/10 13:33	85-01-8	
Pyrene	**1850**	ug/kg	155	8	09/28/10 12:35	09/28/10 13:33	129-00-0	
2-Fluorobiphenyl (S)	70	%	38-130	1	09/28/10 12:35	09/28/10 12:59	321-60-8	
Terphenyl-d14 (S)	66	%	36-130	1	09/28/10 12:35	09/28/10 12:59	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**13.8**	%	0.10	1		09/25/10 10:41		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	**7.8**	Std. Units	0.10	1		09/27/10 13:15		H1

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

QC Batch: MPRP/4573 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 4037406001, 4037406003, 4037406006, 4037406007, 4037406008

METHOD BLANK: 360011 Matrix: Solid
Associated Lab Samples: 4037406001, 4037406003, 4037406006, 4037406007, 4037406008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<2.0	2.0	09/24/10 16:40	
Barium	mg/kg	<0.50	0.50	09/24/10 16:40	
Cadmium	mg/kg	<0.50	0.50	09/24/10 16:40	
Chromium	mg/kg	<0.50	0.50	09/24/10 16:40	
Lead	mg/kg	<1.0	1.0	09/24/10 16:40	
Selenium	mg/kg	<2.0	2.0	09/24/10 16:40	
Silver	mg/kg	<1.0	1.0	09/24/10 16:40	

LABORATORY CONTROL SAMPLE: 360012

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	49.2	98	80-120	
Barium	mg/kg	50	52.4	105	80-120	
Cadmium	mg/kg	50	49.1	98	80-120	
Chromium	mg/kg	50	49.6	99	80-120	
Lead	mg/kg	50	51.1	102	80-120	
Selenium	mg/kg	50	49.5	99	80-120	
Silver	mg/kg	25	25.3	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 360013 360014

Parameter	Units	4037346001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	3.2	60.7	60.6	55.3	54.3	86	84	75-125	2	20	
Barium	mg/kg	83.4	60.7	60.6	147	148	106	107	75-125	.5	20	
Cadmium	mg/kg	0.45J	60.7	60.6	54.0	53.1	88	87	75-125	2	20	
Chromium	mg/kg	29.2	60.7	60.6	83.4	84.3	89	91	75-125	1	20	
Lead	mg/kg	9.2	60.7	60.6	60.2	60.4	84	85	75-125	.3	20	
Selenium	mg/kg	0.42J	60.7	60.6	52.1	51.5	85	84	75-125	1	20	
Silver	mg/kg	<0.054	30.3	30.3	26.5	25.6	87	85	75-125	3	20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

QC Batch: MERP/2189 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 4037406001, 4037406003, 4037406006, 4037406007, 4037406008

METHOD BLANK: 361029 Matrix: Solid
Associated Lab Samples: 4037406001, 4037406003, 4037406006, 4037406007, 4037406008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.010	09/27/10 15:18	

LABORATORY CONTROL SAMPLE: 361030

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.25	0.25	102	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 361031 361032

Parameter	Units	4037406001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.097	.29	.29	0.31	0.31	72	72	85-115	.3	20	M0

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

QC Batch: OEXT/9105 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 4037406001, 4037406003, 4037406006, 4037406007, 4037406008

METHOD BLANK: 361299 Matrix: Solid
Associated Lab Samples: 4037406001, 4037406003, 4037406006, 4037406007, 4037406008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	<16.7	16.7	09/28/10 11:34	
Acenaphthylene	ug/kg	<16.7	16.7	09/28/10 11:34	
Anthracene	ug/kg	<16.7	16.7	09/28/10 11:34	
Benzo(a)anthracene	ug/kg	<16.7	16.7	09/28/10 11:34	
Benzo(a)pyrene	ug/kg	<16.7	16.7	09/28/10 11:34	
Benzo(b)fluoranthene	ug/kg	<16.7	16.7	09/28/10 11:34	
Benzo(g,h,i)perylene	ug/kg	<16.7	16.7	09/28/10 11:34	
Benzo(k)fluoranthene	ug/kg	<16.7	16.7	09/28/10 11:34	
Chrysene	ug/kg	<16.7	16.7	09/28/10 11:34	
Dibenz(a,h)anthracene	ug/kg	<16.7	16.7	09/28/10 11:34	
Fluoranthene	ug/kg	<16.7	16.7	09/28/10 11:34	
Fluorene	ug/kg	<16.7	16.7	09/28/10 11:34	
Indeno(1,2,3-cd)pyrene	ug/kg	<16.7	16.7	09/28/10 11:34	
Naphthalene	ug/kg	<16.7	16.7	09/28/10 11:34	
Phenanthrene	ug/kg	<16.7	16.7	09/28/10 11:34	
Pyrene	ug/kg	<16.7	16.7	09/28/10 11:34	
2-Fluorobiphenyl (S)	%	71	38-130	09/28/10 11:34	
Terphenyl-d14 (S)	%	92	36-130	09/28/10 11:34	

LABORATORY CONTROL SAMPLE: 361300

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	333	262	79	62-130	
Acenaphthylene	ug/kg	333	267	80	62-130	
Anthracene	ug/kg	333	281	84	62-130	
Benzo(a)anthracene	ug/kg	333	268	81	60-130	
Benzo(a)pyrene	ug/kg	333	286	86	62-130	
Benzo(b)fluoranthene	ug/kg	333	259	78	61-130	
Benzo(g,h,i)perylene	ug/kg	333	279	84	52-130	
Benzo(k)fluoranthene	ug/kg	333	292	88	61-130	
Chrysene	ug/kg	333	276	83	54-130	
Dibenz(a,h)anthracene	ug/kg	333	300	90	55-130	
Fluoranthene	ug/kg	333	279	84	65-130	
Fluorene	ug/kg	333	278	83	58-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	291	87	55-130	
Naphthalene	ug/kg	333	284	85	59-130	
Phenanthrene	ug/kg	333	278	83	62-130	
Pyrene	ug/kg	333	283	85	58-130	
2-Fluorobiphenyl (S)	%			67	38-130	
Terphenyl-d14 (S)	%			78	36-130	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 361301 361302

Parameter	Units	4037268003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	<2.8	404	404	352	241	86	59	47-130	37	20	D6
Acenaphthylene	ug/kg	<3.2	404	404	340	239	84	59	51-130	35	20	D6
Anthracene	ug/kg	<4.7	404	404	357	244	88	60	45-130	38	22	D6
Benzo(a)anthracene	ug/kg	<2.9	404	404	319	210	79	52	44-130	41	27	D6
Benzo(a)pyrene	ug/kg	<3.3	404	404	346	219	85	54	49-130	45	27	D6
Benzo(b)fluoranthene	ug/kg	6.8J	404	404	293	212	71	51	41-130	32	32	
Benzo(g,h,i)perylene	ug/kg	<2.7	404	404	333	211	82	52	39-130	45	28	D6
Benzo(k)fluoranthene	ug/kg	<3.8	404	404	380	218	94	54	41-130	54	26	D6
Chrysene	ug/kg	<3.7	404	404	332	216	82	53	45-130	42	28	D6
Dibenz(a,h)anthracene	ug/kg	<5.5	404	404	365	227	90	56	39-130	47	25	D6
Fluoranthene	ug/kg	<10.1	404	404	337	227	83	56	47-130	39	25	D6
Fluorene	ug/kg	5.0J	404	404	359	250	88	61	46-130	36	20	D6
Indeno(1,2,3-cd)pyrene	ug/kg	<2.9	404	404	345	216	85	53	39-130	46	28	D6
Naphthalene	ug/kg	13.5J	404	404	594	299	144	71	43-130	66	22	D6,M1
Phenanthrene	ug/kg	21.5	404	404	382	256	89	58	47-130	39	20	D6
Pyrene	ug/kg	<3.7	404	404	359	240	89	59	42-130	40	25	D6
2-Fluorobiphenyl (S)	%						76	51	38-130			
Terphenyl-d14 (S)	%						92	54	36-130			

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

QC Batch: PMST/4610 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4037406001, 4037406003, 4037406006, 4037406007, 4037406008

SAMPLE DUPLICATE: 359745

Parameter	Units	4037406001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.6	12.8	13	10	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

QC Batch: WET/7284
QC Batch Method: EPA 9040
Analysis Method: EPA 9040
Analysis Description: 9040 pH
Associated Lab Samples: 4037406006

SAMPLE DUPLICATE: 361315

Parameter	Units	4037406006 Result	Dup Result	RPD	Max RPD	Qualifiers
pH	Std. Units	7.5	7.5	.1	20	H1

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

QC Batch: WET/7282 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 4037406001, 4037406003, 4037406007, 4037406008

SAMPLE DUPLICATE: 361308

Parameter	Units	4037406001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	7.9	8.0	1	5	H1

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QUALIFIERS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037406

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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October 12, 2010

Jeff McClelland
Pioneer Eng. & Env. Services
700 North Sacramento Boulevard
Chicago, IL 60612

RE: Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

Dear Jeff McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

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SAMPLE SUMMARY

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037461001	PB-6A (2.5-5)	Solid	09/24/10 08:31	09/24/10 15:38
4037461002	PB-6A (5-7.5)	Solid	09/24/10 08:37	09/24/10 15:38
4037461004	PB-6B (0-2.5)	Solid	09/24/10 09:07	09/24/10 15:38
4037461005	PB-6B (2.5-5)	Solid	09/24/10 09:11	09/24/10 15:38
4037461006	PB-6B (5-7.5)	Solid	09/24/10 09:16	09/24/10 15:38
4037461007	PB-6B (7.5-10)	Solid	09/24/10 09:24	09/24/10 15:38
4037461008	PB-6C (0-2.5)	Solid	09/24/10 09:44	09/24/10 15:38
4037461009	PB-6C (2.5-5)	Solid	09/24/10 09:49	09/24/10 15:38
4037461012	PB-6D (0-2.5)	Solid	09/24/10 10:11	09/24/10 15:38
4037461013	PB-6D (2.5-5)	Solid	09/24/10 10:15	09/24/10 15:38
4037461016	PB-6E (0-2.5)	Solid	09/24/10 10:44	09/24/10 15:38
4037461017	PB-6E (2.5-5)	Solid	09/24/10 10:48	09/24/10 15:38

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SAMPLE ANALYTE COUNT

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037461007	PB-6B (7.5-10)	EPA 8260	JJB	38	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037461017	PB-6E (2.5-5)	EPA 8260	JJB	38	PASI-G
		ASTM D2974-87	AME	1	PASI-G

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

Sample: PB-6B (7.5-10) Lab ID: **4037461007** Collected: 09/24/10 09:24 Received: 09/24/10 15:38 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	<6040	ug/kg	12000	6040	40	09/28/10 12:23	09/30/10 13:47	67-64-1	
Benzene	<537	ug/kg	959	537	40	09/28/10 12:23	09/30/10 13:47	71-43-2	
Bromodichloromethane	<447	ug/kg	2400	447	40	09/28/10 12:23	09/30/10 13:47	75-27-4	
Bromoform	<1240	ug/kg	2400	1240	40	09/28/10 12:23	09/30/10 13:47	75-25-2	
Bromomethane	<1080	ug/kg	2400	1080	40	09/28/10 12:23	09/30/10 13:47	74-83-9	
2-Butanone (MEK)	<3980	ug/kg	12000	3980	40	09/28/10 12:23	09/30/10 13:47	78-93-3	
Carbon disulfide	<347	ug/kg	2400	347	40	09/28/10 12:23	09/30/10 13:47	75-15-0	
Carbon tetrachloride	<486	ug/kg	2400	486	40	09/28/10 12:23	09/30/10 13:47	56-23-5	L2
Chlorobenzene	<392	ug/kg	2400	392	40	09/28/10 12:23	09/30/10 13:47	108-90-7	
Chloroethane	<1070	ug/kg	2400	1070	40	09/28/10 12:23	09/30/10 13:47	75-00-3	
Chloroform	<347	ug/kg	12000	347	40	09/28/10 12:23	09/30/10 13:47	67-66-3	
Chloromethane	<484	ug/kg	2400	484	40	09/28/10 12:23	09/30/10 13:47	74-87-3	
Dibromochloromethane	<499	ug/kg	2400	499	40	09/28/10 12:23	09/30/10 13:47	124-48-1	
1,1-Dichloroethane	<315	ug/kg	2400	315	40	09/28/10 12:23	09/30/10 13:47	75-34-3	
1,2-Dichloroethane	<633	ug/kg	1200	633	40	09/28/10 12:23	09/30/10 13:47	107-06-2	
1,1-Dichloroethene	<736	ug/kg	2400	736	40	09/28/10 12:23	09/30/10 13:47	75-35-4	
cis-1,2-Dichloroethene	130000	ug/kg	2400	398	40	09/28/10 12:23	09/30/10 13:47	156-59-2	
trans-1,2-Dichloroethene	5240	ug/kg	2400	897	40	09/28/10 12:23	09/30/10 13:47	156-60-5	
1,2-Dichloropropane	<408	ug/kg	2400	408	40	09/28/10 12:23	09/30/10 13:47	78-87-5	
cis-1,3-Dichloropropene	<458	ug/kg	2400	458	40	09/28/10 12:23	09/30/10 13:47	10061-01-5	
trans-1,3-Dichloropropene	<504	ug/kg	2400	504	40	09/28/10 12:23	09/30/10 13:47	10061-02-6	
Ethylbenzene	<491	ug/kg	1200	491	40	09/28/10 12:23	09/30/10 13:47	100-41-4	
2-Hexanone	<2370	ug/kg	12000	2370	40	09/28/10 12:23	09/30/10 13:47	591-78-6	CC,L2
Methylene Chloride	<392	ug/kg	2400	392	40	09/28/10 12:23	09/30/10 13:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	<755	ug/kg	2400	755	40	09/28/10 12:23	09/30/10 13:47	108-10-1	
Methyl-tert-butyl ether	<499	ug/kg	2400	499	40	09/28/10 12:23	09/30/10 13:47	1634-04-4	
Styrene	<575	ug/kg	2400	575	40	09/28/10 12:23	09/30/10 13:47	100-42-5	
1,1,2,2-Tetrachloroethane	<601	ug/kg	2400	601	40	09/28/10 12:23	09/30/10 13:47	79-34-5	
Tetrachloroethene	<520	ug/kg	2400	520	40	09/28/10 12:23	09/30/10 13:47	127-18-4	
Toluene	<368	ug/kg	2400	368	40	09/28/10 12:23	09/30/10 13:47	108-88-3	
1,1,1-Trichloroethane	<449	ug/kg	2400	449	40	09/28/10 12:23	09/30/10 13:47	71-55-6	
1,1,2-Trichloroethane	<963	ug/kg	2400	963	40	09/28/10 12:23	09/30/10 13:47	79-00-5	
Trichloroethene	<466	ug/kg	2400	466	40	09/28/10 12:23	09/30/10 13:47	79-01-6	
Vinyl chloride	32200	ug/kg	2400	480	40	09/28/10 12:23	09/30/10 13:47	75-01-4	
Xylene (Total)	<1180	ug/kg	3600	1180	40	09/28/10 12:23	09/30/10 13:47	1330-20-7	
Dibromofluoromethane (S)	0	%	67-143		40	09/28/10 12:23	09/30/10 13:47	1868-53-7	S4
Toluene-d8 (S)	0	%	67-132		40	09/28/10 12:23	09/30/10 13:47	2037-26-5	S4
4-Bromofluorobenzene (S)	0	%	55-141		40	09/28/10 12:23	09/30/10 13:47	460-00-4	S4
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	16.6	%	0.10	0.10	1		09/27/10 08:16		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

Sample: PB-6E (2.5-5) Lab ID: 4037461017 Collected: 09/24/10 10:48 Received: 09/24/10 15:38 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5035 Med Level	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	221J	ug/kg	333	168	1	09/28/10 12:23	09/30/10 13:24	67-64-1	
Benzene	107	ug/kg	26.6	14.9	1	09/28/10 12:23	09/30/10 13:24	71-43-2	
Bromodichloromethane	<12.4	ug/kg	66.6	12.4	1	09/28/10 12:23	09/30/10 13:24	75-27-4	
Bromoform	<34.5	ug/kg	66.6	34.5	1	09/28/10 12:23	09/30/10 13:24	75-25-2	
Bromomethane	<29.9	ug/kg	66.6	29.9	1	09/28/10 12:23	09/30/10 13:24	74-83-9	
2-Butanone (MEK)	<110	ug/kg	333	110	1	09/28/10 12:23	09/30/10 13:24	78-93-3	
Carbon disulfide	<9.6	ug/kg	66.6	9.6	1	09/28/10 12:23	09/30/10 13:24	75-15-0	
Carbon tetrachloride	<13.5	ug/kg	66.6	13.5	1	09/28/10 12:23	09/30/10 13:24	56-23-5	L2
Chlorobenzene	<10.9	ug/kg	66.6	10.9	1	09/28/10 12:23	09/30/10 13:24	108-90-7	
Chloroethane	<29.7	ug/kg	66.6	29.7	1	09/28/10 12:23	09/30/10 13:24	75-00-3	
Chloroform	<9.6	ug/kg	333	9.6	1	09/28/10 12:23	09/30/10 13:24	67-66-3	
Chloromethane	<13.4	ug/kg	66.6	13.4	1	09/28/10 12:23	09/30/10 13:24	74-87-3	
Dibromochloromethane	<13.9	ug/kg	66.6	13.9	1	09/28/10 12:23	09/30/10 13:24	124-48-1	
1,1-Dichloroethane	<8.7	ug/kg	66.6	8.7	1	09/28/10 12:23	09/30/10 13:24	75-34-3	
1,2-Dichloroethane	<17.6	ug/kg	33.3	17.6	1	09/28/10 12:23	09/30/10 13:24	107-06-2	
1,1-Dichloroethene	<20.4	ug/kg	66.6	20.4	1	09/28/10 12:23	09/30/10 13:24	75-35-4	
cis-1,2-Dichloroethene	4180	ug/kg	66.6	11.1	1	09/28/10 12:23	09/30/10 13:24	156-59-2	
trans-1,2-Dichloroethene	470	ug/kg	66.6	24.9	1	09/28/10 12:23	09/30/10 13:24	156-60-5	
1,2-Dichloropropane	<11.3	ug/kg	66.6	11.3	1	09/28/10 12:23	09/30/10 13:24	78-87-5	
cis-1,3-Dichloropropene	<12.7	ug/kg	66.6	12.7	1	09/28/10 12:23	09/30/10 13:24	10061-01-5	
trans-1,3-Dichloropropene	<14.0	ug/kg	66.6	14.0	1	09/28/10 12:23	09/30/10 13:24	10061-02-6	
Ethylbenzene	114	ug/kg	33.3	13.6	1	09/28/10 12:23	09/30/10 13:24	100-41-4	
2-Hexanone	<65.9	ug/kg	333	65.9	1	09/28/10 12:23	09/30/10 13:24	591-78-6	CC,L2
Methylene Chloride	<10.9	ug/kg	66.6	10.9	1	09/28/10 12:23	09/30/10 13:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	<21.0	ug/kg	66.6	21.0	1	09/28/10 12:23	09/30/10 13:24	108-10-1	
Methyl-tert-butyl ether	<13.8	ug/kg	66.6	13.8	1	09/28/10 12:23	09/30/10 13:24	1634-04-4	
Styrene	<16.0	ug/kg	66.6	16.0	1	09/28/10 12:23	09/30/10 13:24	100-42-5	
1,1,2,2-Tetrachloroethane	<16.7	ug/kg	66.6	16.7	1	09/28/10 12:23	09/30/10 13:24	79-34-5	
Tetrachloroethene	66.8	ug/kg	66.6	14.4	1	09/28/10 12:23	09/30/10 13:24	127-18-4	
Toluene	698	ug/kg	66.6	10.2	1	09/28/10 12:23	09/30/10 13:24	108-88-3	
1,1,1-Trichloroethane	<12.5	ug/kg	66.6	12.5	1	09/28/10 12:23	09/30/10 13:24	71-55-6	
1,1,2-Trichloroethane	<26.7	ug/kg	66.6	26.7	1	09/28/10 12:23	09/30/10 13:24	79-00-5	
Trichloroethene	334	ug/kg	66.6	12.9	1	09/28/10 12:23	09/30/10 13:24	79-01-6	
Vinyl chloride	7220	ug/kg	66.6	13.3	1	09/28/10 12:23	09/30/10 13:24	75-01-4	
Xylene (Total)	621	ug/kg	99.8	32.8	1	09/28/10 12:23	09/30/10 13:24	1330-20-7	
Dibromofluoromethane (S)	84	%	67-143		1	09/28/10 12:23	09/30/10 13:24	1868-53-7	
Toluene-d8 (S)	89	%	67-132		1	09/28/10 12:23	09/30/10 13:24	2037-26-5	
4-Bromofluorobenzene (S)	81	%	55-141		1	09/28/10 12:23	09/30/10 13:24	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	24.9	%	0.10	0.10	1		09/27/10 08:16		

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

QC Batch: MSV/9138
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5035 Med Prep
Associated Lab Samples: 4037461007, 4037461017

METHOD BLANK: 361626
Matrix: Solid
Associated Lab Samples: 4037461007, 4037461017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/kg	<9.4	50.0	09/30/10 13:01	
1,1,2,2-Tetrachloroethane	ug/kg	<12.5	50.0	09/30/10 13:01	
1,1,2-Trichloroethane	ug/kg	<20.1	50.0	09/30/10 13:01	
1,1-Dichloroethane	ug/kg	<6.6	50.0	09/30/10 13:01	
1,1-Dichloroethene	ug/kg	<15.4	50.0	09/30/10 13:01	
1,2-Dichloroethane	ug/kg	<13.2	25.0	09/30/10 13:01	
1,2-Dichloropropane	ug/kg	<8.5	50.0	09/30/10 13:01	
2-Butanone (MEK)	ug/kg	<82.9	250	09/30/10 13:01	
2-Hexanone	ug/kg	<49.5	250	09/30/10 13:01	CC
4-Methyl-2-pentanone (MIBK)	ug/kg	<15.8	50.0	09/30/10 13:01	
Acetone	ug/kg	<126	250	09/30/10 13:01	
Benzene	ug/kg	<11.2	20.0	09/30/10 13:01	
Bromodichloromethane	ug/kg	<9.3	50.0	09/30/10 13:01	
Bromoform	ug/kg	<25.9	50.0	09/30/10 13:01	
Bromomethane	ug/kg	<22.5	50.0	09/30/10 13:01	
Carbon disulfide	ug/kg	<7.2	50.0	09/30/10 13:01	
Carbon tetrachloride	ug/kg	<10.1	50.0	09/30/10 13:01	
Chlorobenzene	ug/kg	<8.2	50.0	09/30/10 13:01	
Chloroethane	ug/kg	<22.3	50.0	09/30/10 13:01	
Chloroform	ug/kg	<7.2	250	09/30/10 13:01	
Chloromethane	ug/kg	<10.1	50.0	09/30/10 13:01	
cis-1,2-Dichloroethene	ug/kg	<8.3	50.0	09/30/10 13:01	
cis-1,3-Dichloropropene	ug/kg	<9.6	50.0	09/30/10 13:01	
Dibromochloromethane	ug/kg	<10.4	50.0	09/30/10 13:01	
Ethylbenzene	ug/kg	<10.2	25.0	09/30/10 13:01	
Methyl-tert-butyl ether	ug/kg	<10.4	50.0	09/30/10 13:01	
Methylene Chloride	ug/kg	<8.2	50.0	09/30/10 13:01	
Styrene	ug/kg	<12.0	50.0	09/30/10 13:01	
Tetrachloroethene	ug/kg	<10.8	50.0	09/30/10 13:01	
Toluene	ug/kg	<7.7	50.0	09/30/10 13:01	
trans-1,2-Dichloroethene	ug/kg	<18.7	50.0	09/30/10 13:01	
trans-1,3-Dichloropropene	ug/kg	<10.5	50.0	09/30/10 13:01	
Trichloroethene	ug/kg	<9.7	50.0	09/30/10 13:01	
Vinyl chloride	ug/kg	<10.0	50.0	09/30/10 13:01	
Xylene (Total)	ug/kg	<24.7	75.0	09/30/10 13:01	
4-Bromofluorobenzene (S)	%	96	55-141	09/30/10 13:01	
Dibromofluoromethane (S)	%	97	67-143	09/30/10 13:01	
Toluene-d8 (S)	%	101	67-132	09/30/10 13:01	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

LABORATORY CONTROL SAMPLE & LCSD: 361627 361628

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2020	2260	81	90	67-130	11	20	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2530	2720	101	109	70-130	7	20	
1,1,2-Trichloroethane	ug/kg	2500	2720	2820	109	113	70-130	4	20	
1,1-Dichloroethane	ug/kg	2500	2660	2720	106	109	70-130	2	20	
1,1-Dichloroethene	ug/kg	2500	2790	2810	111	112	70-130	.7	20	
1,2-Dichloroethane	ug/kg	2500	2650	2760	106	110	70-130	4	20	
1,2-Dichloropropane	ug/kg	2500	2670	2750	107	110	70-130	3	20	
2-Butanone (MEK)	ug/kg	2500	2440	2620	97	105	50-150	7	20	
2-Hexanone	ug/kg	2500	1070	1240	43	50	50-150	15	20	CC,L0
4-Methyl-2-pentanone (MIBK)	ug/kg	2500	2600	2760	104	110	50-150	6	20	
Acetone	ug/kg	2500	2280	2320	91	93	45-150	2	20	
Benzene	ug/kg	2500	2570	2640	103	105	70-130	2	20	
Bromodichloromethane	ug/kg	2500	2000	2210	80	89	70-130	10	20	
Bromoform	ug/kg	2500	1760	2010	70	80	68-130	13	20	
Bromomethane	ug/kg	2500	2920	2950	117	118	52-160	1	20	
Carbon disulfide	ug/kg	2500	2760	2870	110	115	66-130	4	20	
Carbon tetrachloride	ug/kg	2500	1560	1810	63	72	70-130	15	20	L0
Chlorobenzene	ug/kg	2500	2580	2620	103	105	70-130	1	20	
Chloroethane	ug/kg	2500	3800	3970	152	159	38-172	4	20	
Chloroform	ug/kg	2500	2500	2590	100	103	70-130	3	20	
Chloromethane	ug/kg	2500	2300	2320	92	93	68-130	.9	20	
cis-1,2-Dichloroethene	ug/kg	2500	2580	2640	103	106	70-130	2	20	
cis-1,3-Dichloropropene	ug/kg	2500	2190	2400	88	96	70-130	9	20	
Dibromochloromethane	ug/kg	2500	1860	2060	74	83	70-130	11	20	
Ethylbenzene	ug/kg	2500	2560	2620	102	105	70-130	2	20	
Methylene Chloride	ug/kg	2500	2670	2760	107	110	70-130	4	20	
Styrene	ug/kg	2500	2550	2580	102	103	66-130	1	20	
Tetrachloroethene	ug/kg	2500	2500	2550	100	102	70-130	2	20	
Toluene	ug/kg	2500	2510	2570	100	103	70-130	2	20	
trans-1,2-Dichloroethene	ug/kg	2500	2540	2610	102	104	70-130	3	20	
trans-1,3-Dichloropropene	ug/kg	2500	1750	1910	70	77	70-130	9	20	
Trichloroethene	ug/kg	2500	2620	2730	105	109	70-130	4	20	
Vinyl chloride	ug/kg	2500	2280	2330	91	93	70-130	2	20	
Xylene (Total)	ug/kg	7500	7740	7820	103	104	70-130	1	20	
4-Bromofluorobenzene (S)	%				99	96	55-141			
Dibromofluoromethane (S)	%				97	96	67-143			
Toluene-d8 (S)	%				101	97	67-132			

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

QC Batch: PMST/4616
QC Batch Method: ASTM D2974-87
Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4037461007, 4037461017

SAMPLE DUPLICATE: 360742

Parameter	Units	4037461002 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%		17.6			

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QUALIFIERS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037461

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

CC	The continuing calibration for this compound is outside of method control limits. The result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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608.221.8700 Phone
608.221.4889 Fax

05 October 2010

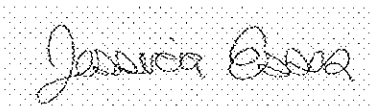
Laurie Woelfel
Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

RE: 8082 PCBs

Enclosed are the analytical results for the samples received by the laboratory on 10/02/2010. The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2003 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report must be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Jessica Esser

Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	00287	04/30/2011
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2011
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2011
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2011
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2011

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4037461002 PB-6A (5-7.5)	A104031-01	Soil	09/24/2010	10/02/2010
4037461005 PB-6B (2.5-5)	A104031-02	Soil	09/24/2010	10/02/2010
4037461009 PB-6C (2.5-5)	A104031-03	Soil	09/24/2010	10/02/2010
4037461013 PB-6D (2.5-5)	A104031-04	Soil	09/24/2010	10/02/2010
4037461017 PB-6E (2.5-5)	A104031-05	Soil	09/24/2010	10/02/2010

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

4037461002 PB-6A (5-7.5)

A104031-01 (Soil)

Date Sampled
09/24/2010 08:37

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1248	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1254	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1260	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
Total PCBs	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*98.7 %*	*69.4-165*			*10/03/2010*	*10/03/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*98.1 %*	*81.5-141*			*10/03/2010*	*10/03/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**82.7**	0.00	% by Weight	1	10/02/2010	10/03/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

4037461005 PB-6B (2.5-5)

A104031-02 (Soil)

Date Sampled
09/24/2010 09:11

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1248	**0.74**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1254	**1.9**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1260	**1.3**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Total PCBs	**3.9**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*105 %*	*69.4-165*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*82.3 %*	*81.5-141*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**80.5**	0.00	% by Weight	1	10/02/2010	10/03/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

4037461009 PB-6C (2.5-5)

A104031-03 (Soil)

Date Sampled
09/24/2010 09:49

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1248	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1254	**0.18**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1260	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Total PCBs	**0.18**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*98.7 %*	*69.4-165*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*83.5 %*	*81.5-141*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**85.2**	0.00	% by Weight	1	10/02/2010	10/03/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

4037461013 PB-6D (2.5-5)

A104031-04 (Soil)

Date Sampled
09/24/2010 10:15

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1248	**0.45**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1254	**1.1**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1260	**1.0**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Total PCBs	**2.6**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*99.6 %*	*69.4-165*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*89.9 %*	*81.5-141*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**84.2**	0.00	% by Weight	1	10/02/2010	10/03/2010	% Calculation	

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608.221.8700 Phone
608.221.4889 Fax

Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

4037461017 PB-6E (2.5-5)

A104031-05 (Soil)

Date Sampled
09/24/2010 10:17

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND	0.13	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.13	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.13	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.13	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1248	ND	0.13	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1254	**0.51**	0.13	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1260	**0.31**	0.13	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Total PCBs	**0.82**	0.13	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*99.9 %*	*69.4-165*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*93.4 %*	*81.5-141*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**74.7**	0.00	% by Weight	1	10/02/2010	10/03/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A010007 - EPA 3570										
Blank (A010007-BLK1)				Prepared: 10/02/2010 Analyzed: 10/03/2010						
PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.142*		*mg/kg wet*	*0.1200*		*118*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.118*		*mg/kg wet*	*0.1200*		*98.1*	*81.5-141*			
LCS (A010007-BS1)				Prepared: 10/02/2010 Analyzed: 10/03/2010						
PCB-1254	2.05	0.10	mg/kg wet	2.000		102	70-130		20	
Surrogate: Decachlorobiphenyl	*0.153*		*mg/kg wet*	*0.1200*		*128*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.130*		*mg/kg wet*	*0.1200*		*108*	*81.5-141*			
Matrix Spike (A010007-MS1)	**Source: A104028-01**			Prepared: 10/02/2010 Analyzed: 10/03/2010						
PCB-1254	3.16	0.17	mg/kg dry	3.396	ND	93.1	60-140		20	
Surrogate: Decachlorobiphenyl	*0.231*		*mg/kg dry*	*0.2037*		*113*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.200*		*mg/kg dry*	*0.2037*		*98.3*	*81.5-141*			
Matrix Spike Dup (A010007-MSD1)	**Source: A104028-01**			Prepared: 10/02/2010 Analyzed: 10/03/2010						
PCB-1254	3.13	0.17	mg/kg dry	3.396	ND	92.1	60-140	1.06	20	
Surrogate: Decachlorobiphenyl	*0.233*		*mg/kg dry*	*0.2037*		*114*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.202*		*mg/kg dry*	*0.2037*		*99.3*	*81.5-141*			

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A010008 - % Solids										
Duplicate (A010008-DUP1)	**Source: A104028-01**		Prepared: 10/02/2010 Analyzed: 10/03/2010							
% Solids	58.4	0.00	% by Weight		58.9			0.863	20	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037461	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Chain of Custody

A104031

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Workorder: 4037461 **Workorder Name:** 10-0461-102 3434 W 51ST **Results Requested** 10/5/2010

Report/Invoice to	Subcontract To
Laurie Woelfel Pace Analytical Green Bay 1241 Bellevue Street Suite 9 Green Bay, WI 54302 Phone (920)469-2436 Email: laurie.woelfel@pacelabs.com	ECCS 2525 Advance Road Madison, WI 53718 608-221-8700 P.O._____

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	# Preserved Containers: Unpreserved	Other					Requested Analysis: PCB (EPA 8082)												LAB USE ONLY
1	PB-6A (5-7.5)	9/24/2010 08:37	4037461002	Solid	1						X												01
2	PB-6B (2.5-5)	9/24/2010 09:11	4037461005	Solid	1						X												02
3	PB-6C (2.5-5)	9/24/2010 09:49	4037461009	Solid	1						X												03
4	PB-6D (2.5-5)	9/24/2010 10:15	4037461013	Solid	1						X												04
5	PB-6E (2.5-5)	9/24/2010 10:48	4037461017	Solid	1						X												05

Transfers	Released By	Date/Time	Received By	Date/Time
1	[illegible] 10/1/10	1600	FedEx	
2			[illegible] 10-02-10 1000	
3				
4				
5				

Comments: on ice via FedEx

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October 15, 2010

Jeff McClelland
Pioneer Eng. & Env. Services
700 North Sacramento Boulevard
Chicago, IL 60612

RE: Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Dear Jeff McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on September 24, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037478003	PB-2A (5-7.5)	Solid	09/24/10 11:29	09/24/10 17:00
4037478005	PB-2B (0-2.5)	Solid	09/24/10 12:01	09/24/10 17:00
4037478006	PB-2B (2.5-5)	Solid	09/24/10 12:08	09/24/10 17:00
4037478009	PB-2C (0-2.5)	Solid	09/24/10 12:40	09/24/10 17:00
4037478013	PB-2D (0-2.5)	Solid	09/24/10 13:00	09/24/10 17:00
4037478017	PB-2E (0-2.5)	Solid	09/24/10 13:34	09/24/10 17:00
4037478021	PB-3A (2.5-5)	Solid	09/24/10 08:37	09/24/10 17:00
4037478022	PB-3A (5-7.5)	Solid	09/24/10 08:40	09/24/10 17:00
4037478024	PB-3B (0-2.5)	Solid	09/24/10 09:04	09/24/10 17:00
4037478025	PB-3B (2.5-5)	Solid	09/24/10 09:07	09/24/10 17:00
4037478028	PB-3C (0-2.5)	Solid	09/24/10 09:30	09/24/10 17:00
4037478029	PB-3C (2.5-5)	Solid	09/24/10 09:35	09/24/10 17:00
4037478032	PB-3D (0-2.5)	Solid	09/24/10 10:10	09/24/10 17:00
4037478033	PB-3D (2.5-5)	Solid	09/24/10 10:14	09/24/10 17:00
4037478036	PB-3E (0-2.5)	Solid	09/24/10 10:45	09/24/10 17:00
4037478037	PB-3E (2.5-5)	Solid	09/24/10 10:50	09/24/10 17:00

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SAMPLE ANALYTE COUNT

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037478003	PB-2A (5-7.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478005	PB-2B (0-2.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478006	PB-2B (2.5-5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478009	PB-2C (0-2.5)	EPA 8082	LKC	8	PASI-I
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478013	PB-2D (0-2.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478017	PB-2E (0-2.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478021	PB-3A (2.5-5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478022	PB-3A (5-7.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478024	PB-3B (0-2.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478025	PB-3B (2.5-5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478028	PB-3C (0-2.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478029	PB-3C (2.5-5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478032	PB-3D (0-2.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478033	PB-3D (2.5-5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478036	PB-3E (0-2.5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G
4037478037	PB-3E (2.5-5)	EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	AME	1	PASI-G

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-2A (5-7.5) Lab ID: **4037478003** Collected: 09/24/10 11:29 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	**<0.015**	mg/L	0.015	2	09/28/10 10:10	09/29/10 10:04	7439-92-1	D3
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**20.1**	%	0.10	1		09/27/10 08:05		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-2B (0-2.5) **Lab ID: 4037478005** Collected: 09/24/10 12:01 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	**6.9**	mg/L	0.0075	1	09/28/10 10:10	09/29/10 07:58	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.6**	%	0.10	1		09/27/10 08:05		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-2B (2.5-5) Lab ID: 4037478006 Collected: 09/24/10 12:08 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/30/10 00:00							
Lead	0.97	mg/L	0.0075	1	10/01/10 10:25	10/01/10 22:16	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	20.3	%	0.10	1		09/27/10 08:05		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-2C (0-2.5) Lab ID: 4037478009 Collected: 09/24/10 12:40 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	**<380**	ug/kg	380	10	10/08/10 12:30	10/12/10 22:38	12674-11-2	
PCB-1221 (Aroclor 1221)	**<380**	ug/kg	380	10	10/08/10 12:30	10/12/10 22:38	11104-28-2	
PCB-1232 (Aroclor 1232)	**<380**	ug/kg	380	10	10/08/10 12:30	10/12/10 22:38	11141-16-5	
PCB-1242 (Aroclor 1242)	**<380**	ug/kg	380	10	10/08/10 12:30	10/12/10 22:38	53469-21-9	
PCB-1248 (Aroclor 1248)	**<380**	ug/kg	380	10	10/08/10 12:30	10/12/10 22:38	12672-29-6	
PCB-1254 (Aroclor 1254)	**1310**	ug/kg	380	10	10/08/10 12:30	10/12/10 22:38	11097-69-1	
PCB-1260 (Aroclor 1260)	**<380**	ug/kg	380	10	10/08/10 12:30	10/12/10 22:38	11096-82-5	
Tetrachloro-m-xylene (S)	0	%	32-105	10	10/08/10 12:30	10/12/10 22:38	877-09-8	S4
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	**2.3**	mg/L	0.0075	1	09/28/10 10:10	09/29/10 08:03	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**7.9**	%	0.10	1		09/27/10 08:06		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-2D (0-2.5) **Lab ID: 4037478013** Collected: 09/24/10 13:00 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	2.9	mg/L	0.0075	1	09/28/10 10:10	09/29/10 08:15	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	12.6	%	0.10	1		09/27/10 08:06		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-2E (0-2.5) Lab ID: 4037478017 Collected: 09/24/10 13:34 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	**0.32**	mg/L	0.0075	1	09/28/10 10:10	09/29/10 08:19	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**8.0**	%	0.10	1		09/27/10 08:06		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3A (2.5-5) Lab ID: 4037478021 Collected: 09/24/10 08:37 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	**6.3**	mg/L	0.0075	1	09/28/10 10:10	09/29/10 08:23	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**30.4**	%	0.10	1		09/27/10 08:08		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3A (5-7.5) **Lab ID: 4037478022** Collected: 09/24/10 08:40 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/30/10 00:00							
Lead	0.026	mg/L	0.0075	1	10/01/10 10:25	10/01/10 22:29	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	17.8	%	0.10	1		09/27/10 08:08		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3B (0-2.5) Lab ID: 4037478024 Collected: 09/24/10 09:04 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	**60.9**	mg/L	0.075	10	09/28/10 10:10	09/29/10 10:16	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**14.8**	%	0.10	1		09/27/10 08:08		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3B (2.5-5) Lab ID: 4037478025 Collected: 09/24/10 09:07 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/30/10 00:00							
Lead	0.35	mg/L	0.0075	1	10/01/10 10:25	10/01/10 22:41	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	25.4	%	0.10	1		09/27/10 08:08		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3C (0-2.5) Lab ID: 4037478028 Collected: 09/24/10 09:30 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	13.7	mg/L	0.0075	1	09/28/10 10:10	09/29/10 08:31	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	17.8	%	0.10	1		09/27/10 08:12		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3C (2.5-5) Lab ID: 4037478029 Collected: 09/24/10 09:35 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/30/10 00:00							
Lead	**0.17**	mg/L	0.0075	1	10/01/10 10:25	10/01/10 22:45	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**16.2**	%	0.10	1		09/27/10 08:12		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3D (0-2.5) Lab ID: 4037478032 Collected: 09/24/10 10:10 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	189	mg/L	0.075	10	09/28/10 10:10	09/29/10 10:20	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	15.6	%	0.10	1		09/27/10 08:12		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3D (2.5-5) **Lab ID: 4037478033** Collected: 09/24/10 10:14 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/30/10 00:00							
Lead	**0.012**	mg/L	0.0075	1	10/01/10 10:25	10/01/10 22:49	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**29.3**	%	0.10	1		09/27/10 08:12		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3E (0-2.5) **Lab ID: 4037478036** Collected: 09/24/10 10:45 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/27/10 00:00							
Lead	7.3	mg/L	0.0075	1	09/28/10 10:10	09/29/10 08:40	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	15.3	%	0.10	1		09/27/10 08:13		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

Sample: PB-3E (2.5-5) Lab ID: 4037478037 Collected: 09/24/10 10:50 Received: 09/24/10 17:00 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 09/30/10 00:00							
Lead	1.0	mg/L	0.0075	1	10/01/10 10:25	10/01/10 22:53	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	18.6	%	0.10	1		09/27/10 08:13		

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

QC Batch: GCSV/21246
QC Batch Method: EPA 8082
Associated Lab Samples: 4037478009

Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB

METHOD BLANK: 492420 Matrix: Solid
Associated Lab Samples: 4037478009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<35.0	35.0	10/11/10 15:23	
PCB-1221 (Aroclor 1221)	ug/kg	<35.0	35.0	10/11/10 15:23	
PCB-1232 (Aroclor 1232)	ug/kg	<35.0	35.0	10/11/10 15:23	
PCB-1242 (Aroclor 1242)	ug/kg	<35.0	35.0	10/11/10 15:23	
PCB-1248 (Aroclor 1248)	ug/kg	<35.0	35.0	10/11/10 15:23	
PCB-1254 (Aroclor 1254)	ug/kg	<35.0	35.0	10/11/10 15:23	
PCB-1260 (Aroclor 1260)	ug/kg	<35.0	35.0	10/11/10 15:23	
Tetrachloro-m-xylene (S)	%	89	32-105	10/11/10 15:23	

LABORATORY CONTROL SAMPLE: 492421

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	118	71	49-112	
PCB-1260 (Aroclor 1260)	ug/kg	167	130	78	58-111	
Tetrachloro-m-xylene (S)	%			84	32-105	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493647 493648

Parameter	Units	5042167001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	223	223	123	122	55	55	14-135	.8	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	223	223	124	107	56	48	18-124	15	20	
Tetrachloro-m-xylene (S)	%						70	57	32-105		20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

QC Batch: MPRP/4593 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4037478003, 4037478005, 4037478009, 4037478013, 4037478017, 4037478021, 4037478024, 4037478028, 4037478032, 4037478036

METHOD BLANK: 362027 Matrix: Water
Associated Lab Samples: 4037478003, 4037478005, 4037478009, 4037478013, 4037478017, 4037478021, 4037478024, 4037478028, 4037478032, 4037478036

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0075	0.0075	09/29/10 07:38	

LABORATORY CONTROL SAMPLE: 362028

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	.5	0.50	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 362029 362030

Parameter	Units	4037478003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	<0.015	.5	.5	0.47	0.48	91	94	75-125	3	20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

QC Batch: MPRP/4609 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4037478006, 4037478022, 4037478025, 4037478029, 4037478033, 4037478037

METHOD BLANK: 364238 Matrix: Water
Associated Lab Samples: 4037478006, 4037478022, 4037478025, 4037478029, 4037478033, 4037478037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0075	0.0075	10/01/10 22:09	

LABORATORY CONTROL SAMPLE: 364239

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	.5	0.51	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 364240 364241

Parameter	Units	4037478006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	0.97	.5	.5	1.5	1.5	100	101	75-125	.1	20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

QC Batch: PMST/4614 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4037478003, 4037478005, 4037478006, 4037478009, 4037478013, 4037478017

SAMPLE DUPLICATE: 360672

Parameter	Units	4037478001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%		13.0			

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

QC Batch: PMST/4615 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4037478021, 4037478022, 4037478024, 4037478025, 4037478028, 4037478029, 4037478032, 4037478033, 4037478036, 4037478037

SAMPLE DUPLICATE: 360719

Parameter	Units	4037478021 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	30.4	30.6	.4	10	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037478

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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01 October 2010

Laurie Woelfel
Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

RE: 8082 PCBs

Enclosed are the analytical results for the samples received by the laboratory on 09/28/2010. The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the NELAC Standards. This analytical report must be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser

Project Manager

Certification List

ILEPA	Illinois Secondary NELAP Accreditation	00287	04/30/2011
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2011
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2011
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2011
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2011

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Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037526	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/01/2010

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4037526-009 PB-24 0-4'	A104003-01	Soil	09/27/2010	09/28/2010
4037526-011 PB-25 0-4'	A104003-02	Soil	09/27/2010	09/28/2010

Continuing calibration verification (CCV) indicates a potential high bias for PCB-1242. Samples were less than the reporting limit so no action is required.

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037526	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/01/2010

4037526-009 PB-24 0-4'

A104003-01 (Soil)

Date Sampled
09/27/2010 11:27

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	**0.50**	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1248	**1.2**	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1254	**5.1**	1.2	mg/kg dry	10	09/28/2010	09/30/2010	PCBs BY EPA 8082	D
PCB-1260	**5.4**	1.2	mg/kg dry	10	09/28/2010	09/30/2010	PCBs BY EPA 8082	D
Total PCBs	**12**	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*150 %*	*69.4-165*			*09/28/2010*	*09/30/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*96.7 %*	*81.5-141*			*09/28/2010*	*09/30/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**83.3**	0.00	% by Weight	1	09/28/2010	09/29/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037526	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/01/2010

4037526-011 PB-25 0-4'

A104003-02 (Soil)

Date Sampled
09/27/2010 12:04

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
		ECCS						
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	**0.40**	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1248	**1.6**	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1254	**2.9**	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
PCB-1260	**1.0**	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
Total PCBs	**6.0**	0.12	mg/kg dry	1	09/28/2010	09/30/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*88.6 %*	*69.4-165*			*09/28/2010*	*09/30/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*95.2 %*	*81.5-141*			*09/28/2010*	*09/30/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**80.0**	0.00	% by Weight	1	09/28/2010	09/29/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037526	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/01/2010

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A009078 - EPA 3570										
Blank (A009078-BLK1)				Prepared: 09/28/2010 Analyzed: 09/29/2010						
PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.118*		*mg/kg wet*	*0.1200*		*98.0*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.129*		*mg/kg wet*	*0.1200*		*108*	*81.5-141*			
LCS (A009078-BS1)				Prepared: 09/28/2010 Analyzed: 09/29/2010						
PCB-1254	2.09	0.10	mg/kg wet	2.000		105	70-130		20	
Surrogate: Decachlorobiphenyl	*0.127*		*mg/kg wet*	*0.1200*		*106*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.124*		*mg/kg wet*	*0.1200*		*103*	*81.5-141*			

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037526	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/01/2010

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A009073 - % Solids										
Duplicate (A009073-DUP1)		**Source: A104003-01**		Prepared: 09/28/2010 Analyzed: 09/29/2010						
% Solids	80.8	0.00	% by Weight		83.3			3.05	20	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037526	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/01/2010

Notes and Definitions

D	Data reported from a dilution
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

A104003

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of

Due Fri 10/1

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ECCS

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Pace - GB
Branch/Location:	
Project Contact:	
Phone:	
Project Number:	
Project Name:	
Project State:	
Sampled By (Print):	
Sampled By (Sign):	
PO.#:	Regulatory Program:

FILTERED? (YES/NO)
PRESERVATION (CODE)*

Quote #:	
Mail To Contact:	Connie Wolfe
Mail To Company:	
Mail To Address:	
Invoice To Contact:	
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
- ☐ EPA Level III
- ☐ EPA Level IV

MS/MSD
- ☐ On your sample (billable)
- ☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, St = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	PCB	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
		~~9/27~~	LW			~~PB-24 0-4~~		
	4037526-009	9/27	11:27		✓	PB-24 0-4'	01	
	4037526-011	9/27	12:04		✓	PB-25 0-4'	02	

ECCS
2525 Advance Rd
Madison, WI
53718

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9/27/10 3:50 pm	[signature]	9/28/10

PACE Project No.

Receipt Temp = Nice °C

Sample Receipt pH
OK / Adjusted

Cooler Custody Seal
Present / Not Present
Intact / Not Intact

Version 6.0 (1/1/10)

Page 8 of 8 A10[illegible] FINAL 10 01 2010 1427

09/27/2010 15:45 9204698827 PACE ANALYTICA PAGE 01/01

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

October 15, 2010

Jeff McClelland
Pioneer Eng. & Env. Services
700 North Sacramento Boulevard
Chicago, IL 60612

RE: Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Dear Jeff McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on September 27, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037526001	PB-20 (0-4)	Solid	09/27/10 08:41	09/27/10 15:40
4037526003	PB-21 (0-4)	Solid	09/27/10 09:31	09/27/10 15:40
4037526005	PB-22 (0-4)	Solid	09/27/10 10:09	09/27/10 15:40
4037526007	PB-23 (0-4)	Solid	09/27/10 10:50	09/27/10 15:40
4037526009	PB-24 (0-4)	Solid	09/27/10 11:27	09/27/10 15:40
4037526010	PB-24 (4-8)	Solid	09/27/10 11:34	09/27/10 15:40
4037526011	PB-25 (0-4)	Solid	09/27/10 12:04	09/27/10 15:40
4037526012	PB-25 (4-8)	Solid	09/27/10 12:11	09/27/10 15:40
4037526013	PB-26 (4-8)	Solid	09/27/10 13:09	09/27/10 15:40
4037526014	PB-27 (4-8)	Solid	09/27/10 14:01	09/27/10 15:40

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SAMPLE ANALYTE COUNT

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037526001	PB-20 (0-4)	EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	MRN	1	PASI-G
		EPA 9045	MY	1	PASI-G
4037526003	PB-21 (0-4)	EPA 8082	LKC	8	PASI-I
		EPA 6010	DLB	7	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	MRN	1	PASI-G
		EPA 9045	MY	1	PASI-G
4037526005	PB-22 (0-4)	EPA 8082	LKC	8	PASI-I
		EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	MRN	1	PASI-G
		EPA 9045	MY	1	PASI-G
4037526007	PB-23 (0-4)	EPA 8082	LKC	8	PASI-I
		EPA 6010	DLB	7	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	MRN	1	PASI-G
		EPA 9045	MY	1	PASI-G
4037526009	PB-24 (0-4)	EPA 6010	DLB	7	PASI-G
		EPA 6010	DLB	1	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	MRN	1	PASI-G
		EPA 9045	MY	1	PASI-G
4037526010	PB-24 (4-8)	EPA 8082	LKC	8	PASI-I
		ASTM D2974-87	MRN	1	PASI-G
4037526011	PB-25 (0-4)	EPA 6010	DLB	7	PASI-G
		EPA 6010	DLB	2	PASI-G
		EPA 7471	CMS	1	PASI-G
		EPA 8270 by SIM	ARO	18	PASI-G
		ASTM D2974-87	MRN	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 9045	MY	1	PASI-G
4037526012	PB-25 (4-8)	EPA 8082	LKC	8	PASI-I
		ASTM D2974-87	MRN	1	PASI-G
4037526013	PB-26 (4-8)	EPA 8260	JJB	7	PASI-G
		ASTM D2974-87	MRN	1	PASI-G
4037526014	PB-27 (4-8)	EPA 8260	JJB	7	PASI-G
		ASTM D2974-87	MRN	1	PASI-G

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-20 (0-4) Lab ID: 4037526001 Collected: 09/27/10 08:41 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	10.0	mg/kg	2.3	1	09/28/10 16:00	09/29/10 12:36	7440-38-2	
Barium	86.5	mg/kg	0.58	1	09/28/10 16:00	09/29/10 12:36	7440-39-3	M0, R1
Cadmium	1.8	mg/kg	0.58	1	09/28/10 16:00	09/29/10 12:36	7440-43-9	
Chromium	17.2	mg/kg	0.58	1	09/28/10 16:00	09/29/10 12:36	7440-47-3	
Lead	216	mg/kg	1.2	1	09/28/10 16:00	09/29/10 12:36	7439-92-1	M0, R1
Selenium	<2.3	mg/kg	2.3	1	09/28/10 16:00	09/29/10 12:36	7782-49-2	
Silver	<1.2	mg/kg	1.2	1	09/28/10 16:00	09/29/10 12:36	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.11	mg/kg	0.012	1	09/29/10 10:19	09/30/10 10:26	7439-97-6	M0
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<38.8	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	83-32-9	
Acenaphthylene	55.5	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	208-96-8	
Anthracene	87.6	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	120-12-7	
Benzo(a)anthracene	312	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	56-55-3	
Benzo(a)pyrene	264	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	50-32-8	
Benzo(b)fluoranthene	277	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	205-99-2	
Benzo(g,h,i)perylene	170	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	191-24-2	
Benzo(k)fluoranthene	208	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	207-08-9	
Chrysene	277	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	218-01-9	
Dibenz(a,h)anthracene	76.7	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	53-70-3	
Fluoranthene	418	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	206-44-0	
Fluorene	<38.8	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	86-73-7	
Indeno(1,2,3-cd)pyrene	148	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	193-39-5	
Naphthalene	62.0	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	91-20-3	
Phenanthrene	289	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	85-01-8	
Pyrene	501	ug/kg	38.8	2	10/05/10 14:08	10/05/10 19:32	129-00-0	
2-Fluorobiphenyl (S)	38	%	38-130	2	10/05/10 14:08	10/05/10 19:32	321-60-8	
Terphenyl-d14 (S)	48	%	36-130	2	10/05/10 14:08	10/05/10 19:32	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	14.1	%	0.10	1		09/28/10 16:19		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	9.2	Std. Units	0.10	1		10/11/10 12:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-21 (0-4) Lab ID: 4037526003 Collected: 09/27/10 09:31 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	<40.0	ug/kg	40.0	1	10/11/10 00:40	10/12/10 22:26	12674-11-2	
PCB-1221 (Aroclor 1221)	<40.0	ug/kg	40.0	1	10/11/10 00:40	10/12/10 22:26	11104-28-2	
PCB-1232 (Aroclor 1232)	<40.0	ug/kg	40.0	1	10/11/10 00:40	10/12/10 22:26	11141-16-5	
PCB-1242 (Aroclor 1242)	<40.0	ug/kg	40.0	1	10/11/10 00:40	10/12/10 22:26	53469-21-9	
PCB-1248 (Aroclor 1248)	<40.0	ug/kg	40.0	1	10/11/10 00:40	10/12/10 22:26	12672-29-6	
PCB-1254 (Aroclor 1254)	<40.0	ug/kg	40.0	1	10/11/10 00:40	10/12/10 22:26	11097-69-1	
PCB-1260 (Aroclor 1260)	<40.0	ug/kg	40.0	1	10/11/10 00:40	10/12/10 22:26	11096-82-5	
Tetrachloro-m-xylene (S)	73	%	32-105	1	10/11/10 00:40	10/12/10 22:26	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	15.4	mg/kg	2.0	1	09/28/10 16:00	09/29/10 16:40	7440-38-2	
Barium	94.5	mg/kg	0.50	1	09/28/10 16:00	09/29/10 16:40	7440-39-3	
Cadmium	8.1	mg/kg	0.50	1	09/28/10 16:00	09/29/10 16:40	7440-43-9	
Chromium	10.0	mg/kg	0.50	1	09/28/10 16:00	09/29/10 16:40	7440-47-3	
Lead	1500	mg/kg	1.0	1	09/28/10 16:00	09/29/10 16:40	7439-92-1	
Selenium	<2.0	mg/kg	2.0	1	09/28/10 16:00	09/29/10 16:40	7782-49-2	
Silver	<1.0	mg/kg	1.0	1	09/28/10 16:00	09/29/10 16:40	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 10/05/10 00:00							
Lead	0.68	mg/L	0.0075	1	10/06/10 10:40	10/06/10 21:27	7439-92-1	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	1.4	mg/kg	0.23	20	09/29/10 10:19	09/30/10 10:42	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	257	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	83-32-9	
Acenaphthylene	130	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	208-96-8	
Anthracene	612	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	120-12-7	
Benzo(a)anthracene	743	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	56-55-3	
Benzo(a)pyrene	704	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	50-32-8	
Benzo(b)fluoranthene	585	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	205-99-2	
Benzo(g,h,i)perylene	358	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	191-24-2	
Benzo(k)fluoranthene	626	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	207-08-9	
Chrysene	780	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	218-01-9	
Dibenz(a,h)anthracene	123	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	53-70-3	
Fluoranthene	1690	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	206-44-0	
Fluorene	122	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	86-73-7	
Indeno(1,2,3-cd)pyrene	318	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	193-39-5	
Naphthalene	472	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	91-20-3	
Phenanthrene	771	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	85-01-8	
Pyrene	1630	ug/kg	95.1	5	10/05/10 14:08	10/05/10 19:15	129-00-0	
2-Fluorobiphenyl (S)	38	%	38-130	5	10/05/10 14:08	10/05/10 19:15	321-60-8	
Terphenyl-d14 (S)	36	%	36-130	5	10/05/10 14:08	10/05/10 19:15	1718-51-0	

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-21 (0-4) **Lab ID: 4037526003** Collected: 09/27/10 09:31 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	12.4	%	0.10	1		09/28/10 16:20		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	8.4	Std. Units	0.10	1		10/11/10 12:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-22 (0-4) Lab ID: 4037526005 Collected: 09/27/10 10:09 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	<42.1	ug/kg	42.1	1	10/11/10 00:40	10/11/10 22:36	12674-11-2	
PCB-1221 (Aroclor 1221)	<42.1	ug/kg	42.1	1	10/11/10 00:40	10/11/10 22:36	11104-28-2	
PCB-1232 (Aroclor 1232)	<42.1	ug/kg	42.1	1	10/11/10 00:40	10/11/10 22:36	11141-16-5	
PCB-1242 (Aroclor 1242)	<42.1	ug/kg	42.1	1	10/11/10 00:40	10/11/10 22:36	53469-21-9	
PCB-1248 (Aroclor 1248)	<42.1	ug/kg	42.1	1	10/11/10 00:40	10/11/10 22:36	12672-29-6	
PCB-1254 (Aroclor 1254)	<42.1	ug/kg	42.1	1	10/11/10 00:40	10/11/10 22:36	11097-69-1	
PCB-1260 (Aroclor 1260)	<42.1	ug/kg	42.1	1	10/11/10 00:40	10/11/10 22:36	11096-82-5	
Tetrachloro-m-xylene (S)	46	%	32-105	1	10/11/10 00:40	10/11/10 22:36	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	11.8	mg/kg	2.2	1	09/28/10 16:00	09/29/10 12:52	7440-38-2	
Barium	62.9	mg/kg	0.55	1	09/28/10 16:00	09/29/10 12:52	7440-39-3	
Cadmium	0.92	mg/kg	0.55	1	09/28/10 16:00	09/29/10 12:52	7440-43-9	
Chromium	23.7	mg/kg	0.55	1	09/28/10 16:00	09/29/10 12:52	7440-47-3	
Lead	40.7	mg/kg	1.1	1	09/28/10 16:00	09/29/10 12:52	7439-92-1	
Selenium	<2.2	mg/kg	2.2	1	09/28/10 16:00	09/29/10 12:52	7782-49-2	
Silver	<1.1	mg/kg	1.1	1	09/28/10 16:00	09/29/10 12:52	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.47	mg/kg	0.012	1	09/29/10 10:19	09/30/10 10:31	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	472	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	83-32-9	
Acenaphthylene	<401	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	208-96-8	
Anthracene	1630	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	120-12-7	
Benzo(a)anthracene	2230	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	56-55-3	
Benzo(a)pyrene	1920	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	50-32-8	
Benzo(b)fluoranthene	1530	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	205-99-2	
Benzo(g,h,i)perylene	1130	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	191-24-2	
Benzo(k)fluoranthene	1810	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	207-08-9	
Chrysene	2440	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	218-01-9	
Dibenz(a,h)anthracene	<401	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	53-70-3	
Fluoranthene	5350	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	206-44-0	
Fluorene	<401	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	86-73-7	
Indeno(1,2,3-cd)pyrene	916	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	193-39-5	
Naphthalene	<401	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	91-20-3	
Phenanthrene	2770	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	85-01-8	
Pyrene	4460	ug/kg	401	20	09/29/10 12:07	09/30/10 22:52	129-00-0	
2-Fluorobiphenyl (S)	61	%	38-130	20	09/29/10 12:07	09/30/10 22:52	321-60-8	
Terphenyl-d14 (S)	74	%	36-130	20	09/29/10 12:07	09/30/10 22:52	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	16.8	%	0.10	1		09/28/10 16:20		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-22 (0-4) Lab ID: 4037526005 Collected: 09/27/10 10:09 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	8.8	Std. Units	0.10	1		10/11/10 12:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-23 (0-4) **Lab ID: 4037526007** Collected: 09/27/10 10:50 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	<136	ug/kg	136	1	10/11/10 00:40	10/11/10 22:42	12674-11-2	P1
PCB-1221 (Aroclor 1221)	<136	ug/kg	136	1	10/11/10 00:40	10/11/10 22:42	11104-28-2	
PCB-1232 (Aroclor 1232)	<136	ug/kg	136	1	10/11/10 00:40	10/11/10 22:42	11141-16-5	
PCB-1242 (Aroclor 1242)	<136	ug/kg	136	1	10/11/10 00:40	10/11/10 22:42	53469-21-9	
PCB-1248 (Aroclor 1248)	<136	ug/kg	136	1	10/11/10 00:40	10/11/10 22:42	12672-29-6	
PCB-1254 (Aroclor 1254)	<136	ug/kg	136	1	10/11/10 00:40	10/11/10 22:42	11097-69-1	
PCB-1260 (Aroclor 1260)	<136	ug/kg	136	1	10/11/10 00:40	10/11/10 22:42	11096-82-5	
Tetrachloro-m-xylene (S)	68	%	32-105	1	10/11/10 00:40	10/11/10 22:42	877-09-8	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	2.3	mg/kg	1.9	1	09/28/10 16:00	09/29/10 13:04	7440-38-2	
Barium	15.1	mg/kg	0.48	1	09/28/10 16:00	09/29/10 16:44	7440-39-3	
Cadmium	<0.48	mg/kg	0.48	1	09/28/10 16:00	09/29/10 13:04	7440-43-9	
Chromium	4.9	mg/kg	0.48	1	09/28/10 16:00	09/29/10 13:04	7440-47-3	
Lead	4.3	mg/kg	0.96	1	09/28/10 16:00	09/29/10 13:04	7439-92-1	
Selenium	<1.9	mg/kg	1.9	1	09/28/10 16:00	09/29/10 13:04	7782-49-2	
Silver	<0.96	mg/kg	0.96	1	09/28/10 16:00	09/29/10 13:04	7440-22-4	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.011	mg/kg	0.010	1	09/29/10 10:19	09/30/10 10:33	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	83-32-9	
Acenaphthylene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	208-96-8	
Anthracene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	120-12-7	
Benzo(a)anthracene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	56-55-3	
Benzo(a)pyrene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	50-32-8	
Benzo(b)fluoranthene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	205-99-2	
Benzo(g,h,i)perylene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	191-24-2	
Benzo(k)fluoranthene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	207-08-9	
Chrysene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	218-01-9	
Dibenz(a,h)anthracene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	53-70-3	
Fluoranthene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	206-44-0	
Fluorene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	86-73-7	
Indeno(1,2,3-cd)pyrene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	193-39-5	
Naphthalene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	91-20-3	D3
Phenanthrene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	85-01-8	
Pyrene	<345	ug/kg	345	20	10/05/10 14:08	10/05/10 17:22	129-00-0	
2-Fluorobiphenyl (S)	44	%	38-130	20	10/05/10 14:08	10/05/10 17:22	321-60-8	
Terphenyl-d14 (S)	50	%	36-130	20	10/05/10 14:08	10/05/10 17:22	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	3.5	%	0.10	1		09/28/10 16:20		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-23 (0-4) Lab ID: 4037526007 Collected: 09/27/10 10:50 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	9.4	Std. Units	0.10	1		10/11/10 12:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-24 (0-4) Lab ID: 4037526009 Collected: 09/27/10 11:27 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	23.9	mg/kg	2.4	1	09/28/10 16:00	09/29/10 13:08	7440-38-2	
Barium	1400	mg/kg	0.61	1	09/28/10 16:00	09/29/10 16:48	7440-39-3	
Cadmium	15.6	mg/kg	0.61	1	09/28/10 16:00	09/29/10 13:08	7440-43-9	
Chromium	109	mg/kg	0.61	1	09/28/10 16:00	09/29/10 13:08	7440-47-3	
Lead	2420	mg/kg	1.2	1	09/28/10 16:00	09/29/10 13:08	7439-92-1	
Selenium	<2.4	mg/kg	2.4	1	09/28/10 16:00	09/29/10 13:08	7782-49-2	
Silver	2.7	mg/kg	1.2	1	09/28/10 16:00	09/29/10 13:08	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 10/05/10 00:00							
Lead	1.7	mg/L	0.0075	1	10/06/10 10:40	10/06/10 21:47	7439-92-1	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	1.0	mg/kg	0.12	10	09/29/10 10:19	09/30/10 10:44	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	<103	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	83-32-9	
Acenaphthylene	<103	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	208-96-8	
Anthracene	220	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	120-12-7	
Benzo(a)anthracene	433	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	56-55-3	
Benzo(a)pyrene	479	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	50-32-8	
Benzo(b)fluoranthene	392	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	205-99-2	
Benzo(g,h,i)perylene	265	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	191-24-2	
Benzo(k)fluoranthene	500	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	207-08-9	
Chrysene	544	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	218-01-9	
Dibenz(a,h)anthracene	<103	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	53-70-3	
Fluoranthene	937	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	206-44-0	
Fluorene	135	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	86-73-7	
Indeno(1,2,3-cd)pyrene	228	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	193-39-5	
Naphthalene	223	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	91-20-3	
Phenanthrene	638	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	85-01-8	
Pyrene	885	ug/kg	103	5	10/05/10 14:08	10/05/10 19:49	129-00-0	
2-Fluorobiphenyl (S)	41	%	38-130	5	10/05/10 14:08	10/05/10 19:49	321-60-8	
Terphenyl-d14 (S)	42	%	36-130	5	10/05/10 14:08	10/05/10 19:49	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	19.0	%	0.10	1		09/28/10 16:20		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	8.1	Std. Units	0.10	1		10/11/10 12:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-24 (4-8) Lab ID: 4037526010 Collected: 09/27/10 11:34 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	**<43.0**	ug/kg	43.0	1	10/11/10 00:40	10/11/10 22:48	12674-11-2	
PCB-1221 (Aroclor 1221)	**<43.0**	ug/kg	43.0	1	10/11/10 00:40	10/11/10 22:48	11104-28-2	
PCB-1232 (Aroclor 1232)	**<43.0**	ug/kg	43.0	1	10/11/10 00:40	10/11/10 22:48	11141-16-5	
PCB-1242 (Aroclor 1242)	**<43.0**	ug/kg	43.0	1	10/11/10 00:40	10/11/10 22:48	53469-21-9	
PCB-1248 (Aroclor 1248)	**<43.0**	ug/kg	43.0	1	10/11/10 00:40	10/11/10 22:48	12672-29-6	
PCB-1254 (Aroclor 1254)	**<43.0**	ug/kg	43.0	1	10/11/10 00:40	10/11/10 22:48	11097-69-1	
PCB-1260 (Aroclor 1260)	**<43.0**	ug/kg	43.0	1	10/11/10 00:40	10/11/10 22:48	11096-82-5	
Tetrachloro-m-xylene (S)	50	%	32-105	1	10/11/10 00:40	10/11/10 22:48	877-09-8	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.5**	%	0.10	1		09/28/10 16:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-25 (0-4) Lab ID: 4037526011 Collected: 09/27/10 12:04 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3050							
Arsenic	<20.9	mg/kg	20.9	10	09/28/10 16:00	09/29/10 17:00	7440-38-2	D3
Barium	1080	mg/kg	5.2	10	09/28/10 16:00	09/29/10 17:00	7440-39-3	
Cadmium	25.6	mg/kg	5.2	10	09/28/10 16:00	09/29/10 17:00	7440-43-9	
Chromium	328	mg/kg	0.52	1	09/28/10 16:00	09/29/10 13:12	7440-47-3	
Lead	2960	mg/kg	10.5	10	09/28/10 16:00	09/29/10 17:00	7439-92-1	
Selenium	<20.9	mg/kg	20.9	10	09/28/10 16:00	09/29/10 17:00	7782-49-2	D3
Silver	2.1	mg/kg	1.0	1	09/28/10 16:00	09/29/10 13:12	7440-22-4	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 10/05/10 00:00							
Chromium	<0.050	mg/L	0.050	1	10/06/10 10:40	10/06/10 21:51	7440-47-3	
Lead	0.80	mg/L	0.0075	1	10/06/10 10:40	10/06/10 21:51	7439-92-1	
7471 Mercury	Analytical Method: EPA 7471 Preparation Method: EPA 7471							
Mercury	0.50	mg/kg	0.012	1	09/29/10 10:19	09/30/10 10:35	7439-97-6	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	1470	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	83-32-9	
Acenaphthylene	<398	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	208-96-8	
Anthracene	3750	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	120-12-7	
Benzo(a)anthracene	3450	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	56-55-3	
Benzo(a)pyrene	3030	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	50-32-8	
Benzo(b)fluoranthene	3410	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	205-99-2	
Benzo(g,h,i)perylene	1660	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	191-24-2	
Benzo(k)fluoranthene	2450	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	207-08-9	
Chrysene	4260	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	218-01-9	
Dibenz(a,h)anthracene	559	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	53-70-3	
Fluoranthene	11200	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	206-44-0	
Fluorene	1960	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	86-73-7	
Indeno(1,2,3-cd)pyrene	1390	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	193-39-5	
Naphthalene	3460	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	91-20-3	B
Phenanthrene	10300	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	85-01-8	
Pyrene	8390	ug/kg	398	20	09/29/10 12:07	09/30/10 23:44	129-00-0	
2-Fluorobiphenyl (S)	59	%	38-130	20	09/29/10 12:07	09/30/10 23:44	321-60-8	
Terphenyl-d14 (S)	67	%	36-130	20	09/29/10 12:07	09/30/10 23:44	1718-51-0	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	16.2	%	0.10	1		09/28/10 16:20		
9045 pH Soil	Analytical Method: EPA 9045							
pH at 25 Degrees C	7.8	Std. Units	0.10	1		10/11/10 12:15		H1

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-25 (4-8) **Lab ID: 4037526012** Collected: 09/27/10 12:11 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	**<43.4**	ug/kg	43.4	1	10/11/10 00:40	10/12/10 22:21	12674-11-2	
PCB-1221 (Aroclor 1221)	**<43.4**	ug/kg	43.4	1	10/11/10 00:40	10/12/10 22:21	11104-28-2	
PCB-1232 (Aroclor 1232)	**<43.4**	ug/kg	43.4	1	10/11/10 00:40	10/12/10 22:21	11141-16-5	
PCB-1242 (Aroclor 1242)	**<43.4**	ug/kg	43.4	1	10/11/10 00:40	10/12/10 22:21	53469-21-9	
PCB-1248 (Aroclor 1248)	**<43.4**	ug/kg	43.4	1	10/11/10 00:40	10/12/10 22:21	12672-29-6	
PCB-1254 (Aroclor 1254)	**<43.4**	ug/kg	43.4	1	10/11/10 00:40	10/12/10 22:21	11097-69-1	
PCB-1260 (Aroclor 1260)	**<43.4**	ug/kg	43.4	1	10/11/10 00:40	10/12/10 22:21	11096-82-5	
Tetrachloro-m-xylene (S)	58	%	32-105	1	10/11/10 00:40	10/12/10 22:21	877-09-8	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**19.3**	%	0.10	1		09/28/10 16:21		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-26 (4-8) **Lab ID: 4037526013** Collected: 09/27/10 13:09 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	**2370**	ug/kg	122	5	09/29/10 12:20	09/29/10 13:20	71-43-2	
Ethylbenzene	**1830**	ug/kg	153	5	09/29/10 12:20	09/29/10 13:20	100-41-4	
Toluene	**339**	ug/kg	306	5	09/29/10 12:20	09/29/10 13:20	108-88-3	
Xylene (Total)	**2230**	ug/kg	459	5	09/29/10 12:20	09/29/10 13:20	1330-20-7	
Dibromofluoromethane (S)	74	%	67-143	5	09/29/10 12:20	09/29/10 13:20	1868-53-7	D3
4-Bromofluorobenzene (S)	101	%	55-141	5	09/29/10 12:20	09/29/10 13:20	460-00-4	
Toluene-d8 (S)	98	%	67-132	5	09/29/10 12:20	09/29/10 13:20	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**18.2**	%	0.10	1		09/28/10 16:21		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

Sample: PB-27 (4-8) Lab ID: 4037526014 Collected: 09/27/10 14:01 Received: 09/27/10 15:40 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Short List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Benzene	577	ug/kg	98.9	4	09/29/10 12:20	09/29/10 13:43	71-43-2	
Ethylbenzene	2550	ug/kg	124	4	09/29/10 12:20	09/29/10 13:43	100-41-4	
Toluene	<247	ug/kg	247	4	09/29/10 12:20	09/29/10 13:43	108-88-3	
Xylene (Total)	513	ug/kg	371	4	09/29/10 12:20	09/29/10 13:43	1330-20-7	
Dibromofluoromethane (S)	80	%	67-143	4	09/29/10 12:20	09/29/10 13:43	1868-53-7	D3
4-Bromofluorobenzene (S)	93	%	55-141	4	09/29/10 12:20	09/29/10 13:43	460-00-4	
Toluene-d8 (S)	101	%	67-132	4	09/29/10 12:20	09/29/10 13:43	2037-26-5	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	19.1	%	0.10	1		09/28/10 16:21		

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: GCSV/21285 Analysis Method: EPA 8082
QC Batch Method: EPA 8082 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 4037526003, 4037526005, 4037526007, 4037526010, 4037526012

METHOD BLANK: 493217 Matrix: Solid
Associated Lab Samples: 4037526003, 4037526005, 4037526007, 4037526010, 4037526012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1221 (Aroclor 1221)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1232 (Aroclor 1232)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1242 (Aroclor 1242)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1248 (Aroclor 1248)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1254 (Aroclor 1254)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1260 (Aroclor 1260)	ug/kg	<35.0	35.0	10/11/10 20:44	
Tetrachloro-m-xylene (S)	%	84	32-105	10/11/10 20:44	

LABORATORY CONTROL SAMPLE: 493218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	118	71	49-112	
PCB-1260 (Aroclor 1260)	ug/kg	167	132	79	58-111	
Tetrachloro-m-xylene (S)	%			86	32-105	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493219 493220

Parameter	Units	5042208006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	322	322	358	401	111	125	14-135	11	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	322	322	246	266	76	83	18-124	8	20	
Tetrachloro-m-xylene (S)	%						44	51	32-105		20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: MPRP/4592 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Associated Lab Samples: 4037526001, 4037526003, 4037526005, 4037526007, 4037526009, 4037526011

METHOD BLANK: 361961 Matrix: Solid
Associated Lab Samples: 4037526001, 4037526003, 4037526005, 4037526007, 4037526009, 4037526011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	mg/kg	<2.0	2.0	09/29/10 12:28	
Barium	mg/kg	<0.50	0.50	09/29/10 12:28	
Cadmium	mg/kg	<0.50	0.50	09/29/10 12:28	
Chromium	mg/kg	<0.50	0.50	09/29/10 12:28	
Lead	mg/kg	<1.0	1.0	09/29/10 12:28	
Selenium	mg/kg	<2.0	2.0	09/29/10 12:28	
Silver	mg/kg	<1.0	1.0	09/29/10 12:28	

LABORATORY CONTROL SAMPLE: 361962

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	mg/kg	50	50.0	100	80-120	
Barium	mg/kg	50	54.2	108	80-120	
Cadmium	mg/kg	50	49.6	99	80-120	
Chromium	mg/kg	50	53.0	106	80-120	
Lead	mg/kg	50	50.2	100	80-120	
Selenium	mg/kg	50	47.1	94	80-120	
Silver	mg/kg	25	22.8	91	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 361963 361964

Parameter	Units	4037526001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	10.0	57.9	58.2	63.5	65.8	92	96	75-125	4	20	
Barium	mg/kg	86.5	57.9	58.2	178	134	159	81	75-125	29	20	M0,R1
Cadmium	mg/kg	1.8	57.9	58.2	55.5	57.5	93	96	75-125	3	20	
Chromium	mg/kg	17.2	57.9	58.2	68.8	78.1	89	105	75-125	13	20	
Lead	mg/kg	216	57.9	58.2	219	467	5	432	75-125	72	20	M0,R1
Selenium	mg/kg	<2.3	57.9	58.2	49.3	52.1	84	88	75-125	5	20	
Silver	mg/kg	<1.2	29	29.1	26.1	26.4	89	90	75-125	1	20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: MPRP/4629 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4037526003, 4037526009, 4037526011

METHOD BLANK: 366214 Matrix: Water
Associated Lab Samples: 4037526003, 4037526009, 4037526011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium	mg/L	<0.050	0.050	10/06/10 21:19	
Lead	mg/L	<0.0075	0.0075	10/06/10 21:19	

LABORATORY CONTROL SAMPLE: 366215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium	mg/L	.5	0.52	104	80-120	
Lead	mg/L	.5	0.50	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 366216 366217

Parameter	Units	4037526003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium	mg/L	<0.050	.5	.5	0.51	0.51	102	101	75-125	.8	20	
Lead	mg/L	0.68	.5	.5	1.2	1.1	97	92	75-125	2	20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: MERP/2194 Analysis Method: EPA 7471
QC Batch Method: EPA 7471 Analysis Description: 7471 Mercury
Associated Lab Samples: 4037526001, 4037526003, 4037526005, 4037526007, 4037526009, 4037526011

METHOD BLANK: 362318 Matrix: Solid
Associated Lab Samples: 4037526001, 4037526003, 4037526005, 4037526007, 4037526009, 4037526011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.010	09/30/10 10:23	

LABORATORY CONTROL SAMPLE: 362319

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	.25	0.28	113	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 362320 362321

Parameter	Units	4037526001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	0.11	.29	.29	0.45	0.50	120	135	85-115	9	20	M0

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: OEXT/9121
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 4037526005, 4037526011

METHOD BLANK: 362094 Matrix: Solid
Associated Lab Samples: 4037526005, 4037526011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	<16.7	16.7	09/29/10 12:35	
Acenaphthylene	ug/kg	<16.7	16.7	09/29/10 12:35	
Anthracene	ug/kg	<16.7	16.7	09/29/10 12:35	
Benzo(a)anthracene	ug/kg	<16.7	16.7	09/29/10 12:35	
Benzo(a)pyrene	ug/kg	<16.7	16.7	09/29/10 12:35	
Benzo(b)fluoranthene	ug/kg	<16.7	16.7	09/29/10 12:35	
Benzo(g,h,i)perylene	ug/kg	<16.7	16.7	09/29/10 12:35	
Benzo(k)fluoranthene	ug/kg	<16.7	16.7	09/29/10 12:35	
Chrysene	ug/kg	<16.7	16.7	09/29/10 12:35	
Dibenz(a,h)anthracene	ug/kg	<16.7	16.7	09/29/10 12:35	
Fluoranthene	ug/kg	<16.7	16.7	09/29/10 12:35	
Fluorene	ug/kg	<16.7	16.7	09/29/10 12:35	
Indeno(1,2,3-cd)pyrene	ug/kg	<16.7	16.7	09/29/10 12:35	
Naphthalene	ug/kg	129	16.7	09/29/10 12:35	
Phenanthrene	ug/kg	<16.7	16.7	09/29/10 12:35	
Pyrene	ug/kg	<16.7	16.7	09/29/10 12:35	
2-Fluorobiphenyl (S)	%	55	38-130	09/29/10 12:35	
Terphenyl-d14 (S)	%	65	36-130	09/29/10 12:35	

LABORATORY CONTROL SAMPLE: 362095

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	333	215	64	62-130	
Acenaphthylene	ug/kg	333	216	65	62-130	
Anthracene	ug/kg	333	228	68	62-130	
Benzo(a)anthracene	ug/kg	333	216	65	60-130	
Benzo(a)pyrene	ug/kg	333	223	67	62-130	
Benzo(b)fluoranthene	ug/kg	333	221	66	61-130	
Benzo(g,h,i)perylene	ug/kg	333	225	68	52-130	
Benzo(k)fluoranthene	ug/kg	333	230	69	61-130	
Chrysene	ug/kg	333	239	72	54-130	
Dibenz(a,h)anthracene	ug/kg	333	224	67	55-130	
Fluoranthene	ug/kg	333	229	69	65-130	
Fluorene	ug/kg	333	221	66	58-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	224	67	55-130	
Naphthalene	ug/kg	333	197	59	59-130	
Phenanthrene	ug/kg	333	214	64	62-130	
Pyrene	ug/kg	333	223	67	58-130	
2-Fluorobiphenyl (S)	%			53	38-130	
Terphenyl-d14 (S)	%			55	36-130	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: OEXT/9248 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270/3546 MSSV PAH by SIM
Associated Lab Samples: 4037526001, 4037526003, 4037526007, 4037526009

METHOD BLANK: 365130 Matrix: Solid
Associated Lab Samples: 4037526001, 4037526003, 4037526007, 4037526009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acenaphthene	ug/kg	<16.7	16.7	10/05/10 15:04	
Acenaphthylene	ug/kg	<16.7	16.7	10/05/10 15:04	
Anthracene	ug/kg	<16.7	16.7	10/05/10 15:04	
Benzo(a)anthracene	ug/kg	<16.7	16.7	10/05/10 15:04	
Benzo(a)pyrene	ug/kg	<16.7	16.7	10/05/10 15:04	
Benzo(b)fluoranthene	ug/kg	<16.7	16.7	10/05/10 15:04	
Benzo(g,h,i)perylene	ug/kg	<16.7	16.7	10/05/10 15:04	
Benzo(k)fluoranthene	ug/kg	<16.7	16.7	10/05/10 15:04	
Chrysene	ug/kg	<16.7	16.7	10/05/10 15:04	
Dibenz(a,h)anthracene	ug/kg	<16.7	16.7	10/05/10 15:04	
Fluoranthene	ug/kg	<16.7	16.7	10/05/10 15:04	
Fluorene	ug/kg	<16.7	16.7	10/05/10 15:04	
Indeno(1,2,3-cd)pyrene	ug/kg	<16.7	16.7	10/05/10 15:04	
Naphthalene	ug/kg	<16.7	16.7	10/05/10 15:04	
Phenanthrene	ug/kg	<16.7	16.7	10/05/10 15:04	
Pyrene	ug/kg	<16.7	16.7	10/05/10 15:04	
2-Fluorobiphenyl (S)	%	50	38-130	10/05/10 15:04	
Terphenyl-d14 (S)	%	54	36-130	10/05/10 15:04	

LABORATORY CONTROL SAMPLE: 365131

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Acenaphthene	ug/kg	333	223	67	62-130	
Acenaphthylene	ug/kg	333	224	67	62-130	
Anthracene	ug/kg	333	256	77	62-130	
Benzo(a)anthracene	ug/kg	333	228	68	60-130	
Benzo(a)pyrene	ug/kg	333	238	71	62-130	
Benzo(b)fluoranthene	ug/kg	333	220	66	61-130	
Benzo(g,h,i)perylene	ug/kg	333	230	69	52-130	
Benzo(k)fluoranthene	ug/kg	333	253	76	61-130	
Chrysene	ug/kg	333	243	73	54-130	
Dibenz(a,h)anthracene	ug/kg	333	230	69	55-130	
Fluoranthene	ug/kg	333	246	74	65-130	
Fluorene	ug/kg	333	232	69	58-130	
Indeno(1,2,3-cd)pyrene	ug/kg	333	230	69	55-130	
Naphthalene	ug/kg	333	203	61	59-130	
Phenanthrene	ug/kg	333	244	73	62-130	
Pyrene	ug/kg	333	233	70	58-130	
2-Fluorobiphenyl (S)	%			51	38-130	
Terphenyl-d14 (S)	%			54	36-130	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 365132 365133

Parameter	Units	4037627008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Acenaphthene	ug/kg	<18.2	364	364	222	247	61	68	47-130	11	20	
Acenaphthylene	ug/kg	<18.2	364	364	224	251	62	69	51-130	11	20	
Anthracene	ug/kg	<18.2	364	364	234	253	64	69	45-130	8	22	
Benzo(a)anthracene	ug/kg	<18.2	364	364	238	246	65	67	44-130	3	27	
Benzo(a)pyrene	ug/kg	<18.2	364	364	268	259	73	71	49-130	3	27	
Benzo(b)fluoranthene	ug/kg	<18.2	364	364	288	257	79	70	41-130	12	32	
Benzo(g,h,i)perylene	ug/kg	<18.2	364	364	164	154	45	42	39-130	6	28	
Benzo(k)fluoranthene	ug/kg	<18.2	364	364	266	289	73	79	41-130	8	26	
Chrysene	ug/kg	<18.2	364	364	228	237	62	65	45-130	4	28	
Dibenz(a,h)anthracene	ug/kg	<18.2	364	364	197	190	54	52	39-130	4	25	
Fluoranthene	ug/kg	<18.2	364	364	256	258	69	70	47-130	.8	25	
Fluorene	ug/kg	<18.2	364	364	237	261	65	72	46-130	10	20	
Indeno(1,2,3-cd)pyrene	ug/kg	<18.2	364	364	186	180	51	49	39-130	4	28	
Naphthalene	ug/kg	<18.2	364	364	217	407	55	107	43-130	61	22	D6
Phenanthrene	ug/kg	<18.2	364	364	239	263	65	72	47-130	9	20	
Pyrene	ug/kg	<18.2	364	364	230	243	62	66	42-130	5	25	
2-Fluorobiphenyl (S)	%						49	51	38-130			
Terphenyl-d14 (S)	%						55	55	36-130			

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: MSV/9151
QC Batch Method: EPA 5035/5030B
Analysis Method: EPA 8260
Analysis Description: 8260 MSV Med Level Short List
Associated Lab Samples: 4037526013, 4037526014

METHOD BLANK: 362468
Matrix: Solid
Associated Lab Samples: 4037526013, 4037526014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	<20.0	20.0	09/29/10 09:36	
Ethylbenzene	ug/kg	<25.0	25.0	09/29/10 09:36	
Toluene	ug/kg	<50.0	50.0	09/29/10 09:36	
Xylene (Total)	ug/kg	<75.0	75.0	09/29/10 09:36	
4-Bromofluorobenzene (S)	%	92	55-141	09/29/10 09:36	
Dibromofluoromethane (S)	%	99	67-143	09/29/10 09:36	
Toluene-d8 (S)	%	105	67-132	09/29/10 09:36	

LABORATORY CONTROL SAMPLE & LCSD: 362469 362470

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Benzene	ug/kg	2500	2440	2550	98	102	70-130	4	20	
Ethylbenzene	ug/kg	2500	2520	2620	101	105	70-130	4	20	
Toluene	ug/kg	2500	2450	2580	98	103	70-130	5	20	
Xylene (Total)	ug/kg	7500	7680	7880	102	105	70-130	3	20	
4-Bromofluorobenzene (S)	%				100	99	55-141			
Dibromofluoromethane (S)	%				107	114	67-143			
Toluene-d8 (S)	%				104	109	67-132			

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: PMST/4620 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4037526001, 4037526003, 4037526005, 4037526007, 4037526009, 4037526010, 4037526011, 4037526012, 4037526013, 4037526014

SAMPLE DUPLICATE: 361426

Parameter	Units	4037461008 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%		20.8			

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

QC Batch: WET/7404 Analysis Method: EPA 9045
QC Batch Method: EPA 9045 Analysis Description: 9045 pH
Associated Lab Samples: 4037526001, 4037526003, 4037526005, 4037526007, 4037526009, 4037526011

SAMPLE DUPLICATE: 368345

Parameter	Units	4037526001 Result	Dup Result	RPD	Max RPD	Qualifiers
pH at 25 Degrees C	Std. Units	9.2	9.2	.4	5	H1

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037526

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-I	Pace Analytical Services - Indianapolis

BATCH QUALIFIERS

Batch: MSSV/2940

[1] Napthalene and 2-methylnapthalene were in the extraction blank above the EQL. Only samples in which these compounds were less than the MDL/EQL or 20 times the extraction blank concentration are reported; others will be re-extracted.

Batch: MSV/9152

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B	Analyte was detected in the associated method blank.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
H1	Analysis conducted outside the recognized method holding time.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P1	Routine initial sample volume or weight was not used for extraction, resulting in elevated reporting limits.
R1	RPD value was outside control limits.

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October 15, 2010

Jeff McClelland
Pioneer Eng. & Env. Services
700 North Sacramento Boulevard
Chicago, IL 60612

RE: Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Dear Jeff McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037683001	PB2F (0-2.5)	Solid	09/28/10 10:35	09/30/10 09:50
4037683013	PB2I (0-2.5)	Solid	09/28/10 11:50	09/30/10 09:50
4037683017	PB3F (0-2.5)	Solid	09/28/10 12:29	09/30/10 09:50
4037683021	PB3H (0-2.5)	Solid	09/28/10 12:55	09/30/10 09:50
4037683025	PB3I (0-2.5)	Solid	09/28/10 13:19	09/30/10 09:50

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SAMPLE ANALYTE COUNT

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037683001	PB2F (0-2.5)	EPA 8082	LKC	8	PASI-I
		ASTM D2974-87	KLS	1	PASI-I
4037683013	PB2I (0-2.5)	EPA 8082	LKC	8	PASI-I
		ASTM D2974-87	KLS	1	PASI-I
4037683017	PB3F (0-2.5)	EPA 8082	LKC	8	PASI-I
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KLS	1	PASI-I
4037683021	PB3H (0-2.5)	EPA 8082	LKC	8	PASI-I
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KLS	1	PASI-I
4037683025	PB3I (0-2.5)	EPA 8082	LKC	8	PASI-I
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KLS	1	PASI-I

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Sample: PB2F (0-2.5) Lab ID: 4037683001 Collected: 09/28/10 10:35 Received: 09/30/10 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	<203	ug/kg	203	5	10/11/10 00:40	10/12/10 22:32	12674-11-2	
PCB-1221 (Aroclor 1221)	<203	ug/kg	203	5	10/11/10 00:40	10/12/10 22:32	11104-28-2	
PCB-1232 (Aroclor 1232)	<203	ug/kg	203	5	10/11/10 00:40	10/12/10 22:32	11141-16-5	
PCB-1242 (Aroclor 1242)	847	ug/kg	203	5	10/11/10 00:40	10/12/10 22:32	53469-21-9	1q
PCB-1248 (Aroclor 1248)	<203	ug/kg	203	5	10/11/10 00:40	10/12/10 22:32	12672-29-6	
PCB-1254 (Aroclor 1254)	<203	ug/kg	203	5	10/11/10 00:40	10/12/10 22:32	11097-69-1	
PCB-1260 (Aroclor 1260)	218	ug/kg	203	5	10/11/10 00:40	10/12/10 22:32	11096-82-5	1q
Tetrachloro-m-xylene (S)	0	%	32-105	5	10/11/10 00:40	10/12/10 22:32	877-09-8	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	14.0	%	0.10	1		10/11/10 16:02		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Sample: PB2I (0-2.5) Lab ID: 4037683013 Collected: 09/28/10 11:50 Received: 09/30/10 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	**<968**	ug/kg	968	20	10/11/10 00:40	10/12/10 22:50	12674-11-2	
PCB-1221 (Aroclor 1221)	**<968**	ug/kg	968	20	10/11/10 00:40	10/12/10 22:50	11104-28-2	
PCB-1232 (Aroclor 1232)	**<968**	ug/kg	968	20	10/11/10 00:40	10/12/10 22:50	11141-16-5	
PCB-1242 (Aroclor 1242)	**<968**	ug/kg	968	20	10/11/10 00:40	10/12/10 22:50	53469-21-9	
PCB-1248 (Aroclor 1248)	**<968**	ug/kg	968	20	10/11/10 00:40	10/12/10 22:50	12672-29-6	
PCB-1254 (Aroclor 1254)	**4230**	ug/kg	968	20	10/11/10 00:40	10/12/10 22:50	11097-69-1	1q
PCB-1260 (Aroclor 1260)	**2270**	ug/kg	968	20	10/11/10 00:40	10/12/10 22:50	11096-82-5	1q
Tetrachloro-m-xylene (S)	0	%	32-105	20	10/11/10 00:40	10/12/10 22:50	877-09-8	S4
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**27.7**	%	0.10	1		10/11/10 16:02		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Sample: PB3F (0-2.5) Lab ID: 4037683017 Collected: 09/28/10 12:29 Received: 09/30/10 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	<225	ug/kg	225	5	10/11/10 00:40	10/12/10 22:56	12674-11-2	D3
PCB-1221 (Aroclor 1221)	<225	ug/kg	225	5	10/11/10 00:40	10/12/10 22:56	11104-28-2	
PCB-1232 (Aroclor 1232)	<225	ug/kg	225	5	10/11/10 00:40	10/12/10 22:56	11141-16-5	
PCB-1242 (Aroclor 1242)	<225	ug/kg	225	5	10/11/10 00:40	10/12/10 22:56	53469-21-9	
PCB-1248 (Aroclor 1248)	<225	ug/kg	225	5	10/11/10 00:40	10/12/10 22:56	12672-29-6	
PCB-1254 (Aroclor 1254)	<225	ug/kg	225	5	10/11/10 00:40	10/12/10 22:56	11097-69-1	
PCB-1260 (Aroclor 1260)	<225	ug/kg	225	5	10/11/10 00:40	10/12/10 22:56	11096-82-5	
Tetrachloro-m-xylene (S)	0	%	32-105	5	10/11/10 00:40	10/12/10 22:56	877-09-8	S4
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 10/04/10 00:00							
Lead	1.8	mg/L	0.0075	1	10/05/10 09:10	10/05/10 16:31	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	22.4	%	0.10	1		10/11/10 16:02		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Sample: PB3H (0-2.5) **Lab ID: 4037683021** Collected: 09/28/10 12:55 Received: 09/30/10 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	**<40.2**	ug/kg	40.2	1	10/12/10 13:30	10/12/10 20:46	12674-11-2	
PCB-1221 (Aroclor 1221)	**<40.2**	ug/kg	40.2	1	10/12/10 13:30	10/12/10 20:46	11104-28-2	
PCB-1232 (Aroclor 1232)	**<40.2**	ug/kg	40.2	1	10/12/10 13:30	10/12/10 20:46	11141-16-5	
PCB-1242 (Aroclor 1242)	**<40.2**	ug/kg	40.2	1	10/12/10 13:30	10/12/10 20:46	53469-21-9	
PCB-1248 (Aroclor 1248)	**<40.2**	ug/kg	40.2	1	10/12/10 13:30	10/12/10 20:46	12672-29-6	
PCB-1254 (Aroclor 1254)	**<40.2**	ug/kg	40.2	1	10/12/10 13:30	10/12/10 20:46	11097-69-1	
PCB-1260 (Aroclor 1260)	**<40.2**	ug/kg	40.2	1	10/12/10 13:30	10/12/10 20:46	11096-82-5	
Tetrachloro-m-xylene (S)	70	%	32-105	1	10/12/10 13:30	10/12/10 20:46	877-09-8	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 10/04/10 00:00							
Lead	**0.058**	mg/L	0.0075	1	10/05/10 09:10	10/05/10 16:35	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	**12.9**	%	0.10	1		10/12/10 14:57		

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

Sample: PB3I (0-2.5) Lab ID: 4037683025 Collected: 09/28/10 13:19 Received: 09/30/10 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	<46.5	ug/kg	46.5	1	10/11/10 00:40	10/11/10 22:24	12674-11-2	
PCB-1221 (Aroclor 1221)	<46.5	ug/kg	46.5	1	10/11/10 00:40	10/11/10 22:24	11104-28-2	
PCB-1232 (Aroclor 1232)	<46.5	ug/kg	46.5	1	10/11/10 00:40	10/11/10 22:24	11141-16-5	
PCB-1242 (Aroclor 1242)	<46.5	ug/kg	46.5	1	10/11/10 00:40	10/11/10 22:24	53469-21-9	
PCB-1248 (Aroclor 1248)	<46.5	ug/kg	46.5	1	10/11/10 00:40	10/11/10 22:24	12672-29-6	
PCB-1254 (Aroclor 1254)	<46.5	ug/kg	46.5	1	10/11/10 00:40	10/11/10 22:24	11097-69-1	
PCB-1260 (Aroclor 1260)	<46.5	ug/kg	46.5	1	10/11/10 00:40	10/11/10 22:24	11096-82-5	
Tetrachloro-m-xylene (S)	51	%	32-105	1	10/11/10 00:40	10/11/10 22:24	877-09-8	
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 10/04/10 00:00							
Lead	0.015	mg/L	0.0075	1	10/05/10 09:10	10/05/10 16:39	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	24.7	%	0.10	1		10/11/10 16:03		

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

QC Batch: GCSV/21285 Analysis Method: EPA 8082
QC Batch Method: EPA 8082 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 4037683001, 4037683013, 4037683017, 4037683025

METHOD BLANK: 493217 Matrix: Solid
Associated Lab Samples: 4037683001, 4037683013, 4037683017, 4037683025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1221 (Aroclor 1221)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1232 (Aroclor 1232)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1242 (Aroclor 1242)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1248 (Aroclor 1248)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1254 (Aroclor 1254)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1260 (Aroclor 1260)	ug/kg	<35.0	35.0	10/11/10 20:44	
Tetrachloro-m-xylene (S)	%	84	32-105	10/11/10 20:44	

LABORATORY CONTROL SAMPLE: 493218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	118	71	49-112	
PCB-1260 (Aroclor 1260)	ug/kg	167	132	79	58-111	
Tetrachloro-m-xylene (S)	%			86	32-105	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493219 493220

Parameter	Units	5042208006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	322	322	358	401	111	125	14-135	11	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	322	322	246	266	76	83	18-124	8	20	
Tetrachloro-m-xylene (S)	%						44	51	32-105		20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

QC Batch: GCSV/21319
QC Batch Method: EPA 8082
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 4037683021

METHOD BLANK: 493715 Matrix: Solid
Associated Lab Samples: 4037683021

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<35.0	35.0	10/12/10 20:34	
PCB-1221 (Aroclor 1221)	ug/kg	<35.0	35.0	10/12/10 20:34	
PCB-1232 (Aroclor 1232)	ug/kg	<35.0	35.0	10/12/10 20:34	
PCB-1242 (Aroclor 1242)	ug/kg	<35.0	35.0	10/12/10 20:34	
PCB-1248 (Aroclor 1248)	ug/kg	<35.0	35.0	10/12/10 20:34	
PCB-1254 (Aroclor 1254)	ug/kg	<35.0	35.0	10/12/10 20:34	
PCB-1260 (Aroclor 1260)	ug/kg	<35.0	35.0	10/12/10 20:34	
Tetrachloro-m-xylene (S)	%	82	32-105	10/12/10 20:34	

LABORATORY CONTROL SAMPLE: 493716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	117	70	49-112	
PCB-1260 (Aroclor 1260)	ug/kg	167	130	78	58-111	
Tetrachloro-m-xylene (S)	%			85	32-105	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

QC Batch: MPRP/4622 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4037683017, 4037683021, 4037683025

METHOD BLANK: 365345 Matrix: Water
Associated Lab Samples: 4037683017, 4037683021, 4037683025

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0075	0.0075	10/05/10 15:43	

LABORATORY CONTROL SAMPLE: 365346

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	.5	0.51	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 365347 365348

Parameter	Units	4036965003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	<0.0075	.5	.5	0.48	0.46	95	91	75-125	4	20	

MATRIX SPIKE SAMPLE: 365349

Parameter	Units	4037647001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.0079	.5	0.48	95	75-125	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

QC Batch: PMST/5200 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 4037683001, 4037683013, 4037683017, 4037683025

SAMPLE DUPLICATE: 493463

Parameter	Units	5042074004 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	14.6	14.7	.4	5	

SAMPLE DUPLICATE: 493464

Parameter	Units	4037683025 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	24.7	24.6	.3	5	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

QC Batch: PMST/5205
QC Batch Method: ASTM D2974-87
Associated Lab Samples: 4037683021

Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 493839

Parameter	Units	5042253001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	44.4	44.2	.3	5	

SAMPLE DUPLICATE: 493840

Parameter	Units	5042205001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	15.4	15.4	0	5	

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1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037683

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1q	Due to the presence of co-eluting Aroclors, the reported values may be biased high. LKC 10-13-10
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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Madison, WI 53718
608.221.8700 Phone
608.221.4889 Fax

05 October 2010

Laurie Woelfel
Pace Analytical
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

RE: 8082 PCBs

Enclosed are the analytical results for the samples received by the laboratory on 10/02/2010. The results in this report apply to the samples analyzed in accordance with the chain of custody document. These results are in compliance with the 2003 NELAC Standards and the appropriate agencies listed below, unless otherwise noted in the case narrative. This analytical report must be reproduced in its entirety.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica Esser

Project Manager

Certification List			Expires
ILEPA	Illinois Secondary NELAP Accreditation	00287	04/30/2011
KDHE	Kansas Secondary NELAP Accreditation	E-10384	04/30/2011
LELAP	Louisiana Primary NELAP Accreditation	04165	06/30/2011
NJDEP	New Jersey Secondary NELAP Accreditation	WI004	06/30/2011
WDNR	Wisconsin Certification under NR 149	113289110	08/31/2011

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037685	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
4037685001 PB6F (0-2.5)	A104030-01	Soil	09/28/2010	10/02/2010
4037685005 PB6H (0-2.5)	A104030-02	Soil	09/28/2010	10/02/2010
4037685009 PB6G (0-2.5)	A104030-03	Soil	09/28/2010	10/02/2010

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037685	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

4037685001 PB6F (0-2.5)

A104030-01 (Soil)

Date Sampled
09/28/2010 08:50

ECCS

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1248	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1254	**2.4**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1260	**1.7**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Total PCBs	**4.2**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*117 %*	*69.4-165*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*96.3 %*	*81.5-141*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**80.7**	0.00	% by Weight	1	10/02/2010	10/03/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037685	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

4037685005 PB6H (0-2.5)

A104030-02 (Soil)

Date Sampled
09/28/2010 09:17

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1248	**0.56**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1254	**1.1**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
PCB-1260	**0.64**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Total PCBs	**2.3**	0.12	mg/kg dry	1	10/03/2010	10/04/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*99.7 %*	*69.4-165*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*83.7 %*	*81.5-141*			*10/03/2010*	*10/04/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**85.5**	0.00	% by Weight	1	10/02/2010	10/03/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037685	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

4037685009 PB6G (0-2.5)

A104030-03 (Soil)

Date Sampled
09/28/2010 09:46

Analyte	Result	Reporting Limit	Units	Dilution	Prepared	Analyzed	Method	Qualifiers
			ECCS					
Polychlorinated Biphenyls by EPA Method 8082								
PCB-1016	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1221	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1232	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1242	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1248	ND	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1254	**1.0**	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
PCB-1260	**0.59**	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
Total PCBs	**1.6**	0.12	mg/kg dry	1	10/03/2010	10/03/2010	PCBs BY EPA 8082	
Surrogate: Decachlorobiphenyl	*113 %*	*69.4-165*			*10/03/2010*	*10/03/2010*	*PCBs BY EPA 8082*	
Surrogate: Tetrachloro-meta-xylene	*102 %*	*81.5-141*			*10/03/2010*	*10/03/2010*	*PCBs BY EPA 8082*	
Classical Chemistry Parameters								
% Solids	**85.5**	0.00	% by Weight	1	10/02/2010	10/03/2010	% Calculation	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037685	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

Polychlorinated Biphenyls by EPA Method 8082 - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A010007 - EPA 3570										
Blank (A010007-BLK1)				Prepared: 10/02/2010 Analyzed: 10/03/2010						
PCB-1016	ND	0.10	mg/kg wet							
PCB-1221	ND	0.10	mg/kg wet							
PCB-1232	ND	0.10	mg/kg wet							
PCB-1242	ND	0.10	mg/kg wet							
PCB-1248	ND	0.10	mg/kg wet							
PCB-1254	ND	0.10	mg/kg wet							
PCB-1260	ND	0.10	mg/kg wet							
Total PCBs	ND	0.10	mg/kg wet							
Surrogate: Decachlorobiphenyl	*0.142*		*mg/kg wet*	*0.1200*		*118*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.118*		*mg/kg wet*	*0.1200*		*98.1*	*81.5-141*			
LCS (A010007-BS1)				Prepared: 10/02/2010 Analyzed: 10/03/2010						
PCB-1254	2.05	0.10	mg/kg wet	2.000		102	70-130		20	
Surrogate: Decachlorobiphenyl	*0.153*		*mg/kg wet*	*0.1200*		*128*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.130*		*mg/kg wet*	*0.1200*		*108*	*81.5-141*			
Matrix Spike (A010007-MS1)	**Source: A104028-01**			Prepared: 10/02/2010 Analyzed: 10/03/2010						
PCB-1254	3.16	0.17	mg/kg dry	3.396	ND	93.1	60-140		20	
Surrogate: Decachlorobiphenyl	*0.231*		*mg/kg dry*	*0.2037*		*113*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.200*		*mg/kg dry*	*0.2037*		*98.3*	*81.5-141*			
Matrix Spike Dup (A010007-MSD1)	**Source: A104028-01**			Prepared: 10/02/2010 Analyzed: 10/03/2010						
PCB-1254	3.13	0.17	mg/kg dry	3.396	ND	92.1	60-140	1.06	20	
Surrogate: Decachlorobiphenyl	*0.233*		*mg/kg dry*	*0.2037*		*114*	*69.4-165*			
Surrogate: Tetrachloro-meta-xylene	*0.202*		*mg/kg dry*	*0.2037*		*99.3*	*81.5-141*			

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037685	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

Classical Chemistry Parameters - Quality Control

ECCS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch A010008 - % Solids										
Duplicate (A010008-DUP1)		**Source: A104028-01**		Prepared: 10/02/2010 Analyzed: 10/03/2010						
% Solids	58.4	0.00	% by Weight		58.9			0.863	20	

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Pace Analytical	Project: 8082 PCBs	
1241 Bellevue Street, Suite 9	Project Number: 4037685	Reported:
Green Bay WI, 54302	Project Manager: Laurie Woelfel	10/05/2010

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis. If the word 'dry' does not appear after the units, results are reported on an as-is basis.
RPD	Relative Percent Difference

Chain of Custody

A1040030

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www.pacelabs.com

Workorder: 4037685 Workorder Name: 10-0461-102 3434 W 51ST Results Requested 10/5/2010

Report/Invoice To

Laurie Woelfel
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Phone (920)469-2436
Email: laurie.woelfel@pacelabs.com

Subcontract To

ECCS
2525 Advance Road
Madison, WI 53718
608-221-8700

P.O._____

Requested Analysis

Item	Sample ID	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Unpreserved	PCB (EPA 8082)	LAB USE ONLY
1	PB6F(0-2.5)	9/28/2010 08:50	4037685001	Solid	1	X	01
2	PB6H(0-2.5)	9/28/2010 09:17	4037685005	Solid	1	X	02
3	PB6G(0-2.5)	9/28/2010 09:46	4037685009	Solid	1	X	03
4							
5							

Comments

Transfers	Released By	Date/Time	Received By	Date/Time
1	10/1/10	1600	FedEx	
2			[illegible] 10-02-10 1000	
3				
4				
5				

on ice
via FedEx

Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

October 18, 2010

Jeff McClelland
Pioneer Eng. & Env. Services
700 North Sacramento Boulevard
Chicago, IL 60612

RE: Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

Dear Jeff McClelland:
Enclosed are the analytical results for sample(s) received by the laboratory on September 30, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Laurie Woelfel

Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
California Certification #: 09268CA
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 11888
New York Certification #: 11888
North Carolina Certification #: 503
North Dakota Certification #: R-150
South Carolina Certification #: 83006001
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

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SAMPLE SUMMARY

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4037685001	PB6F(0-2.5)	Solid	09/28/10 08:50	09/30/10 09:50
4037685005	PB6H(0-2.5)	Solid	09/28/10 09:17	09/30/10 09:50
4037685009	PB6G(0-2.5)	Solid	09/28/10 09:46	09/30/10 09:50
4037685013	PB6I(0-2.5)	Solid	09/28/10 10:11	09/30/10 09:50

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SAMPLE ANALYTE COUNT

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4037685013	PB6I(0-2.5)	EPA 8082	LKC	8	PASI-I
		EPA 6010	DLB	1	PASI-G
		ASTM D2974-87	KLS	1	PASI-I

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ANALYTICAL RESULTS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

Sample: PB6I(0-2.5) Lab ID: 4037685013 Collected: 09/28/10 10:11 Received: 09/30/10 09:50 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082							
PCB-1016 (Aroclor 1016)	<840	ug/kg	840	20	10/11/10 00:40	10/12/10 22:15	12674-11-2	
PCB-1221 (Aroclor 1221)	<840	ug/kg	840	20	10/11/10 00:40	10/12/10 22:15	11104-28-2	
PCB-1232 (Aroclor 1232)	<840	ug/kg	840	20	10/11/10 00:40	10/12/10 22:15	11141-16-5	
PCB-1242 (Aroclor 1242)	<840	ug/kg	840	20	10/11/10 00:40	10/12/10 22:15	53469-21-9	
PCB-1248 (Aroclor 1248)	<840	ug/kg	840	20	10/11/10 00:40	10/12/10 22:15	12672-29-6	
PCB-1254 (Aroclor 1254)	5660	ug/kg	840	20	10/11/10 00:40	10/12/10 22:15	11097-69-1	
PCB-1260 (Aroclor 1260)	<840	ug/kg	840	20	10/11/10 00:40	10/12/10 22:15	11096-82-5	
Tetrachloro-m-xylene (S)	0	%	32-105	20	10/11/10 00:40	10/12/10 22:15	877-09-8	S4
6010 MET ICP, TCLP	Analytical Method: EPA 6010 Preparation Method: EPA 3010							
	Leachate Method/Date: EPA 1311; 10/04/10 00:00							
Lead	0.18	mg/L	0.038	1	10/05/10 09:10	10/05/10 16:48	7439-92-1	
Percent Moisture	Analytical Method: ASTM D2974-87							
Percent Moisture	16.7	%	0.10	1		10/11/10 16:14		

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

QC Batch: GCSV/21285
QC Batch Method: EPA 8082
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB
Associated Lab Samples: 4037685013

METHOD BLANK: 493217 Matrix: Solid
Associated Lab Samples: 4037685013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1221 (Aroclor 1221)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1232 (Aroclor 1232)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1242 (Aroclor 1242)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1248 (Aroclor 1248)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1254 (Aroclor 1254)	ug/kg	<35.0	35.0	10/11/10 20:44	
PCB-1260 (Aroclor 1260)	ug/kg	<35.0	35.0	10/11/10 20:44	
Tetrachloro-m-xylene (S)	%	84	32-105	10/11/10 20:44	

LABORATORY CONTROL SAMPLE: 493218

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	118	71	49-112	
PCB-1260 (Aroclor 1260)	ug/kg	167	132	79	58-111	
Tetrachloro-m-xylene (S)	%			86	32-105	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 493219 493220

Parameter	Units	5042208006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/kg	ND	322	322	358	401	111	125	14-135	11	20	
PCB-1260 (Aroclor 1260)	ug/kg	ND	322	322	246	266	76	83	18-124	8	20	
Tetrachloro-m-xylene (S)	%						44	51	32-105		20	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

QC Batch: MPRP/4622
QC Batch Method: EPA 3010
Analysis Method: EPA 6010
Analysis Description: 6010 MET TCLP
Associated Lab Samples: 4037685013

METHOD BLANK: 365345 Matrix: Water
Associated Lab Samples: 4037685013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Lead	mg/L	<0.0075	0.0075	10/05/10 15:43	

LABORATORY CONTROL SAMPLE: 365346

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	.5	0.51	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 365347 365348

Parameter	Units	4036965003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Lead	mg/L	<0.0075	.5	.5	0.48	0.46	95	91	75-125	4	20	

MATRIX SPIKE SAMPLE: 365349

Parameter	Units	4037647001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Lead	mg/L	0.0079	.5	0.48	95	75-125	

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QUALITY CONTROL DATA

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

QC Batch: PMST/5203
QC Batch Method: ASTM D2974-87
Associated Lab Samples: 4037685013

Analysis Method: ASTM D2974-87
Analysis Description: Dry Weight/Percent Moisture

SAMPLE DUPLICATE: 493495

Parameter	Units	5042243026 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	7.1	7.1	.1	5	

SAMPLE DUPLICATE: 493496

Parameter	Units	5042267028 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	9.7	9.7	0	5	

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Pace Analytical Services, Inc.
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: 10-0461-102 3434 W 51ST
Pace Project No.: 4037685

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

S4	Surrogate recovery not evaluated against control limits due to sample dilution.

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

September 21, 2010

Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 100
Chicago, IL 60612
Telephone: (773) 722-9200
Fax: (773) 722-9201

RE: 10-0461-101, UNO, 3434 West 51st Street, Chicago STAT Project No: 10080815

Dear Tom Culig:

STAT Analysis received 10 samples for the referenced project on 8/25/2010 4:35:00 PM. The analytical results are presented in the following report.

This report is revised to reflect additional analysis requested after the initial report was issued.

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

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

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

Sincerely,

Catia Giannini
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: Pioneer Engineering & Environmental Services, Inc.
Project: 10-0461-101, UNO, 3434 West 51st Street, Chicago
Lab Order: 10080815

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10080815-001A	PB-1 (0-4)		8/25/2010 8:49:00 AM	8/25/2010
10080815-001B	PB-1 (0-4)		8/25/2010 8:49:00 AM	8/25/2010
10080815-002A	PB-2 (0-4)		8/25/2010 9:35:00 AM	8/25/2010
10080815-002B	PB-2 (0-4)		8/25/2010 9:35:00 AM	8/25/2010
10080815-003A	PB-3 (0-3)		8/25/2010 10:15:00 AM	8/25/2010
10080815-003B	PB-3 (0-3)		8/25/2010 10:15:00 AM	8/25/2010
10080815-004A	PB-4 (0-4)		8/25/2010 10:36:00 AM	8/25/2010
10080815-004B	PB-4 (0-4)		8/25/2010 10:36:00 AM	8/25/2010
10080815-005A	PB-5 (4-8)		8/25/2010 11:00:00 AM	8/25/2010
10080815-005B	PB-5 (4-8)		8/25/2010 11:00:00 AM	8/25/2010
10080815-006A	PB-6 (0-3)		8/25/2010 11:41:00 AM	8/25/2010
10080815-006B	PB-6 (0-3)		8/25/2010 11:41:00 AM	8/25/2010
10080815-007A	PB-8 (4-8)		8/25/2010 12:57:00 PM	8/25/2010
10080815-007B	PB-8 (4-8)		8/25/2010 12:57:00 PM	8/25/2010
10080815-008A	PB-9 (0-3)		8/25/2010 1:30:00 PM	8/25/2010
10080815-008B	PB-9 (0-3)		8/25/2010 1:30:00 PM	8/25/2010
10080815-009A	PB-13 (0-4)		8/25/2010 2:15:00 PM	8/25/2010
10080815-009B	PB-13 (0-4)		8/25/2010 2:15:00 PM	8/25/2010
10080815-010A	PB-13 (8-12)		8/25/2010 2:50:00 PM	8/25/2010
10080815-010B	PB-13 (8-12)		8/25/2010 2:50:00 PM	8/25/2010

CLIENT:	Pioneer Engineering & Environmental Serv
Project:	10-0461-101, UNO, 3434 West 51st Street, Chi
Lab Order:	10080815

CASE NARRATIVE

The VOC soil LCS/LCSD analyzed 9/3/2010 had recovery for surrogate 4-Bromofluorobenzene outside control limits (111%/111% recovery, QC limits 63-110%). Recovery for all other surrogates were within control limits.

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-1 (0-4)
Lab Order:	10080815	**Collection Date:**	8/25/2010 8:49:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-001		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **8/31/2010**		Analyst: **LB**
Mercury	2.6	0.3		mg/Kg-dry	10	8/31/2010
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **8/27/2010**		Analyst: **JG**
Arsenic	21	1.2		mg/Kg-dry	10	8/27/2010
Barium	550	1.2		mg/Kg-dry	10	8/27/2010
Cadmium	13	0.62		mg/Kg-dry	10	8/27/2010
Chromium	63	1.2		mg/Kg-dry	10	8/27/2010
Lead	1700	1.2		mg/Kg-dry	10	8/27/2010
Selenium	1.7	1.2		mg/Kg-dry	10	8/27/2010
Silver	ND	1.2		mg/Kg-dry	10	8/27/2010
TCLP Metals by ICP/MS	**SW1311/6020 (SW3005A)**			Prep Date: **9/7/2010**		Analyst: **JG**
Lead	2	0.0075		mg/L	5	9/7/2010
pH (25 °C)	**SW9045C**			Prep Date: **8/26/2010**		Analyst: **MNG**
pH	7.2			pH Units	1	8/26/2010
Percent Moisture	**D2974**			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	19.3	0.2	*	wt%	1	8/30/2010

Qualifiers:

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

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-2 (0-4)
Lab Order:	10080815	**Collection Date:**	8/25/2010 9:35:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-002		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **8/31/2010**		Analyst: **LB**
Mercury	4	0.3		mg/Kg-dry	10	8/31/2010
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **8/27/2010**		Analyst: **JG**
Arsenic	27	1.2		mg/Kg-dry	10	8/27/2010
Barium	800	1.2		mg/Kg-dry	10	8/27/2010
Cadmium	20	0.58		mg/Kg-dry	10	8/27/2010
Chromium	110	1.2		mg/Kg-dry	10	8/27/2010
Lead	3100	1.2		mg/Kg-dry	10	8/27/2010
Selenium	2.5	1.2		mg/Kg-dry	10	8/27/2010
Silver	79	1.2		mg/Kg-dry	10	8/27/2010
TCLP Metals by ICP/MS	**SW1311/6020 (SW3005A)**			Prep Date: **9/7/2010**		Analyst: **JG**
Lead	9.9	0.0075		mg/L	5	9/7/2010
pH (25 °C)	**SW9045C**			Prep Date: **8/26/2010**		Analyst: **MNG**
pH	7.6			pH Units	1	8/26/2010
Percent Moisture	**D2974**			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	17.1	0.2	*	wt%	1	8/30/2010

Qualifiers:

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-3 (0-3)
Lab Order:	10080815	**Collection Date:**	8/25/2010 10:15:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs		**SW8082 (SW3550B)**			Prep Date: **8/26/2010**	Analyst: **GVC**
Aroclor 1016	ND	0.089		mg/Kg-dry	1	8/30/2010
Aroclor 1221	ND	0.089		mg/Kg-dry	1	8/30/2010
Aroclor 1232	ND	0.089		mg/Kg-dry	1	8/30/2010
Aroclor 1242	ND	0.089		mg/Kg-dry	1	8/30/2010
Aroclor 1248	ND	0.089		mg/Kg-dry	1	8/30/2010
Aroclor 1254	ND	0.089		mg/Kg-dry	1	8/30/2010
Aroclor 1260	0.24	0.089		mg/Kg-dry	1	8/30/2010
Mercury		**SW7471A**			Prep Date: **8/31/2010**	Analyst: **LB**
Mercury	0.59	0.054		mg/Kg-dry	2	8/31/2010
Metals by ICP/MS		**SW6020 (SW3050B)**			Prep Date: **8/27/2010**	Analyst: **JG**
Arsenic	17	1		mg/Kg-dry	10	8/27/2010
Barium	1400	10		mg/Kg-dry	100	8/30/2010
Cadmium	5.7	0.51		mg/Kg-dry	10	8/27/2010
Chromium	30	1		mg/Kg-dry	10	8/27/2010
Lead	1800	1		mg/Kg-dry	10	8/27/2010
Selenium	2.1	1		mg/Kg-dry	10	8/27/2010
Silver	ND	1		mg/Kg-dry	10	8/27/2010
TCLP Metals by ICP/MS		**SW1311/6020 (SW3005A)**			Prep Date: **9/7/2010**	Analyst: **JG**
Lead	11	0.0075		mg/L	5	9/7/2010
Polynuclear Aromatic Hydrocarbons		**SW8270C-SIM (SW3550B)**			Prep Date: **8/31/2010**	Analyst: **VS**
Acenaphthene	ND	0.037		mg/Kg-dry	10	9/1/2010
Acenaphthylene	ND	0.037		mg/Kg-dry	10	9/1/2010
Anthracene	0.12	0.037		mg/Kg-dry	10	9/1/2010
Benz(a)anthracene	0.24	0.037		mg/Kg-dry	10	9/1/2010
Benzo(a)pyrene	0.17	0.037		mg/Kg-dry	10	9/1/2010
Benzo(b)fluoranthene	0.29	0.037		mg/Kg-dry	10	9/1/2010
Benzo(g,h,i)perylene	0.093	0.037		mg/Kg-dry	10	9/1/2010
Benzo(k)fluoranthene	0.2	0.037		mg/Kg-dry	10	9/1/2010
Chrysene	0.32	0.037		mg/Kg-dry	10	9/1/2010
Dibenz(a,h)anthracene	0.048	0.037		mg/Kg-dry	10	9/1/2010
Fluoranthene	0.35	0.037		mg/Kg-dry	10	9/1/2010
Fluorene	ND	0.037		mg/Kg-dry	10	9/1/2010
Indeno(1,2,3-cd)pyrene	0.089	0.037		mg/Kg-dry	10	9/1/2010
Naphthalene	0.17	0.037		mg/Kg-dry	10	9/1/2010
Phenanthrene	0.24	0.037		mg/Kg-dry	10	9/1/2010
Pyrene	0.35	0.037		mg/Kg-dry	10	9/1/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-3 (0-3)
Lab Order:	10080815	**Collection Date:**	8/25/2010 10:15:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **EJH**
Acetone	ND	0.1		mg/Kg-dry	1	8/30/2010
Benzene	ND	0.0069		mg/Kg-dry	1	8/30/2010
Bromodichloromethane	ND	0.0069		mg/Kg-dry	1	8/30/2010
Bromoform	ND	0.0069		mg/Kg-dry	1	8/30/2010
Bromomethane	ND	0.014		mg/Kg-dry	1	8/30/2010
2-Butanone	ND	0.1		mg/Kg-dry	1	8/30/2010
Carbon disulfide	ND	0.069		mg/Kg-dry	1	8/30/2010
Carbon tetrachloride	ND	0.0069		mg/Kg-dry	1	8/30/2010
Chlorobenzene	ND	0.0069		mg/Kg-dry	1	8/30/2010
Chloroethane	ND	0.014		mg/Kg-dry	1	8/30/2010
Chloroform	ND	0.0069		mg/Kg-dry	1	8/30/2010
Chloromethane	ND	0.014		mg/Kg-dry	1	8/30/2010
Dibromochloromethane	ND	0.0069		mg/Kg-dry	1	8/30/2010
1,1-Dichloroethane	ND	0.0069		mg/Kg-dry	1	8/30/2010
1,2-Dichloroethane	ND	0.0069		mg/Kg-dry	1	8/30/2010
1,1-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/30/2010
cis-1,2-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/30/2010
trans-1,2-Dichloroethene	ND	0.0069		mg/Kg-dry	1	8/30/2010
1,2-Dichloropropane	ND	0.0069		mg/Kg-dry	1	8/30/2010
cis-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	8/30/2010
trans-1,3-Dichloropropene	ND	0.0028		mg/Kg-dry	1	8/30/2010
Ethylbenzene	ND	0.0069		mg/Kg-dry	1	8/30/2010
2-Hexanone	ND	0.028		mg/Kg-dry	1	8/30/2010
4-Methyl-2-pentanone	ND	0.028		mg/Kg-dry	1	8/30/2010
Methylene chloride	ND	0.014		mg/Kg-dry	1	8/30/2010
Methyl tert-butyl ether	ND	0.0069		mg/Kg-dry	1	8/30/2010
Styrene	ND	0.0069		mg/Kg-dry	1	8/30/2010
1,1,2,2-Tetrachloroethane	ND	0.0069		mg/Kg-dry	1	8/30/2010
Tetrachloroethene	ND	0.0069		mg/Kg-dry	1	8/30/2010
Toluene	ND	0.0069		mg/Kg-dry	1	8/30/2010
1,1,1-Trichloroethane	ND	0.0069		mg/Kg-dry	1	8/30/2010
1,1,2-Trichloroethane	ND	0.0069		mg/Kg-dry	1	8/30/2010
Trichloroethene	ND	0.0069		mg/Kg-dry	1	8/30/2010
Vinyl chloride	ND	0.0069		mg/Kg-dry	1	8/30/2010
Xylenes, Total	ND	0.021		mg/Kg-dry	1	8/30/2010
pH (25 °C)	**SW9045C**			Prep Date: **8/26/2010**		Analyst: **MNG**
pH	7.5			pH Units	1	8/26/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-3 (0-3)
Lab Order:	10080815	**Collection Date:**	8/25/2010 10:15:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	**D2974**			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	10.6	0.2	*	wt%	1	8/30/2010

Qualifiers:

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- HT - Sample received past holding time
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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-4 (0-4)
Lab Order:	10080815	**Collection Date:**	8/25/2010 10:36:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-004		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Metals by ICP/MS	**SW1311/6020 (SW3005A)**			**Prep Date: 9/17/2010**		**Analyst: JG**
Lead	0.72	0.005		mg/L	5	9/20/2010
Polynuclear Aromatic Hydrocarbons	**SW8270C-SIM (SW3550B)**			**Prep Date: 8/31/2010**		**Analyst: VS**
Acenaphthene	0.14	0.04		mg/Kg-dry	10	9/1/2010
Acenaphthylene	ND	0.04		mg/Kg-dry	10	9/1/2010
Anthracene	0.31	0.04		mg/Kg-dry	10	9/1/2010
Benz(a)anthracene	0.88	0.04		mg/Kg-dry	10	9/1/2010
Benzo(a)pyrene	0.79	0.04		mg/Kg-dry	10	9/1/2010
Benzo(b)fluoranthene	1.1	0.04		mg/Kg-dry	10	9/1/2010
Benzo(g,h,i)perylene	0.45	0.04		mg/Kg-dry	10	9/1/2010
Benzo(k)fluoranthene	0.72	0.04		mg/Kg-dry	10	9/1/2010
Chrysene	1	0.04		mg/Kg-dry	10	9/1/2010
Dibenz(a,h)anthracene	0.18	0.04		mg/Kg-dry	10	9/1/2010
Fluoranthene	1.8	0.04		mg/Kg-dry	10	9/1/2010
Fluorene	0.2	0.04		mg/Kg-dry	10	9/1/2010
Indeno(1,2,3-cd)pyrene	0.37	0.04		mg/Kg-dry	10	9/1/2010
Naphthalene	0.093	0.04		mg/Kg-dry	10	9/1/2010
Phenanthrene	0.83	0.04		mg/Kg-dry	10	9/1/2010
Pyrene	1.7	0.04		mg/Kg-dry	10	9/1/2010
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			**Prep Date: 8/26/2010**		**Analyst: EJH**
Acetone	ND	0.077		mg/Kg-dry	1	8/31/2010
Benzene	ND	0.0051		mg/Kg-dry	1	8/31/2010
Bromodichloromethane	ND	0.0051		mg/Kg-dry	1	8/31/2010
Bromoform	ND	0.0051		mg/Kg-dry	1	8/31/2010
Bromomethane	ND	0.01		mg/Kg-dry	1	8/31/2010
2-Butanone	ND	0.077		mg/Kg-dry	1	8/31/2010
Carbon disulfide	ND	0.051		mg/Kg-dry	1	8/31/2010
Carbon tetrachloride	ND	0.0051		mg/Kg-dry	1	8/31/2010
Chlorobenzene	ND	0.0051		mg/Kg-dry	1	8/31/2010
Chloroethane	ND	0.01		mg/Kg-dry	1	8/31/2010
Chloroform	ND	0.0051		mg/Kg-dry	1	8/31/2010
Chloromethane	ND	0.01		mg/Kg-dry	1	8/31/2010
Dibromochloromethane	ND	0.0051		mg/Kg-dry	1	8/31/2010
1,1-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/31/2010
1,2-Dichloroethane	ND	0.0051		mg/Kg-dry	1	8/31/2010
1,1-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/31/2010
cis-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/31/2010
trans-1,2-Dichloroethene	ND	0.0051		mg/Kg-dry	1	8/31/2010

Qualifiers:
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-4 (0-4)
Lab Order:	10080815	**Collection Date:**	8/25/2010 10:36:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-004		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **EJH**
1,2-Dichloropropane	ND	0.0051		mg/Kg-dry	1	8/31/2010
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/31/2010
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/31/2010
Ethylbenzene	0.0079	0.0051		mg/Kg-dry	1	8/31/2010
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/31/2010
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/31/2010
Methylene chloride	ND	0.01		mg/Kg-dry	1	8/31/2010
Methyl tert-butyl ether	ND	0.0051		mg/Kg-dry	1	8/31/2010
Styrene	ND	0.0051		mg/Kg-dry	1	8/31/2010
1,1,2,2-Tetrachloroethane	ND	0.0051		mg/Kg-dry	1	8/31/2010
Tetrachloroethene	ND	0.0051		mg/Kg-dry	1	8/31/2010
Toluene	0.0085	0.0051		mg/Kg-dry	1	8/31/2010
1,1,1-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/31/2010
1,1,2-Trichloroethane	ND	0.0051		mg/Kg-dry	1	8/31/2010
Trichloroethene	ND	0.0051		mg/Kg-dry	1	8/31/2010
Vinyl chloride	ND	0.0051		mg/Kg-dry	1	8/31/2010
Xylenes, Total	ND	0.015		mg/Kg-dry	1	8/31/2010
Percent Moisture	**D2974**			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	18.5	0.2	*	wt%	1	8/30/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-5 (4-8)
Lab Order:	10080815	**Collection Date:**	8/25/2010 11:00:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-005		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs		**SW8082 (SW3550B)**		Prep Date: **8/26/2010**		Analyst: **GVC**
Aroclor 1016	ND	0.096		mg/Kg-dry	1	8/30/2010
Aroclor 1221	ND	0.096		mg/Kg-dry	1	8/30/2010
Aroclor 1232	ND	0.096		mg/Kg-dry	1	8/30/2010
Aroclor 1242	ND	0.096		mg/Kg-dry	1	8/30/2010
Aroclor 1248	ND	0.096		mg/Kg-dry	1	8/30/2010
Aroclor 1254	ND	0.096		mg/Kg-dry	1	8/30/2010
Aroclor 1260	ND	0.096		mg/Kg-dry	1	8/30/2010
TCLP Metals by ICP/MS		**SW1311/6020 (SW3005A)**		Prep Date: **9/17/2010**		Analyst: **JG**
Lead	0.015	0.005		mg/L	5	9/20/2010
Polynuclear Aromatic Hydrocarbons		**SW8270C-SIM (SW3550B)**		Prep Date: **8/31/2010**		Analyst: **VS**
Acenaphthene	ND	0.03		mg/Kg-dry	1	9/1/2010
Acenaphthylene	ND	0.03		mg/Kg-dry	1	9/1/2010
Anthracene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benz(a)anthracene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benzo(a)pyrene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benzo(b)fluoranthene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benzo(g,h,i)perylene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benzo(k)fluoranthene	ND	0.03		mg/Kg-dry	1	9/1/2010
Chrysene	ND	0.03		mg/Kg-dry	1	9/1/2010
Dibenz(a,h)anthracene	ND	0.03		mg/Kg-dry	1	9/1/2010
Fluoranthene	ND	0.03		mg/Kg-dry	1	9/1/2010
Fluorene	ND	0.03		mg/Kg-dry	1	9/1/2010
Indeno(1,2,3-cd)pyrene	ND	0.03		mg/Kg-dry	1	9/1/2010
Naphthalene	0.03	0.03		mg/Kg-dry	1	9/1/2010
Phenanthrene	ND	0.03		mg/Kg-dry	1	9/1/2010
Pyrene	ND	0.03		mg/Kg-dry	1	9/1/2010
Volatile Organic Compounds by GC/MS		**SW5035/8260B**		Prep Date: **8/26/2010**		Analyst: **EJH**
Acetone	ND	0.064		mg/Kg-dry	1	8/31/2010
Benzene	ND	0.0043		mg/Kg-dry	1	8/31/2010
Bromodichloromethane	ND	0.0043		mg/Kg-dry	1	8/31/2010
Bromoform	ND	0.0043		mg/Kg-dry	1	8/31/2010
Bromomethane	ND	0.0086		mg/Kg-dry	1	8/31/2010
2-Butanone	ND	0.064		mg/Kg-dry	1	8/31/2010
Carbon disulfide	ND	0.043		mg/Kg-dry	1	8/31/2010
Carbon tetrachloride	ND	0.0043		mg/Kg-dry	1	8/31/2010
Chlorobenzene	ND	0.0043		mg/Kg-dry	1	8/31/2010
Chloroethane	ND	0.0086		mg/Kg-dry	1	8/31/2010

Qualifiers:
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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-5 (4-8)
Lab Order:	10080815	**Collection Date:**	8/25/2010 11:00:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-005		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **EJH**
Chloroform	ND	0.0043		mg/Kg-dry	1	8/31/2010
Chloromethane	ND	0.0086		mg/Kg-dry	1	8/31/2010
Dibromochloromethane	ND	0.0043		mg/Kg-dry	1	8/31/2010
1,1-Dichloroethane	ND	0.0043		mg/Kg-dry	1	8/31/2010
1,2-Dichloroethane	ND	0.0043		mg/Kg-dry	1	8/31/2010
1,1-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/31/2010
cis-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/31/2010
trans-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	8/31/2010
1,2-Dichloropropane	ND	0.0043		mg/Kg-dry	1	8/31/2010
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/31/2010
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/31/2010
Ethylbenzene	ND	0.0043		mg/Kg-dry	1	8/31/2010
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/31/2010
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/31/2010
Methylene chloride	ND	0.0086		mg/Kg-dry	1	8/31/2010
Methyl tert-butyl ether	ND	0.0043		mg/Kg-dry	1	8/31/2010
Styrene	ND	0.0043		mg/Kg-dry	1	8/31/2010
1,1,2,2-Tetrachloroethane	ND	0.0043		mg/Kg-dry	1	8/31/2010
Tetrachloroethene	ND	0.0043		mg/Kg-dry	1	8/31/2010
Toluene	ND	0.0043		mg/Kg-dry	1	8/31/2010
1,1,1-Trichloroethane	ND	0.0043		mg/Kg-dry	1	8/31/2010
1,1,2-Trichloroethane	ND	0.0043		mg/Kg-dry	1	8/31/2010
Trichloroethene	ND	0.0043		mg/Kg-dry	1	8/31/2010
Vinyl chloride	ND	0.0043		mg/Kg-dry	1	8/31/2010
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/31/2010
Percent Moisture	**D2974**			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	17.3	0.2	*	wt%	1	8/30/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-6 (0-3)
Lab Order:	10080815	**Collection Date:**	8/25/2010 11:41:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-006		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs	**SW8082 (SW3550B)**			Prep Date: **8/26/2010**		Analyst: **GVC**
Aroclor 1016	ND	0.1		mg/Kg-dry	1	8/30/2010
Aroclor 1221	ND	0.1		mg/Kg-dry	1	8/30/2010
Aroclor 1232	ND	0.1		mg/Kg-dry	1	8/30/2010
Aroclor 1242	ND	0.1		mg/Kg-dry	1	8/30/2010
Aroclor 1248	ND	0.1		mg/Kg-dry	1	8/30/2010
Aroclor 1254	3.6	1		mg/Kg-dry	10	8/31/2010
Aroclor 1260	3.3	1		mg/Kg-dry	10	8/31/2010
Mercury	**SW7471A**			Prep Date: **8/31/2010**		Analyst: **LB**
Mercury	2.8	0.32		mg/Kg-dry	10	8/31/2010
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **8/27/2010**		Analyst: **JG**
Arsenic	21	1.1		mg/Kg-dry	10	8/27/2010
Barium	270	1.1		mg/Kg-dry	10	8/27/2010
Cadmium	44	0.55		mg/Kg-dry	10	8/27/2010
Chromium	41	1.1		mg/Kg-dry	10	8/27/2010
Lead	510	1.1		mg/Kg-dry	10	8/27/2010
Selenium	1.3	1.1		mg/Kg-dry	10	8/27/2010
Silver	ND	1.1		mg/Kg-dry	10	8/27/2010
Polynuclear Aromatic Hydrocarbons	**SW8270C-SIM (SW3550B)**			Prep Date: **8/31/2010**		Analyst: **VS**
Acenaphthene	0.067	0.042		mg/Kg-dry	10	8/31/2010
Acenaphthylene	0.063	0.042		mg/Kg-dry	10	8/31/2010
Anthracene	0.18	0.042		mg/Kg-dry	10	8/31/2010
Benz(a)anthracene	0.72	0.042		mg/Kg-dry	10	8/31/2010
Benzo(a)pyrene	0.95	0.042		mg/Kg-dry	10	8/31/2010
Benzo(b)fluoranthene	1.2	0.042		mg/Kg-dry	10	8/31/2010
Benzo(g,h,i)perylene	0.5	0.042		mg/Kg-dry	10	8/31/2010
Benzo(k)fluoranthene	0.57	0.042		mg/Kg-dry	10	8/31/2010
Chrysene	0.88	0.042		mg/Kg-dry	10	8/31/2010
Dibenz(a,h)anthracene	0.23	0.042		mg/Kg-dry	10	8/31/2010
Fluoranthene	1.2	0.042		mg/Kg-dry	10	8/31/2010
Fluorene	0.088	0.042		mg/Kg-dry	10	8/31/2010
Indeno(1,2,3-cd)pyrene	0.47	0.042		mg/Kg-dry	10	8/31/2010
Naphthalene	0.084	0.042		mg/Kg-dry	10	8/31/2010
Phenanthrene	0.6	0.042		mg/Kg-dry	10	8/31/2010
Pyrene	1.2	0.042		mg/Kg-dry	10	8/31/2010
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **EJH**
Acetone	ND	0.079		mg/Kg-dry	1	8/31/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-6 (0-3)
Lab Order:	10080815	**Collection Date:**	8/25/2010 11:41:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-006		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **EJH**
Benzene	ND	0.0053		mg/Kg-dry	1	8/31/2010
Bromodichloromethane	ND	0.0053		mg/Kg-dry	1	8/31/2010
Bromoform	ND	0.0053		mg/Kg-dry	1	8/31/2010
Bromomethane	ND	0.011		mg/Kg-dry	1	8/31/2010
2-Butanone	ND	0.079		mg/Kg-dry	1	8/31/2010
Carbon disulfide	ND	0.053		mg/Kg-dry	1	8/31/2010
Carbon tetrachloride	ND	0.0053		mg/Kg-dry	1	8/31/2010
Chlorobenzene	ND	0.0053		mg/Kg-dry	1	8/31/2010
Chloroethane	ND	0.011		mg/Kg-dry	1	8/31/2010
Chloroform	ND	0.0053		mg/Kg-dry	1	8/31/2010
Chloromethane	ND	0.011		mg/Kg-dry	1	8/31/2010
Dibromochloromethane	ND	0.0053		mg/Kg-dry	1	8/31/2010
1,1-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/31/2010
1,2-Dichloroethane	ND	0.0053		mg/Kg-dry	1	8/31/2010
1,1-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/31/2010
cis-1,2-Dichloroethene	0.014	0.0053		mg/Kg-dry	1	8/31/2010
trans-1,2-Dichloroethene	ND	0.0053		mg/Kg-dry	1	8/31/2010
1,2-Dichloropropane	ND	0.0053		mg/Kg-dry	1	8/31/2010
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/31/2010
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	8/31/2010
Ethylbenzene	ND	0.0053		mg/Kg-dry	1	8/31/2010
2-Hexanone	ND	0.021		mg/Kg-dry	1	8/31/2010
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	8/31/2010
Methylene chloride	ND	0.011		mg/Kg-dry	1	8/31/2010
Methyl tert-butyl ether	ND	0.0053		mg/Kg-dry	1	8/31/2010
Styrene	ND	0.0053		mg/Kg-dry	1	8/31/2010
1,1,2,2-Tetrachloroethane	ND	0.0053		mg/Kg-dry	1	8/31/2010
Tetrachloroethene	ND	0.0053		mg/Kg-dry	1	8/31/2010
Toluene	ND	0.0053		mg/Kg-dry	1	8/31/2010
1,1,1-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/31/2010
1,1,2-Trichloroethane	ND	0.0053		mg/Kg-dry	1	8/31/2010
Trichloroethene	ND	0.0053		mg/Kg-dry	1	8/31/2010
Vinyl chloride	0.015	0.0053		mg/Kg-dry	1	8/31/2010
Xylenes, Total	ND	0.016		mg/Kg-dry	1	8/31/2010
pH (25 °C)	**SW9045C**			Prep Date: **8/26/2010**		Analyst: **MNG**
pH	8.7			pH Units	1	8/26/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-6 (0-3)
Lab Order:	10080815	**Collection Date:**	8/25/2010 11:41:00 AM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-006		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	21.3	0.2	*	wt%	1	8/30/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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HT - Sample received past holding time
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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-8 (4-8)
Lab Order:	10080815	**Collection Date:**	8/25/2010 12:57:00 PM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-007		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **8/31/2010**		Analyst: **LB**
Mercury	ND	0.03		mg/Kg-dry	1	8/31/2010
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **8/27/2010**		Analyst: **JG**
Arsenic	11	1.2		mg/Kg-dry	10	8/27/2010
Barium	57	1.2		mg/Kg-dry	10	8/27/2010
Cadmium	ND	0.59		mg/Kg-dry	10	8/27/2010
Chromium	26	1.2		mg/Kg-dry	10	8/27/2010
Lead	25	1.2		mg/Kg-dry	10	8/27/2010
Selenium	ND	1.2		mg/Kg-dry	10	8/27/2010
Silver	ND	1.2		mg/Kg-dry	10	8/27/2010
Polynuclear Aromatic Hydrocarbons	**SW8270C-SIM (SW3550B)**			Prep Date: **8/31/2010**		Analyst: **VS**
Acenaphthene	ND	0.03		mg/Kg-dry	1	9/1/2010
Acenaphthylene	ND	0.03		mg/Kg-dry	1	9/1/2010
Anthracene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benz(a)anthracene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benzo(a)pyrene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benzo(b)fluoranthene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benzo(g,h,i)perylene	ND	0.03		mg/Kg-dry	1	9/1/2010
Benzo(k)fluoranthene	ND	0.03		mg/Kg-dry	1	9/1/2010
Chrysene	ND	0.03		mg/Kg-dry	1	9/1/2010
Dibenz(a,h)anthracene	ND	0.03		mg/Kg-dry	1	9/1/2010
Fluoranthene	ND	0.03		mg/Kg-dry	1	9/1/2010
Fluorene	ND	0.03		mg/Kg-dry	1	9/1/2010
Indeno(1,2,3-cd)pyrene	ND	0.03		mg/Kg-dry	1	9/1/2010
Naphthalene	ND	0.03		mg/Kg-dry	1	9/1/2010
Phenanthrene	ND	0.03		mg/Kg-dry	1	9/1/2010
Pyrene	ND	0.03		mg/Kg-dry	1	9/1/2010
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **EJH**
Acetone	0.079	0.063		mg/Kg-dry	1	8/31/2010
Benzene	ND	0.0042		mg/Kg-dry	1	8/31/2010
Bromodichloromethane	ND	0.0042		mg/Kg-dry	1	8/31/2010
Bromoform	ND	0.0042		mg/Kg-dry	1	8/31/2010
Bromomethane	ND	0.0084		mg/Kg-dry	1	8/31/2010
2-Butanone	ND	0.063		mg/Kg-dry	1	8/31/2010
Carbon disulfide	ND	0.042		mg/Kg-dry	1	8/31/2010
Carbon tetrachloride	ND	0.0042		mg/Kg-dry	1	8/31/2010
Chlorobenzene	ND	0.0042		mg/Kg-dry	1	8/31/2010
Chloroethane	ND	0.0084		mg/Kg-dry	1	8/31/2010

Qualifiers:
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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-8 (4-8)
Lab Order:	10080815	**Collection Date:**	8/25/2010 12:57:00 PM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-007		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **EJH**
Chloroform	ND	0.0042		mg/Kg-dry	1	8/31/2010
Chloromethane	ND	0.0084		mg/Kg-dry	1	8/31/2010
Dibromochloromethane	ND	0.0042		mg/Kg-dry	1	8/31/2010
1,1-Dichloroethane	ND	0.0042		mg/Kg-dry	1	8/31/2010
1,2-Dichloroethane	ND	0.0042		mg/Kg-dry	1	8/31/2010
1,1-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/31/2010
cis-1,2-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/31/2010
trans-1,2-Dichloroethene	ND	0.0042		mg/Kg-dry	1	8/31/2010
1,2-Dichloropropane	ND	0.0042		mg/Kg-dry	1	8/31/2010
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/31/2010
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	8/31/2010
Ethylbenzene	ND	0.0042		mg/Kg-dry	1	8/31/2010
2-Hexanone	ND	0.017		mg/Kg-dry	1	8/31/2010
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	8/31/2010
Methylene chloride	ND	0.0084		mg/Kg-dry	1	8/31/2010
Methyl tert-butyl ether	ND	0.0042		mg/Kg-dry	1	8/31/2010
Styrene	ND	0.0042		mg/Kg-dry	1	8/31/2010
1,1,2,2-Tetrachloroethane	ND	0.0042		mg/Kg-dry	1	8/31/2010
Tetrachloroethene	ND	0.0042		mg/Kg-dry	1	8/31/2010
Toluene	ND	0.0042		mg/Kg-dry	1	8/31/2010
1,1,1-Trichloroethane	ND	0.0042		mg/Kg-dry	1	8/31/2010
1,1,2-Trichloroethane	ND	0.0042		mg/Kg-dry	1	8/31/2010
Trichloroethene	ND	0.0042		mg/Kg-dry	1	8/31/2010
Vinyl chloride	ND	0.0042		mg/Kg-dry	1	8/31/2010
Xylenes, Total	ND	0.013		mg/Kg-dry	1	8/31/2010
pH (25 °C)	**SW9045C**			Prep Date: **8/26/2010**		Analyst: **MNG**
pH	7.4			pH Units	1	8/26/2010
Percent Moisture	**D2974**			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	16.6	0.2	*	wt%	1	8/30/2010

Qualifiers:

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-9 (0-3)
Lab Order:	10080815	**Collection Date:**	8/25/2010 1:30:00 PM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-008		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 9/7/2010		Analyst: LB
Mercury	0.13	0.027		mg/Kg-dry	1	9/8/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 9/7/2010		Analyst: JG
Arsenic	3.4	1		mg/Kg-dry	10	9/7/2010
Barium	130	1		mg/Kg-dry	10	9/7/2010
Cadmium	17	0.51		mg/Kg-dry	10	9/7/2010
Chromium	10	1		mg/Kg-dry	10	9/7/2010
Lead	200	0.51		mg/Kg-dry	10	9/7/2010
Selenium	ND	1		mg/Kg-dry	10	9/8/2010
Silver	ND	1		mg/Kg-dry	10	9/7/2010
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)			Prep Date: 9/7/2010		Analyst: VS
Acenaphthene	ND	0.035		mg/Kg-dry	10	9/8/2010
Acenaphthylene	ND	0.035		mg/Kg-dry	10	9/8/2010
Anthracene	ND	0.035		mg/Kg-dry	10	9/8/2010
Benz(a)anthracene	0.14	0.035		mg/Kg-dry	10	9/8/2010
Benzo(a)pyrene	0.16	0.035		mg/Kg-dry	10	9/8/2010
Benzo(b)fluoranthene	0.13	0.035		mg/Kg-dry	10	9/8/2010
Benzo(g,h,i)perylene	0.13	0.035		mg/Kg-dry	10	9/8/2010
Benzo(k)fluoranthene	0.13	0.035		mg/Kg-dry	10	9/8/2010
Chrysene	0.14	0.035		mg/Kg-dry	10	9/8/2010
Dibenz(a,h)anthracene	0.046	0.035		mg/Kg-dry	10	9/8/2010
Fluoranthene	0.21	0.035		mg/Kg-dry	10	9/8/2010
Fluorene	ND	0.035		mg/Kg-dry	10	9/8/2010
Indeno(1,2,3-cd)pyrene	0.089	0.035		mg/Kg-dry	10	9/8/2010
Naphthalene	ND	0.035		mg/Kg-dry	10	9/8/2010
Phenanthrene	0.075	0.035		mg/Kg-dry	10	9/8/2010
Pyrene	0.22	0.035		mg/Kg-dry	10	9/8/2010
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: 8/26/2010		Analyst: PS
Acetone	ND	0.073		mg/Kg-dry	1	9/3/2010
Benzene	ND	0.0049		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0049		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0049		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.0097		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.073		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.049		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0049		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0049		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.0097		mg/Kg-dry	1	9/3/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-9 (0-3)
Lab Order:	10080815	**Collection Date:**	8/25/2010 1:30:00 PM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-008		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **PS**
Chloroform	ND	0.0049		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.0097		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0049		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0049		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0049		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0049		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0049		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0049		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	9/3/2010
Ethylbenzene	0.006	0.0049		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.019		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.0097		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0049		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0049		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0049		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0049		mg/Kg-dry	1	9/3/2010
Toluene	0.0065	0.0049		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0049		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0049		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0049		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0049		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.015		mg/Kg-dry	1	9/3/2010
pH (25 °C)	**SW9045C**			Prep Date: **9/3/2010**		Analyst: **RW**
pH	9.0			pH Units	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	7.9	0.2	*	wt%	1	8/30/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-13 (0-4)
Lab Order:	10080815	**Collection Date:**	8/25/2010 2:15:00 PM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-009		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: **8/31/2010**		Analyst: LB
Mercury	0.11	0.032		mg/Kg-dry	1	8/31/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: **8/27/2010**		Analyst: JG
Arsenic	9.4	1.3		mg/Kg-dry	10	8/27/2010
Barium	85	1.3		mg/Kg-dry	10	8/27/2010
Cadmium	1.4	0.65		mg/Kg-dry	10	8/27/2010
Chromium	18	1.3		mg/Kg-dry	10	8/27/2010
Lead	130	1.3		mg/Kg-dry	10	8/27/2010
Selenium	1.3	1.3		mg/Kg-dry	10	8/27/2010
Silver	ND	1.3		mg/Kg-dry	10	8/27/2010
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)			Prep Date: **8/31/2010**		Analyst: VS
Acenaphthene	0.088	0.042		mg/Kg-dry	10	8/31/2010
Acenaphthylene	0.076	0.042		mg/Kg-dry	10	8/31/2010
Anthracene	0.15	0.042		mg/Kg-dry	10	8/31/2010
Benz(a)anthracene	0.39	0.042		mg/Kg-dry	10	8/31/2010
Benzo(a)pyrene	0.24	0.042		mg/Kg-dry	10	8/31/2010
Benzo(b)fluoranthene	0.2	0.042		mg/Kg-dry	10	8/31/2010
Benzo(g,h,i)perylene	0.097	0.042		mg/Kg-dry	10	8/31/2010
Benzo(k)fluoranthene	0.12	0.042		mg/Kg-dry	10	8/31/2010
Chrysene	0.54	0.042		mg/Kg-dry	10	8/31/2010
Dibenz(a,h)anthracene	0.046	0.042		mg/Kg-dry	10	8/31/2010
Fluoranthene	0.48	0.042		mg/Kg-dry	10	8/31/2010
Fluorene	0.19	0.042		mg/Kg-dry	10	8/31/2010
Indeno(1,2,3-cd)pyrene	0.067	0.042		mg/Kg-dry	10	8/31/2010
Naphthalene	9.8	0.42		mg/Kg-dry	100	8/31/2010
Phenanthrene	0.71	0.042		mg/Kg-dry	10	8/31/2010
Pyrene	0.85	0.042		mg/Kg-dry	10	8/31/2010
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: **8/26/2010**		Analyst: PS
Acetone	ND	4.1		mg/Kg-dry	50	8/31/2010
Benzene	10	0.27		mg/Kg-dry	50	8/31/2010
Bromodichloromethane	ND	0.27		mg/Kg-dry	50	8/31/2010
Bromoform	ND	0.27		mg/Kg-dry	50	8/31/2010
Bromomethane	ND	0.55		mg/Kg-dry	50	8/31/2010
2-Butanone	ND	4.1		mg/Kg-dry	50	8/31/2010
Carbon disulfide	ND	2.7		mg/Kg-dry	50	8/31/2010
Carbon tetrachloride	ND	0.27		mg/Kg-dry	50	8/31/2010
Chlorobenzene	ND	0.27		mg/Kg-dry	50	8/31/2010
Chloroethane	ND	0.55		mg/Kg-dry	50	8/31/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-13 (0-4)
Lab Order:	10080815	**Collection Date:**	8/25/2010 2:15:00 PM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-009		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **8/26/2010**		Analyst: **PS**
Chloroform	ND	0.27		mg/Kg-dry	50	8/31/2010
Chloromethane	ND	0.55		mg/Kg-dry	50	8/31/2010
Dibromochloromethane	ND	0.27		mg/Kg-dry	50	8/31/2010
1,1-Dichloroethane	ND	0.27		mg/Kg-dry	50	8/31/2010
1,2-Dichloroethane	ND	0.27		mg/Kg-dry	50	8/31/2010
1,1-Dichloroethene	ND	0.27		mg/Kg-dry	50	8/31/2010
cis-1,2-Dichloroethene	ND	0.27		mg/Kg-dry	50	8/31/2010
trans-1,2-Dichloroethene	ND	0.27		mg/Kg-dry	50	8/31/2010
1,2-Dichloropropane	ND	0.27		mg/Kg-dry	50	8/31/2010
cis-1,3-Dichloropropene	ND	0.11		mg/Kg-dry	50	8/31/2010
trans-1,3-Dichloropropene	ND	0.11		mg/Kg-dry	50	8/31/2010
Ethylbenzene	32	2.7		mg/Kg-dry	500	8/31/2010
2-Hexanone	ND	1.1		mg/Kg-dry	50	8/31/2010
4-Methyl-2-pentanone	ND	1.1		mg/Kg-dry	50	8/31/2010
Methylene chloride	ND	0.55		mg/Kg-dry	50	8/31/2010
Methyl tert-butyl ether	ND	0.27		mg/Kg-dry	50	8/31/2010
Styrene	ND	0.27		mg/Kg-dry	50	8/31/2010
1,1,2,2-Tetrachloroethane	ND	0.27		mg/Kg-dry	50	8/31/2010
Tetrachloroethene	ND	0.27		mg/Kg-dry	50	8/31/2010
Toluene	0.87	0.27		mg/Kg-dry	50	8/31/2010
1,1,1-Trichloroethane	ND	0.27		mg/Kg-dry	50	8/31/2010
1,1,2-Trichloroethane	ND	0.27		mg/Kg-dry	50	8/31/2010
Trichloroethene	ND	0.27		mg/Kg-dry	50	8/31/2010
Vinyl chloride	ND	0.27		mg/Kg-dry	50	8/31/2010
Xylenes, Total	8.6	0.82		mg/Kg-dry	50	8/31/2010
pH (25 °C)	**SW9045C**			Prep Date: **8/26/2010**		Analyst: **MNG**
pH	7.9			pH Units	1	8/26/2010
Percent Moisture	**D2974**			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	22.8	0.2	*	wt%	1	8/30/2010

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Date Reported: September 21, 2010
Date Printed: September 21, 2010

Client:	Pioneer Engineering & Environmental Servi	**Client Sample ID:**	PB-13 (8-12)
Lab Order:	10080815	**Collection Date:**	8/25/2010 2:50:00 PM
Project:	10-0461-101, UNO, 3434 West 51st Street, Chicag	**Matrix:**	Soil
Lab ID:	10080815-010		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974			Prep Date: **8/27/2010**		Analyst: **JP**
Percent Moisture	14.6	0.2	*	wt%	1	8/30/2010

Qualifiers:

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- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter
- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

STAT Analysis Corporation
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e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

CHAIN OF CUSTODY RECORD

№: 822797 Page : ____ of ____

Company:

Project Number: Client Tracking No.:

Project Name :

Project Location:

Sampler(s):

Report To: Phone:

Fax:

QC Level: 1 ____ 2 ____ 3 ____ 4 ____ e-mail:

P.O. No.:

Quote No.:

Turn Around: Std.

Results Needed: am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No. of Containers	Total RCRA 8 Metals	PAH	PVOCs	PNAs	PCBs	Remarks	Lab No.:
PB-1 (0-4)	8/25/10	8:49	Soil				5	X	X					001
PB-2 (0-4)		9:35	Soil				5	X	X					002
PB-3 (0-3)		10:15	Soil				5	X	X	X	X	X		003
PB-4 (0-4)		10:36	Soil				4			X	X			004
PB-5 (4-8)		11:00	Soil				4			X	X	X		005
PB-6 (0-3)		11:41	Soil				5	X	X	X	X	X		006
PB-8 (4-8)		12:57	Soil				5	X	X	X	X			007
PB-9 (0-3)		1:30	Soil				5	X	X	X	X			008
PB-13 (0-4)		2:15	Soil				4	X	X	X	X			009
PB-13 (8-12)	↓	2:50	Soil				5						Hold	010

Relinquished by: (Signature)	Date/Time: 8/25/10	
Received by: (Signature)	Date/Time: 8/25/10	1610
Relinquished by: (Signature)	Date/Time: 8/25/10	1635
Received by: (Signature)	Date/Time: 8/25/10	
Relinquished by: (Signature)	Date/Time:	
Received by: (Signature)	Date/Time:	

Comments:

Laboratory Work Order No.: 10080815

Received on Ice: Yes [X] No [ ]

Temperature: 3.6 °C

Preservation Code: A = None B = HNO_3 C = NaOH
D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

STAT Analysis Corporation

Sample Receipt Checklist

Client Name PIONEER | Date and Time Received: 8/25/2010 4:35:00 PM

Work Order Number 10080815 | Received by: CDF

Checklist completed by: Signature 8/25/10 Date | Reviewed by: Initials CO 8/26/10 Date

Matrix: | Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 3.6 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?

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

Comments:

Client / Person contacted: | Date contacted: | Contacted by:

Response:

Craig Chawla 1008085

From: Dakota Prentice [dprentice@pioneerees.com]
Sent: Thursday, August 26, 2010 8:46 AM
To: Craig Chawla
Subject: Testing

Craig,
The samples pickup up yesterday under chain number 822797 should be:

Project Number: 10-0461-101
Project Name: Uno
Project Location: 3434 West 51st Street, Chicago

Please place sample PB-9(0-3) on hold if you have not already started the analysis.

Thanks,
Dakota

Dakota Prentice / Project Manager
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd. Suite 101 | Chicago, IL 60612
Tel: 773-722-9200 x. 205 | Fax: 773-722-9201
dprentice@pioneerees.com | www.pioneerees.com
CELEBRATING 20 YEARS IN BUSINESS '89 - '09

Craig Chawla

From: Dakota Prentice [dprentice@pioneerees.com]
Sent: Friday, September 03, 2010 8:24 AM
To: Craig Chawla
Subject: Re: 10-0461-101, UNO, 3434 West 51st Street, Chicago 10080815

Craig,
Please analyze sample PB-9(0-3) for VOCs, PNAs, and total RCRA 8 metals with pH.

Thanks,
Dakota

Dakota Prentice / Project Manager
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd. Suite 101 | Chicago, IL 60612
Tel: 773-722-9200 x. 205 | Fax: 773-722-9201
dprentice@pioneerees.com | www.pioneerEES.com
CELEBRATING 20 YEARS IN BUSINESS '89 - '09

On Sep 2, 2010, at 9:59 AM, Craig Chawla wrote:

> Dakota,
>
> Attached is the report for project 10-0461-101, UNO, 3434 West 51st Street, Chicago received 8/25/2010.
>
> Let me know if additional analysis is needed.
>
> Craig Chawla
> STAT Analysis Corporation
> 2242 W. Harrison, Suite 200
> Chicago, IL 60612
> (312)733-0551
>
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Craig Chawla

From: Dakota Prentice [dprentice@pioneerees.com]
Sent: Friday, September 03, 2010 10:02 AM
To: Craig Chawla
Subject: Re: 10-0461-101, UNO, 3434 West 51st Street, Chicago 10080815

Craig,
Please analyze the following samples for TCLP lead:
PB-1(0-4)
PB-2(0-4)
PB-3(0-3)

Thanks,
Dakota

Dakota Prentice / Project Manager
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd. Suite 101 | Chicago, IL 60612
Tel: 773-722-9200 x. 205 | Fax: 773-722-9201
dprentice@pioneerees.com | www.pioneerEES.com
CELEBRATING 20 YEARS IN BUSINESS '89 - '09

On Sep 2, 2010, at 9:59 AM, Craig Chawla wrote:

> Dakota,
>
> Attached is the report for project 10-0461-101, UNO, 3434 West 51st Street, Chicago received 8/25/2010.
>
> Let me know if additional analysis is needed.
>
> Craig Chawla
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Craig Chawla

From: Dakota Prentice [dprentice@pioneerees.com]
Sent: Thursday, September 16, 2010 11:04 AM
To: Craig Chawla
Cc: Catia Giannini
Subject: Re: 10-0461-101, UNO, 3434 West 51st Street, Chicago 10080815

Please analyze:
PB-4 (0-4)
PB-5 (4-8)

For: TCLP Lead on a 48-hr turn

Thanks,
Dakota

Dakota Prentice / Project Manager
Pioneer Engineering & Environmental Services, Inc
700 N. Sacramento Blvd. Suite 101 | Chicago, IL 60612
Tel: 773-722-9200 x. 205 | Fax: 773-722-9201
dprentice@pioneerees.com | www.pioneerees.com
CELEBRATING 20 YEARS IN BUSINESS '89 - '09

On Sep 9, 2010, at 11:22 AM, Craig Chawla wrote:

> Dakota,
>
> Attached is the report containing additional analysis for project 10-0461-101, UNO, 3434 West 51st Street, Chicago received 8/25/2010.
>
> Craig Chawla
> STAT Analysis Corporation
> 2242 W. Harrison, Suite 200
> Chicago, IL 60612
> (312)733-0551
>
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

September 12, 2010

Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 100
Chicago, IL 60612
Telephone: (773) 722-9200
Fax: (773) 722-9201

RE: 10-0461-101, UNO, 51st St., Chicago STAT Project No 10090070

Dear Dakota Prentice:

STAT Analysis received 10 samples for the referenced project on 9/2/2010 4:55:00 PM. The analytical results are presented in the following report.

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

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

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

Sincerely,

Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: September 12, 2010

Client: Pioneer Engineering & Environmental Services, Inc.
Project: 10-0461-101, UNO, 51st St., Chicago
Lab Order: 10090070

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10090070-001A	PB-7 (6-8)		9/2/2010 9:15:00 AM	9/2/2010
10090070-001B	PB-7 (6-8)		9/2/2010 9:15:00 AM	9/2/2010
10090070-002A	PB-10 (9-11)		9/2/2010 10:02:00 AM	9/2/2010
10090070-002B	PB-10 (9-11)		9/2/2010 10:02:00 AM	9/2/2010
10090070-003A	PB-11 (4-6)		9/2/2010 10:35:00 AM	9/2/2010
10090070-003B	PB-11 (4-6)		9/2/2010 10:35:00 AM	9/2/2010
10090070-004A	PB12 (6-8)		9/2/2010 11:10:00 AM	9/2/2010
10090070-004B	PB12 (6-8)		9/2/2010 11:10:00 AM	9/2/2010
10090070-005A	PB-14 (9-11)		9/2/2010 11:33:00 AM	9/2/2010
10090070-005B	PB-14 (9-11)		9/2/2010 11:33:00 AM	9/2/2010
10090070-006A	PB-15 (4-6)		9/2/2010 11:53:00 AM	9/2/2010
10090070-006B	PB-15 (4-6)		9/2/2010 11:53:00 AM	9/2/2010
10090070-007A	PB-16 (4-6)		9/2/2010 12:25:00 PM	9/2/2010
10090070-007B	PB-16 (4-6)		9/2/2010 12:25:00 PM	9/2/2010
10090070-008A	PB-17 (6-8)		9/2/2010 12:50:00 PM	9/2/2010
10090070-008B	PB-17 (6-8)		9/2/2010 12:50:00 PM	9/2/2010
10090070-009A	PB-18 (4-6)		9/2/2010 1:38:00 PM	9/2/2010
10090070-009B	PB-18 (4-6)		9/2/2010 1:38:00 PM	9/2/2010
10090070-010A	PB-19 (4-6)		9/2/2010 2:20:00 PM	9/2/2010
10090070-010B	PB-19 (4-6)		9/2/2010 2:20:00 PM	9/2/2010

CLIENT:	Pioneer Engineering & Environmental Ser
Project:	10-0461-101, UNO, 51st St., Chicago
Lab Order:	10090070

CASE NARRATIVE

Due to matrix interference, VOC results for sample PB12 (6-8) (10090070-004) and PB-15 (4-6) (10090070-006) are reported from the medium level dilution (Methanol Extract).

Sample PB-11 (4-6) (10090070-003) had recovery for PNA surrogate 4-Terphenyl-d14 outside of control limits (160% recovery, QC Limits 18-137%). Recoveries for all other surrogates were within control limits.

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

Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-001

Client Sample ID: PB-7 (6-8)
Collection Date: 9/2/2010 9:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
PCBs	SW8082 (SW3550B)			Prep Date: 9/8/2010		Analyst: GVC
Aroclor 1016	ND	0.093		mg/Kg-dry	1	9/8/2010
Aroclor 1221	ND	0.093		mg/Kg-dry	1	9/8/2010
Aroclor 1232	ND	0.093		mg/Kg-dry	1	9/8/2010
Aroclor 1242	ND	0.093		mg/Kg-dry	1	9/8/2010
Aroclor 1248	ND	0.093		mg/Kg-dry	1	9/8/2010
Aroclor 1254	ND	0.093		mg/Kg-dry	1	9/8/2010
Aroclor 1260	ND	0.093		mg/Kg-dry	1	9/8/2010
Mercury	SW7471A			Prep Date: 9/8/2010		Analyst: LB
Mercury	0.16	0.029		mg/Kg-dry	1	9/8/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 9/3/2010		Analyst: JG
Arsenic	13	1.1		mg/Kg-dry	10	9/3/2010
Barium	120	1.1		mg/Kg-dry	10	9/3/2010
Cadmium	0.65	0.55		mg/Kg-dry	10	9/3/2010
Chromium	31	1.1		mg/Kg-dry	10	9/3/2010
Lead	47	0.55		mg/Kg-dry	10	9/3/2010
Selenium	ND	1.1		mg/Kg-dry	10	9/3/2010
Silver	ND	1.1		mg/Kg-dry	10	9/3/2010
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)			Prep Date: 9/8/2010		Analyst: VS
Acenaphthene	0.09	0.039		mg/Kg-dry	10	9/10/2010
Acenaphthylene	ND	0.039		mg/Kg-dry	10	9/10/2010
Anthracene	0.2	0.039		mg/Kg-dry	10	9/10/2010
Benz(a)anthracene	0.36	0.039		mg/Kg-dry	10	9/10/2010
Benzo(a)pyrene	0.34	0.039		mg/Kg-dry	10	9/10/2010
Benzo(b)fluoranthene	0.25	0.039		mg/Kg-dry	10	9/10/2010
Benzo(g,h,i)perylene	0.18	0.039		mg/Kg-dry	10	9/10/2010
Benzo(k)fluoranthene	0.33	0.039		mg/Kg-dry	10	9/10/2010
Chrysene	0.35	0.039		mg/Kg-dry	10	9/10/2010
Dibenz(a,h)anthracene	0.086	0.039		mg/Kg-dry	10	9/10/2010
Fluoranthene	0.89	0.039		mg/Kg-dry	10	9/10/2010
Fluorene	0.14	0.039		mg/Kg-dry	10	9/10/2010
Indeno(1,2,3-cd)pyrene	0.17	0.039		mg/Kg-dry	10	9/10/2010
Naphthalene	0.082	0.039		mg/Kg-dry	10	9/10/2010
Phenanthrene	0.76	0.039		mg/Kg-dry	10	9/10/2010
Pyrene	0.71	0.039		mg/Kg-dry	10	9/10/2010
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: 9/2/2010		Analyst: PS
Acetone	ND	0.06		mg/Kg-dry	1	9/3/2010

Qualifiers:

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

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

Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-001

Client Sample ID: PB-7 (6-8)
Collection Date: 9/2/2010 9:15:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Benzene	ND	0.004		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.004		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.004		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.008		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.06		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.04		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.004		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.004		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.008		mg/Kg-dry	1	9/3/2010
Chloroform	ND	0.004		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.008		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.004		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.004		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.004		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.004		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.004		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.004		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.004		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0016		mg/Kg-dry	1	9/3/2010
Ethylbenzene	0.012	0.004		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.016		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.016		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.008		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.004		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.004		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.004		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.004		mg/Kg-dry	1	9/3/2010
Toluene	0.016	0.004		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.004		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.004		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.004		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.004		mg/Kg-dry	1	9/3/2010
Xylenes, Total	0.017	0.012		mg/Kg-dry	1	9/3/2010
pH (25 °C)	**SW9045C**			Prep Date: **9/3/2010**		Analyst: **RW**
pH	8.2			pH Units	1	9/3/2010

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client:	Pioneer Engineering & Environmental Ser	**Client Sample ID:**	PB-7 (6-8)
Lab Order:	10090070	**Collection Date:**	9/2/2010 9:15:00 AM
Project:	10-0461-101, UNO, 51st St., Chicago	**Matrix:**	Soil
Lab ID:	10090070-001		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Percent Moisture	D2974			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	15.0	0.2	*	wt%	1	9/3/2010

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

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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-002

Client Sample ID: PB-10 (9-11)
Collection Date: 9/2/2010 10:02:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 9/8/2010		Analyst: LB
Mercury	0.037	0.03		mg/Kg-dry	1	9/8/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 9/3/2010		Analyst: JG
Arsenic	9.9	1.1		mg/Kg-dry	10	9/3/2010
Barium	83	1.1		mg/Kg-dry	10	9/3/2010
Cadmium	ND	0.53		mg/Kg-dry	10	9/3/2010
Chromium	27	1.1		mg/Kg-dry	10	9/3/2010
Lead	20	0.53		mg/Kg-dry	10	9/3/2010
Selenium	ND	1.1		mg/Kg-dry	10	9/3/2010
Silver	ND	1.1		mg/Kg-dry	10	9/3/2010
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)			Prep Date: 9/8/2010		Analyst: VS
Acenaphthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Acenaphthylene	ND	0.04		mg/Kg-dry	10	9/9/2010
Anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benz(a)anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(a)pyrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(b)fluoranthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(g,h,i)perylene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(k)fluoranthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Chrysene	ND	0.04		mg/Kg-dry	10	9/9/2010
Dibenz(a,h)anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Fluoranthene	0.052	0.04		mg/Kg-dry	10	9/9/2010
Fluorene	ND	0.04		mg/Kg-dry	10	9/9/2010
Indeno(1,2,3-cd)pyrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Naphthalene	ND	0.04		mg/Kg-dry	10	9/9/2010
Phenanthrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Pyrene	0.056	0.04		mg/Kg-dry	10	9/9/2010
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: 9/2/2010		Analyst: PS
Acetone	ND	0.068		mg/Kg-dry	1	9/3/2010
Benzene	ND	0.0046		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0046		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0046		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.0091		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.068		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.046		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0046		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0046		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.0091		mg/Kg-dry	1	9/3/2010

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
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R - RPD outside accepted recovery limits
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-002

Client Sample ID: PB-10 (9-11)
Collection Date: 9/2/2010 10:02:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Chloroform	ND	0.0046		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.0091		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0046		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0046		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0046		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0046		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0046		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0046		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	9/3/2010
Ethylbenzene	ND	0.0046		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.018		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.0091		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0046		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0046		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0046		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0046		mg/Kg-dry	1	9/3/2010
Toluene	ND	0.0046		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0046		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0046		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0046		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0046		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.014		mg/Kg-dry	1	9/3/2010
pH (25 °C)	**SW9045C**			Prep Date: **9/3/2010**		Analyst: **RW**
pH	8.9			pH Units	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	16.9	0.2	*	wt%	1	9/3/2010

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
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R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client:	Pioneer Engineering & Environmental Ser	**Client Sample ID:**	PB-11 (4-6)
Lab Order:	10090070	**Collection Date:**	9/2/2010 10:35:00 AM
Project:	10-0461-101, UNO, 51st St., Chicago	**Matrix:**	Soil
Lab ID:	10090070-003		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Polynuclear Aromatic Hydrocarbons		**SW8270C-SIM (SW3550B)**		Prep Date: **9/8/2010**		Analyst: **VS**
Acenaphthene	2.4	0.039		mg/Kg-dry	10	9/9/2010
Acenaphthylene	1.8	0.039		mg/Kg-dry	10	9/9/2010
Anthracene	0.76	0.039		mg/Kg-dry	10	9/9/2010
Benz(a)anthracene	0.052	0.039		mg/Kg-dry	10	9/9/2010
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	10	9/9/2010
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	10	9/9/2010
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	10	9/9/2010
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	10	9/9/2010
Chrysene	0.064	0.039		mg/Kg-dry	10	9/9/2010
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	10	9/9/2010
Fluoranthene	0.29	0.039		mg/Kg-dry	10	9/9/2010
Fluorene	3.8	0.039		mg/Kg-dry	10	9/9/2010
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	10	9/9/2010
Naphthalene	0.74	0.039		mg/Kg-dry	10	9/9/2010
Phenanthrene	8.1	0.39		mg/Kg-dry	100	9/10/2010
Pyrene	0.53	0.039		mg/Kg-dry	10	9/9/2010
BTEX by GC/MS		**SW5035/8260B**		Prep Date: **9/2/2010**		Analyst: **PS**
Benzene	ND	0.0042		mg/Kg-dry	1	9/3/2010
Toluene	0.0092	0.0042		mg/Kg-dry	1	9/3/2010
Ethylbenzene	0.0047	0.0042		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.013		mg/Kg-dry	1	9/3/2010
Percent Moisture		**D2974**		Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	16.7	0.2	*	wt%	1	9/3/2010

Qualifiers:

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H - Holding time exceeded

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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-004

Client Sample ID: PB12 (6-8)
Collection Date: 9/2/2010 11:10:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 9/8/2010		Analyst: LB
Mercury	ND	0.03		mg/Kg-dry	1	9/8/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 9/3/2010		Analyst: JG
Arsenic	2.1	1.2		mg/Kg-dry	10	9/3/2010
Barium	11	1.2		mg/Kg-dry	10	9/3/2010
Cadmium	ND	0.61		mg/Kg-dry	10	9/3/2010
Chromium	4.6	1.2		mg/Kg-dry	10	9/3/2010
Lead	6.7	0.61		mg/Kg-dry	10	9/3/2010
Selenium	ND	1.2		mg/Kg-dry	10	9/3/2010
Silver	ND	1.2		mg/Kg-dry	10	9/3/2010
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)			Prep Date: 9/8/2010		Analyst: VS
Acenaphthene	0.032	0.031		mg/Kg-dry	1	9/9/2010
Acenaphthylene	0.059	0.031		mg/Kg-dry	1	9/9/2010
Anthracene	ND	0.031		mg/Kg-dry	1	9/9/2010
Benz(a)anthracene	ND	0.031		mg/Kg-dry	1	9/9/2010
Benzo(a)pyrene	ND	0.031		mg/Kg-dry	1	9/9/2010
Benzo(b)fluoranthene	ND	0.031		mg/Kg-dry	1	9/9/2010
Benzo(g,h,i)perylene	ND	0.031		mg/Kg-dry	1	9/9/2010
Benzo(k)fluoranthene	ND	0.031		mg/Kg-dry	1	9/9/2010
Chrysene	ND	0.031		mg/Kg-dry	1	9/9/2010
Dibenz(a,h)anthracene	ND	0.031		mg/Kg-dry	1	9/9/2010
Fluoranthene	0.045	0.031		mg/Kg-dry	1	9/9/2010
Fluorene	0.047	0.031		mg/Kg-dry	1	9/9/2010
Indeno(1,2,3-cd)pyrene	ND	0.031		mg/Kg-dry	1	9/9/2010
Naphthalene	0.097	0.031		mg/Kg-dry	1	9/9/2010
Phenanthrene	0.12	0.031		mg/Kg-dry	1	9/9/2010
Pyrene	0.038	0.031		mg/Kg-dry	1	9/9/2010
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: 9/2/2010		Analyst: PS
Acetone	ND	0.079		mg/Kg-dry	1	9/3/2010
Benzene	0.0069	0.0052		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0052		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0052		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.01		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.079		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.052		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0052		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0052		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.01		mg/Kg-dry	1	9/3/2010

Qualifiers:
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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client:	Pioneer Engineering & Environmental Ser	**Client Sample ID:**	PB12 (6-8)
Lab Order:	10090070	**Collection Date:**	9/2/2010 11:10:00 AM
Project:	10-0461-101, UNO, 51st St., Chicago	**Matrix:**	Soil
Lab ID:	10090070-004		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Chloroform	ND	0.0052		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.01		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0052		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0052		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0052		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0052		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0052		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0052		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0021		mg/Kg-dry	1	9/3/2010
Ethylbenzene	ND	0.0052		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.021		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.021		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.01		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0052		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0052		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0052		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0052		mg/Kg-dry	1	9/3/2010
Toluene	ND	0.0052		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0052		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0052		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0052		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0052		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.016		mg/Kg-dry	1	9/3/2010
pH (25 °C)	**SW9045C**			Prep Date: **9/3/2010**		Analyst: **RW**
pH	8.2			pH Units	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	20.5	0.2	*	wt%	1	9/3/2010

Qualifiers:

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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-005

Client Sample ID: PB-14 (9-11)
Collection Date: 9/2/2010 11:33:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Acetone	ND	0.064		mg/Kg-dry	1	9/3/2010
Benzene	ND	0.0043		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0043		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0043		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.0085		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.064		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.043		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0043		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0043		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.0085		mg/Kg-dry	1	9/3/2010
Chloroform	ND	0.0043		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.0085		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0043		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0043		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0043		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0043		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0043		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0043		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	9/3/2010
Ethylbenzene	ND	0.0043		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.017		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.0085		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0043		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0043		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0043		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0043		mg/Kg-dry	1	9/3/2010
Toluene	0.0055	0.0043		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0043		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0043		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0043		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0043		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.013		mg/Kg-dry	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	14.2	0.2	*	wt%	1	9/3/2010

Qualifiers:
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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-006

Client Sample ID: PB-15 (4-6)
Collection Date: 9/2/2010 11:53:00 AM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Acetone	ND	0.067		mg/Kg-dry	1	9/3/2010
Benzene	ND	0.0045		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0045		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0045		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.0089		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.067		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.045		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0045		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0045		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.0089		mg/Kg-dry	1	9/3/2010
Chloroform	ND	0.0045		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.0089		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0045		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0045		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0045		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0045		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0045		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0045		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0018		mg/Kg-dry	1	9/3/2010
Ethylbenzene	0.0064	0.0045		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.018		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.018		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.0089		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0045		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0045		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0045		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0045		mg/Kg-dry	1	9/3/2010
Toluene	ND	0.0045		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0045		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0045		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0045		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0045		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.013		mg/Kg-dry	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	14.8	0.2	*	wt%	1	9/3/2010

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

Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client:	Pioneer Engineering & Environmental Ser	**Client Sample ID:**	PB-16 (4-6)
Lab Order:	10090070	**Collection Date:**	9/2/2010 12:25:00 PM
Project:	10-0461-101, UNO, 51st St., Chicago	**Matrix:**	Soil
Lab ID:	10090070-007		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 9/8/2010		Analyst: LB
Mercury	0.036	0.029		mg/Kg-dry	1	9/8/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 9/3/2010		Analyst: JG
Arsenic	13	1.2		mg/Kg-dry	10	9/3/2010
Barium	71	1.2		mg/Kg-dry	10	9/3/2010
Cadmium	0.72	0.58		mg/Kg-dry	10	9/3/2010
Chromium	24	1.2		mg/Kg-dry	10	9/3/2010
Lead	20	0.58		mg/Kg-dry	10	9/3/2010
Selenium	ND	1.2		mg/Kg-dry	10	9/3/2010
Silver	ND	1.2		mg/Kg-dry	10	9/3/2010
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)			Prep Date: 9/8/2010		Analyst: VS
Acenaphthene	ND	0.039		mg/Kg-dry	10	9/9/2010
Acenaphthylene	ND	0.039		mg/Kg-dry	10	9/9/2010
Anthracene	ND	0.039		mg/Kg-dry	10	9/9/2010
Benz(a)anthracene	ND	0.039		mg/Kg-dry	10	9/9/2010
Benzo(a)pyrene	ND	0.039		mg/Kg-dry	10	9/9/2010
Benzo(b)fluoranthene	ND	0.039		mg/Kg-dry	10	9/9/2010
Benzo(g,h,i)perylene	ND	0.039		mg/Kg-dry	10	9/9/2010
Benzo(k)fluoranthene	ND	0.039		mg/Kg-dry	10	9/9/2010
Chrysene	ND	0.039		mg/Kg-dry	10	9/9/2010
Dibenz(a,h)anthracene	ND	0.039		mg/Kg-dry	10	9/9/2010
Fluoranthene	ND	0.039		mg/Kg-dry	10	9/9/2010
Fluorene	ND	0.039		mg/Kg-dry	10	9/9/2010
Indeno(1,2,3-cd)pyrene	ND	0.039		mg/Kg-dry	10	9/9/2010
Naphthalene	ND	0.039		mg/Kg-dry	10	9/9/2010
Phenanthrene	ND	0.039		mg/Kg-dry	10	9/9/2010
Pyrene	ND	0.039		mg/Kg-dry	10	9/9/2010
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: 9/2/2010		Analyst: PS
Acetone	ND	0.071		mg/Kg-dry	1	9/3/2010
Benzene	ND	0.0047		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0047		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.0094		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.071		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.047		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.0094		mg/Kg-dry	1	9/3/2010

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-007

Client Sample ID: PB-16 (4-6)
Collection Date: 9/2/2010 12:25:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Chloroform	ND	0.0047		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.0094		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	9/3/2010
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.019		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.0094		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
Toluene	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.014		mg/Kg-dry	1	9/3/2010
pH (25 °C)	**SW9045C**			Prep Date: **9/3/2010**		Analyst: **RW**
pH	8.6			pH Units	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	16.3	0.2	*	wt%	1	9/3/2010

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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-008

Client Sample ID: PB-17 (6-8)
Collection Date: 9/2/2010 12:50:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: 9/8/2010		Analyst: LB
Mercury	ND	0.03		mg/Kg-dry	1	9/8/2010
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: 9/3/2010		Analyst: JG
Arsenic	19	1.1		mg/Kg-dry	10	9/3/2010
Barium	52	1.1		mg/Kg-dry	10	9/3/2010
Cadmium	0.58	0.56		mg/Kg-dry	10	9/3/2010
Chromium	24	1.1		mg/Kg-dry	10	9/3/2010
Lead	21	0.56		mg/Kg-dry	10	9/3/2010
Selenium	ND	1.1		mg/Kg-dry	10	9/3/2010
Silver	ND	1.1		mg/Kg-dry	10	9/3/2010
Polynuclear Aromatic Hydrocarbons	**SW8270C-SIM (SW3550B)**			Prep Date: 9/8/2010		Analyst: VS
Acenaphthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Acenaphthylene	ND	0.04		mg/Kg-dry	10	9/9/2010
Anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benz(a)anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(a)pyrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(b)fluoranthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(g,h,i)perylene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(k)fluoranthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Chrysene	ND	0.04		mg/Kg-dry	10	9/9/2010
Dibenz(a,h)anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Fluoranthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Fluorene	ND	0.04		mg/Kg-dry	10	9/9/2010
Indeno(1,2,3-cd)pyrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Naphthalene	ND	0.04		mg/Kg-dry	10	9/9/2010
Phenanthrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Pyrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: 9/2/2010		Analyst: PS
Acetone	ND	0.063		mg/Kg-dry	1	9/3/2010
Benzene	ND	0.0042		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0042		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0042		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.0083		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.063		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.042		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0042		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0042		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.0083		mg/Kg-dry	1	9/3/2010

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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-008

Client Sample ID: PB-17 (6-8)
Collection Date: 9/2/2010 12:50:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Chloroform	ND	0.0042		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.0083		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0042		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0042		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0042		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0042		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0042		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0042		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0042		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0017		mg/Kg-dry	1	9/3/2010
Ethylbenzene	ND	0.0042		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.017		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.017		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.0083		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0042		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0042		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0042		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0042		mg/Kg-dry	1	9/3/2010
Toluene	ND	0.0042		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0042		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0042		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0042		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0042		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.013		mg/Kg-dry	1	9/3/2010
pH (25 °C)	**SW9045C**			Prep Date: **9/3/2010**		Analyst: **RW**
pH	8.3			pH Units	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	17.5	0.2	*	wt%	1	9/3/2010

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Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-009

Client Sample ID: PB-18 (4-6)
Collection Date: 9/2/2010 1:38:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A			Prep Date: 9/8/2010		Analyst: LB
Mercury	0.042	0.03		mg/Kg-dry	1	9/8/2010
Metals by ICP/MS	SW6020 (SW3050B)			Prep Date: 9/3/2010		Analyst: JG
Arsenic	43	1.2		mg/Kg-dry	10	9/3/2010
Barium	78	1.2		mg/Kg-dry	10	9/3/2010
Cadmium	0.96	0.6		mg/Kg-dry	10	9/3/2010
Chromium	30	1.2		mg/Kg-dry	10	9/3/2010
Lead	43	0.6		mg/Kg-dry	10	9/3/2010
Selenium	1.4	1.2		mg/Kg-dry	10	9/3/2010
Silver	ND	1.2		mg/Kg-dry	10	9/3/2010
Polynuclear Aromatic Hydrocarbons	SW8270C-SIM (SW3550B)			Prep Date: 9/8/2010		Analyst: VS
Acenaphthene	ND	0.03		mg/Kg-dry	1	9/9/2010
Acenaphthylene	ND	0.03		mg/Kg-dry	1	9/9/2010
Anthracene	ND	0.03		mg/Kg-dry	1	9/9/2010
Benz(a)anthracene	ND	0.03		mg/Kg-dry	1	9/9/2010
Benzo(a)pyrene	ND	0.03		mg/Kg-dry	1	9/9/2010
Benzo(b)fluoranthene	ND	0.03		mg/Kg-dry	1	9/9/2010
Benzo(g,h,i)perylene	ND	0.03		mg/Kg-dry	1	9/9/2010
Benzo(k)fluoranthene	ND	0.03		mg/Kg-dry	1	9/9/2010
Chrysene	ND	0.03		mg/Kg-dry	1	9/9/2010
Dibenz(a,h)anthracene	ND	0.03		mg/Kg-dry	1	9/9/2010
Fluoranthene	ND	0.03		mg/Kg-dry	1	9/9/2010
Fluorene	ND	0.03		mg/Kg-dry	1	9/9/2010
Indeno(1,2,3-cd)pyrene	ND	0.03		mg/Kg-dry	1	9/9/2010
Naphthalene	ND	0.03		mg/Kg-dry	1	9/9/2010
Phenanthrene	ND	0.03		mg/Kg-dry	1	9/9/2010
Pyrene	ND	0.03		mg/Kg-dry	1	9/9/2010
Volatile Organic Compounds by GC/MS	SW5035/8260B			Prep Date: 9/2/2010		Analyst: PS
Acetone	ND	0.07		mg/Kg-dry	1	9/3/2010
Benzene	ND	0.0047		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0047		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.0093		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.07		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.047		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0047		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0047		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.0093		mg/Kg-dry	1	9/3/2010

Qualifiers:
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Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-009

Client Sample ID: PB-18 (4-6)
Collection Date: 9/2/2010 1:38:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Chloroform	ND	0.0047		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.0093		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0047		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	9/3/2010
Ethylbenzene	ND	0.0047		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.019		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.0093		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0047		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
Toluene	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0047		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0047		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0047		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.014		mg/Kg-dry	1	9/3/2010
pH (25 °C)	**SW9045C**			Prep Date: **9/3/2010**		Analyst: **RW**
pH	9.2			pH Units	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	17.2	0.2	*	wt%	1	9/3/2010

Qualifiers:

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

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client:	Pioneer Engineering & Environmental Ser	**Client Sample ID:**	PB-19 (4-6)
Lab Order:	10090070	**Collection Date:**	9/2/2010 2:20:00 PM
Project:	10-0461-101, UNO, 51st St., Chicago	**Matrix:**	Soil
Lab ID:	10090070-010		

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	**SW7471A**			Prep Date: **9/8/2010**		Analyst: LB
Mercury	ND	0.03		mg/Kg-dry	1	9/8/2010
Metals by ICP/MS	**SW6020 (SW3050B)**			Prep Date: **9/3/2010**		Analyst: JG
Arsenic	2.6	1.2		mg/Kg-dry	10	9/3/2010
Barium	58	1.2		mg/Kg-dry	10	9/3/2010
Cadmium	ND	0.59		mg/Kg-dry	10	9/3/2010
Chromium	27	1.2		mg/Kg-dry	10	9/3/2010
Lead	15	0.59		mg/Kg-dry	10	9/3/2010
Selenium	ND	1.2		mg/Kg-dry	10	9/3/2010
Silver	ND	1.2		mg/Kg-dry	10	9/3/2010
Polynuclear Aromatic Hydrocarbons	**SW8270C-SIM (SW3550B)**			Prep Date: **9/8/2010**		Analyst: VS
Acenaphthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Acenaphthylene	ND	0.04		mg/Kg-dry	10	9/9/2010
Anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benz(a)anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(a)pyrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(b)fluoranthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(g,h,i)perylene	ND	0.04		mg/Kg-dry	10	9/9/2010
Benzo(k)fluoranthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Chrysene	ND	0.04		mg/Kg-dry	10	9/9/2010
Dibenz(a,h)anthracene	ND	0.04		mg/Kg-dry	10	9/9/2010
Fluoranthene	ND	0.04		mg/Kg-dry	10	9/9/2010
Fluorene	ND	0.04		mg/Kg-dry	10	9/9/2010
Indeno(1,2,3-cd)pyrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Naphthalene	ND	0.04		mg/Kg-dry	10	9/9/2010
Phenanthrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Pyrene	ND	0.04		mg/Kg-dry	10	9/9/2010
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: PS
Acetone	ND	0.072		mg/Kg-dry	1	9/3/2010
Benzene	ND	0.0048		mg/Kg-dry	1	9/3/2010
Bromodichloromethane	ND	0.0048		mg/Kg-dry	1	9/3/2010
Bromoform	ND	0.0048		mg/Kg-dry	1	9/3/2010
Bromomethane	ND	0.0096		mg/Kg-dry	1	9/3/2010
2-Butanone	ND	0.072		mg/Kg-dry	1	9/3/2010
Carbon disulfide	ND	0.048		mg/Kg-dry	1	9/3/2010
Carbon tetrachloride	ND	0.0048		mg/Kg-dry	1	9/3/2010
Chlorobenzene	ND	0.0048		mg/Kg-dry	1	9/3/2010
Chloroethane	ND	0.0096		mg/Kg-dry	1	9/3/2010

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

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

Date Reported: September 12, 2010
Date Printed: September 12, 2010

Client: Pioneer Engineering & Environmental Ser
Lab Order: 10090070
Project: 10-0461-101, UNO, 51st St., Chicago
Lab ID: 10090070-010

Client Sample ID: PB-19 (4-6)
Collection Date: 9/2/2010 2:20:00 PM
Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Volatile Organic Compounds by GC/MS	**SW5035/8260B**			Prep Date: **9/2/2010**		Analyst: **PS**
Chloroform	ND	0.0048		mg/Kg-dry	1	9/3/2010
Chloromethane	ND	0.0096		mg/Kg-dry	1	9/3/2010
Dibromochloromethane	ND	0.0048		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethane	ND	0.0048		mg/Kg-dry	1	9/3/2010
1,2-Dichloroethane	ND	0.0048		mg/Kg-dry	1	9/3/2010
1,1-Dichloroethene	ND	0.0048		mg/Kg-dry	1	9/3/2010
cis-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	9/3/2010
trans-1,2-Dichloroethene	ND	0.0048		mg/Kg-dry	1	9/3/2010
1,2-Dichloropropane	ND	0.0048		mg/Kg-dry	1	9/3/2010
cis-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	9/3/2010
trans-1,3-Dichloropropene	ND	0.0019		mg/Kg-dry	1	9/3/2010
Ethylbenzene	0.0095	0.0048		mg/Kg-dry	1	9/3/2010
2-Hexanone	ND	0.019		mg/Kg-dry	1	9/3/2010
4-Methyl-2-pentanone	ND	0.019		mg/Kg-dry	1	9/3/2010
Methylene chloride	ND	0.0096		mg/Kg-dry	1	9/3/2010
Methyl tert-butyl ether	ND	0.0048		mg/Kg-dry	1	9/3/2010
Styrene	ND	0.0048		mg/Kg-dry	1	9/3/2010
1,1,2,2-Tetrachloroethane	ND	0.0048		mg/Kg-dry	1	9/3/2010
Tetrachloroethene	ND	0.0048		mg/Kg-dry	1	9/3/2010
Toluene	0.016	0.0048		mg/Kg-dry	1	9/3/2010
1,1,1-Trichloroethane	ND	0.0048		mg/Kg-dry	1	9/3/2010
1,1,2-Trichloroethane	ND	0.0048		mg/Kg-dry	1	9/3/2010
Trichloroethene	ND	0.0048		mg/Kg-dry	1	9/3/2010
Vinyl chloride	ND	0.0048		mg/Kg-dry	1	9/3/2010
Xylenes, Total	ND	0.014		mg/Kg-dry	1	9/3/2010
pH (25 °C)	**SW9045C**			Prep Date: **9/3/2010**		Analyst: **RW**
pH	8.6			pH Units	1	9/3/2010
Percent Moisture	**D2974**			Prep Date: **9/2/2010**		Analyst: **RW**
Percent Moisture	18.0	0.2	*	wt%	1	9/3/2010

Qualifiers:

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

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e-mail address: STATinfo@STATAnalysis.com AIHA, NVLAP and NELAP accredited

CHAIN OF CUSTODY RECORD

№: 832716 Page: ____ of ____

Company: Pioneer
Project Number: 10-0461-101 Client Tracking No.:
Project Name: UNO
Project Location: 51st St, Chicago
Sampler(s): D Prentice
Report To: D Prentice Phone:
Fax:
QC Level: 1 ___ 2 ___ 3 ___ 4 ___ e-mail:

P.O. No.:
Quote No.:

Turn Around: 5-6
Results Needed: / / am/pm

Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp.	Grab	Preserv.	No. of Containers	VOCs	PNAs	Total PCBs	PA	PCBs	BTEX								Remarks	Lab No.:
PB-7 (6-8)	9/2/10	9:15	Soil				5	X	X	X	X	X										001
PB-10 (9-11)		10:02					5	X	X	X	X											002
PB 11 (4-6)		10:35					4		X				X									003
PB 12 (6-8)		11:10					5	X	X	X	X											004
PB-14 (9-11)		11:33					4	X														005
PB-15 (4-6)		11:53					4	X														006
PB-16 (4-6)		12:25					5	X	X	X	X											007
PB-17 (6-8)		12:50					5	X	X	X	X											008
PB-18 (4-6)		1:38					5	X	X	X	X											009
PB-19 (4-6)		2:20					5	X	X	X	X											010

Relinquished by: (Signature)	Date/Time: 9/2/10	
Received by: (Signature)	Date/Time: 9.2.10 4:35	
Relinquished by: (Signature)	Date/Time: 9.2.10 4:55	
Received by: (Signature)	Date/Time: 9/2/10 1655	
Relinquished by: (Signature)	Date/Time:	
Received by: (Signature)	Date/Time:	

Comments:

Preservation Code: A = None B = HNO_3 C = NaOH D = H_2SO_4 E = HCl F = 5035/EnCore G = Other

Laboratory Work Order No.: 10090070
Received on Ice: Yes [X] No [ ]
Temperature: 3.8 °C

STAT Analysis Corporation

Sample Receipt Checklist

Client Name PIONEER

Date and Time Received: 9/2/2010 4:55:00 PM

Work Order Number 10090070

Received by: CDF

Checklist completed by: Signature Date 9/2/10

Reviewed by: CE Initials 9/3/10 Date

Matrix: Carrier name: STAT Analysis

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 0.0 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☑	Checked by:
Water - Samples properly preserved?	Yes ☑	No ☐	pH Adjusted?

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

Comments:

Client / Person contacted: Date contacted: Contacted by:

Response:

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, Illinois 60162
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708-544-8587
www.suburbanlabs.com

November 05, 2010

Workorder: 1010B96

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612

TEL: (773) 722-9200
FAX: (773) 722-9201
RE: 3434 W. 51ST

Dear Dakota Prentice:

Suburban Laboratories, Inc. received 4 sample(s) on 10/25/10 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Melissa Amador

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Case Narrative

Client: Pioneer Engineering & Environmental Servi
Date: November 05, 2010
Project: 3434 W. 51ST
PO #:
WorkOrder: 1010B96
QC Level:
Temperature of samples upon receipt at SLI: 3 C
Chain of Custody #: 87720

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:

This report supersedes the report dated 11/4/10.

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

Client Sample ID: PB-75 (0-4)
Matrix: SOIL
Lab ID: 1010B96-001
Date Received: 10/25/2010 4:20 PM
Collection Date: 10/25/2010 10:15 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILES, TCLP LEACHED		Method: EPA-1311/8270C-Rev 3, Dec-96				Analyst: dp	
1,4-Dichlorobenzene	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
2,4,5-Trichlorophenol	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
2,4,6-Trichlorophenol	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
2,4-Dinitrotoluene	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
Hexachlorobenzene	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
Hexachlorobutadiene	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
Hexachloroethane	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
m,p-Cresol	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
Nitrobenzene	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
O-Cresol	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
Pentachlorophenol	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
Pyridine	<0.100	0.100		mg/L	1	10/31/2010 5:46 AM	2344
Surr: 2,4,6-Tribromophenol	77.1	10-190		%REC	1	10/31/2010 5:46 AM	2344
Surr: 2-Fluorobiphenyl	73.6	37.7-110		%REC	1	10/31/2010 5:46 AM	2344
Surr: 2-Fluorophenol	70.0	11.1-127		%REC	1	10/31/2010 5:46 AM	2344
Surr: Nitrobenzene-d5	71.8	27.2-110		%REC	1	10/31/2010 5:46 AM	2344
Surr: Phenol-d6	68.4	9.97-133		%REC	1	10/31/2010 5:46 AM	2344
METALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96				Analyst: mn	
Arsenic	<0.020	0.020		mg/L	1	10/29/2010 4:52 AM	2354
Barium	<0.50	0.50		mg/L	1	10/29/2010 4:52 AM	2354
Cadmium	0.0029	0.0010	J	mg/L	1	10/29/2010 4:52 AM	2354
Chromium	<0.0050	0.0050		mg/L	1	10/29/2010 4:52 AM	2354
Lead	0.035	0.0067	J	mg/L	1	10/29/2010 4:52 AM	2354
Selenium	<0.025	0.025		mg/L	1	10/29/2010 4:52 AM	2354
Silver	<0.0020	0.0020		mg/L	1	10/29/2010 4:52 AM	2354
PESTICIDES, TCLP LEACHED		Method: EPA-1311/8081A-Rev 1, Dec-96				Analyst: mn	
Chlordane	<0.005	0.005		mg/L	1	10/30/2010 12:16 AM	2346
Endrin	<0	0		mg/L	1	10/30/2010 12:16 AM	2346
gamma-BHC	<0	0		mg/L	1	10/30/2010 12:16 AM	2346
Heptachlor	<0	0		mg/L	1	10/30/2010 12:16 AM	2346
Heptachlor epoxide	<0	0		mg/L	1	10/30/2010 12:16 AM	2346
Methoxychlor	<0.002	0.002		mg/L	1	10/30/2010 12:16 AM	2346
Toxaphene	<0.010	0.010		mg/L	1	10/30/2010 12:16 AM	2346
Surr: Tetrachloro-m-xylene	88.4	21-128		%REC	1	10/30/2010 12:16 AM	2346
VOLATILES, TCLP LEACHED		Method: EPA-1311/8260B-Rev 2, Dec-96				Analyst: ts	
1,1-Dichloroethene	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
1,2-Dichloroethane	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
2-Butanone	<0.500	0.500		mg/L	100	11/01/2010 2:30 PM	2334

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

VOLATILES, TCLP LEACHED		Method: EPA-1311/8260B-Rev 2, Dec-96				Analyst: ts	
Benzene	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
Carbon tetrachloride	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
Chlorobenzene	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
Chloroform	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
Tetrachloroethene	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
Trichloroethene	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
Vinyl chloride	<0.100	0.100		mg/L	100	11/01/2010 2:30 PM	2334
Surr: 4-Bromofluorobenzene	98.3	70-130		%REC	100	11/01/2010 2:30 PM	2334
Surr: Dibromofluoromethane	106	70-130		%REC	100	11/01/2010 2:30 PM	2334
Surr: Toluene-d8	102	70-130		%REC	100	11/01/2010 2:30 PM	2334
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	47.7	0.566		mg/Kg-dry	1	10/30/2010 2:31 AM	2349
MODIFIED 8015 VOLATILES		Method: EPA-8015B-Rev 2, Dec-96				Analyst: ls	
2-Ethoxyethanol	<58.9	58.9	c	mg/Kg-dry	0.93	11/01/2010 12:45 PM	R6878
Methanol	2.73	1.18	J c	mg/Kg-dry	0.93	11/01/2010 12:45 PM	R6878
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0210	0.0210		mg/Kg-dry	1	10/26/2010 9:20 PM	2317
Aroclor 1221	<0.0210	0.0210		mg/Kg-dry	1	10/26/2010 9:20 PM	2317
Aroclor 1232	<0.0210	0.0210		mg/Kg-dry	1	10/26/2010 9:20 PM	2317
Aroclor 1242	<0.0210	0.0210		mg/Kg-dry	1	10/26/2010 9:20 PM	2317
roclor 1248	<0.0210	0.0210		mg/Kg-dry	1	10/26/2010 9:20 PM	2317
Aroclor 1254	<0.0210	0.0210		mg/Kg-dry	1	10/26/2010 9:20 PM	2317
Aroclor 1260	<0.0210	0.0210		mg/Kg-dry	1	10/26/2010 9:20 PM	2317
Surr: Tetrachloro-m-xylene	56.3	33.7-156		%REC	1	10/26/2010 9:20 PM	2317
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ks	
1,1,1-Trichloroethane	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
1,1,2-Trichloroethane	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
1,2-Dichlorobenzene	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
2-Butanone	<0.0119	0.0119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
4-Methyl-2-pentanone	<0.0298	0.0298		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Acetone	<0.0298	0.0298		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Benzene	0.00284	0.000298		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Carbon disulfide	0.00120	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Carbon tetrachloride	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Chlorobenzene	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Ethylbenzene	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
m,p-Xylene	<0.00238	0.00238		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Methylene chloride	<0.00595	0.00595		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
o-Xylene	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Total Xylenes	0.00334	0.00238		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Tetrachloroethene	0.00478	0.00238		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Toluene	0.00763	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Trichloroethene	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ks	
Trichlorofluoromethane	<0.00119	0.00119		mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Surr: 4-Bromofluorobenzene	91.1	61.55-121		%REC	0.94	11/01/2010 3:30 PM	R6908
Surr: Dibromofluoromethane	114	71.4-147		%REC	0.94	11/01/2010 3:30 PM	R6908
Surr: Toluene-d8	98.9	61-135		%REC	0.94	11/01/2010 3:30 PM	R6908
VOCS, EXTENDED ANALYTE LIST		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ks	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.006	0.006	c	mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
2-Nitropropane	<0.060	0.060	c	mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Cyclohexanone	<0.060	0.060	c	mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Diethyl ether	<0.006	0.006	c	mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Ethyl acetate	<0.006	0.006	c	mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Isobutanol	<0.060	0.060	c	mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
n-Butanol	<0.060	0.060	c	mg/Kg-dry	0.94	11/01/2010 3:30 PM	R6908
Surr: 4-Bromofluorobenzene	91.1	61.55-121		%REC	0.94	11/01/2010 3:30 PM	R6908
Surr: Dibromofluoromethane	114	71.4-147		%REC	0.94	11/01/2010 3:30 PM	R6908
Surr: Toluene-d8	98.9	61-135		%REC	0.94	11/01/2010 3:30 PM	R6908
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: dp	
m,p-Cresol	<0.315	0.315		mg/Kg-dry	1	11/01/2010 1:38 PM	2335
Nitrobenzene	<0.0631	0.0631		mg/Kg-dry	1	11/01/2010 1:38 PM	2335
o-Cresol	<0.315	0.315		mg/Kg-dry	1	11/01/2010 1:38 PM	2335
Pyridine	<0.315	0.315		mg/Kg-dry	1	11/01/2010 1:38 PM	2335
Surr: 2,4,6-Tribromophenol	61.4	0.1-136		%REC	1	11/01/2010 1:38 PM	2335
Surr: 2-Fluorobiphenyl	53.3	16.3-118		%REC	1	11/01/2010 1:38 PM	2335
Surr: 2-Fluorophenol	70.8	4.2-97		%REC	1	11/01/2010 1:38 PM	2335
Surr: 4-Terphenyl-d14	53.6	0.1-147		%REC	1	11/01/2010 1:38 PM	2335
Surr: Nitrobenzene-d5	54.8	0.1-119		%REC	1	11/01/2010 1:38 PM	2335
Surr: Phenol-d5	70.5	9.82-111		%REC	1	11/01/2010 1:38 PM	2335
CYANIDE, REACTIVE		Method:				Analyst: maa	
Reactive Cyanide	Attached	0.013		mg/Kg-dry	1	11/01/2010 12:00 AM	R6987
FLASH POINT, OPEN CUP		Method: ASTM-D92-Rev 2002b				Analyst: ll	
Flash Point	>212	0	c	°F	1	11/04/2010 9:28 AM	R6990
MERCURY BY CVAA, TCLP		Method: EPA-1311/7470A-Rev 1, Sep-94				Analyst: kjl	
Mercury	0.0002	0.0002	J	mg/L	1	10/28/2010 2:34 PM	2348
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: kjl	
ICP Specific Percent Moisture	20.59	0		wt%	1	10/29/2010 12:00 AM	R6816
PAINT FILTER		Method: EPA-9095A-Rev 1, Dec-96				Analyst: ll	
Free Liquids	Pass	0	c	Pass/Fail	1	11/04/2010 9:25 AM	R6989
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95				Analyst: lb	
pH	9.14	0		pH Units	1	10/26/2010 4:59 PM	R6704
PHENOLICS		Method: EPA-9065-Rev 0, Sep-86				Analyst: lb	
Phenolics, Total Recoverable	0.419	0.304	c	mg/kg-dry	48	11/04/2010 3:05 PM	R7022
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	21	1.0		wt%	1	10/26/2010 12:00 AM	R6693
SULFIDE, REACTIVE		Method:				Analyst: maa	

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SULFIDE, REACTIVE			Method:			Analyst: maa
Reactive Sulfide	Attached	1.27	mg/Kg-dry	1	10/28/2010 12:00 AM	R6987
HERBICIDES, TCLP LEACHED, SUBCONTRACTED TO STAT			Method: EPA-1311/8151A-Rev 1, Dec-96			Analyst: maa
Silvex (Z)	Attached	0.26		1	11/01/2010 12:00 AM	R6987
2,4-D	Attached	0.50		1	11/01/2010 12:00 AM	R6987

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Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

Client Sample ID: PB-75 (4-8)
Matrix: SOIL
Lab ID: 1010B96-002
Date Received: 10/25/2010 4:20 PM
Collection Date: 10/25/2010 10:45 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: mn	
Aluminum	10,700	2.36		mg/Kg-dry	1	10/31/2010 3:24 PM	2349
Antimony	3.19	1.42	J	mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Arsenic	5.12	1.08		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Barium	35.6	0.118		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Beryllium	0.351	0.0349		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Cadmium	0.168	0.0708	J	mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Calcium	32,000	0.590		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Chromium	15.6	0.0566		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Cobalt	8.07	0.118		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Copper	28.9	0.142		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Iron	13,600	0.590		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Lead	17.6	0.566		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Magnesium	9,360	0.590		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Manganese	280	0.0566		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Nickel	24.8	0.222		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
otassium	1,990	2.36		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Selenium	<1.23	1.23		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Silver	<0.0566	0.0566		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Sodium	497	1.18		mg/Kg-dry	1	10/31/2010 3:24 PM	2349
Thallium	<0.420	0.420		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Vanadium	20.0	0.142		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
Zinc	48.1	0.0708		mg/Kg-dry	1	10/30/2010 3:22 AM	2349
ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.00207	0.00207		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
4,4-DDE	<0.00207	0.00207		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
4,4-DDT	<0.00207	0.00207		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Aldrin	<0.00103	0.00103		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
alpha-BHC	<0.00103	0.00103		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
alpha-Chlordane	<0.00103	0.00103		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
beta-BHC	<0.00103	0.00103		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Chlordane	<0.0206	0.0206		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
delta-BHC	<0.00103	0.00103		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Dieldrin	<0.00207	0.00207		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Endosulfan I	<0.00103	0.00103		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Endosulfan II	<0.00207	0.00207		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Endosulfan sulfate	<0.00207	0.00207		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Endrin	<0.00207	0.00207		mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Endrin aldehyde	<0.00207	0.00207		mg/Kg-dry	1	10/28/2010 5:02 AM	2318

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Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96			Analyst: mn	
Endrin ketone	<0.00207	0.00207	mg/Kg-dry	1	10/28/2010 5:02 AM	2318
gamma-BHC	<0.00103	0.00103	mg/Kg-dry	1	10/28/2010 5:02 AM	2318
gamma-Chlordane	<0.00103	0.00103	mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Heptachlor	<0.00103	0.00103	mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Heptachlor epoxide	<0.00103	0.00103	mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Methoxychlor	<0.0103	0.0103	mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Toxaphene	<0.0413	0.0413	mg/Kg-dry	1	10/28/2010 5:02 AM	2318
Surr: Tetrachloro-m-xylene	64.8	33.7-156	%REC	1	10/28/2010 5:02 AM	2318
PCBS		Method: EPA-8082-Rev 0, Dec-96			Analyst: mn	
Aroclor 1016	<0.0207	0.0207	mg/Kg-dry	1	10/26/2010 9:38 PM	2317
Aroclor 1221	<0.0207	0.0207	mg/Kg-dry	1	10/26/2010 9:38 PM	2317
Aroclor 1232	<0.0207	0.0207	mg/Kg-dry	1	10/26/2010 9:38 PM	2317
Aroclor 1242	<0.0207	0.0207	mg/Kg-dry	1	10/26/2010 9:38 PM	2317
Aroclor 1248	<0.0207	0.0207	mg/Kg-dry	1	10/26/2010 9:38 PM	2317
Aroclor 1254	<0.0207	0.0207	mg/Kg-dry	1	10/26/2010 9:38 PM	2317
Aroclor 1260	<0.0207	0.0207	mg/Kg-dry	1	10/26/2010 9:38 PM	2317
Surr: Tetrachloro-m-xylene	72.5	33.7-156	%REC	1	10/26/2010 9:38 PM	2317
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ks	
1,1,1-Trichloroethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
1,1,2,2-Tetrachloroethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
1,2-Trichloroethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
1,1-Dichloroethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
1,1-Dichloroethene	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
1,2-Dichloroethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
1,2-Dichloropropane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
2-Butanone	<0.00920	0.00920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
2-Hexanone	<0.0230	0.0230	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
4-Methyl-2-pentanone	<0.0230	0.0230	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Acetone	0.0311	0.0230	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Benzene	<0.000230	0.000230	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Bromodichloromethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Bromoform	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Bromomethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Carbon disulfide	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Carbon tetrachloride	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Chlorobenzene	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Chloroethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Chloroform	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Chloromethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
cis-1,2-Dichloroethene	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
cis-1,3-Dichloropropene	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Dibromochloromethane	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Ethylbenzene	0.00281	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821

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VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ks	
m,p-Xylene	0.00866	0.00184	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Methyl tert-butyl ether	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Methylene chloride	<0.00460	0.00460	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
o-Xylene	0.00251	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Total Xylenes	0.0112	0.00184	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Styrene	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Tetrachloroethene	<0.00184	0.00184	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Toluene	0.0193	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
trans-1,2-Dichloroethene	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
trans-1,3-Dichloropropene	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Trichloroethene	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Vinyl chloride	<0.000920	0.000920	mg/Kg-dry	0.74	10/28/2010 7:41 PM	R6821
Surr: 4-Bromofluorobenzene	95.1	61.55-121	%REC	0.74	10/28/2010 7:41 PM	R6821
Surr: Dibromofluoromethane	105	71.4-147	%REC	0.74	10/28/2010 7:41 PM	R6821
Surr: Toluene-d8	96.4	61-135	%REC	0.74	10/28/2010 7:41 PM	R6821
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: dp	
1,2,4-Trichlorobenzene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
1,2-Dichlorobenzene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
1,3-Dichlorobenzene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
1,4-Dichlorobenzene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
4,5-Trichlorophenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2,4,6-Trichlorophenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2,4-Dichlorophenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2,4-Dimethylphenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2,4-Dinitrophenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2,4-Dinitrotoluene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2,6-Dinitrotoluene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2-Chloronaphthalene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2-Chlorophenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2-Methylnaphthalene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2-Nitroaniline	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
2-Nitrophenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
3,3-Dichlorobenzidine	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
3-Nitroaniline	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
4,6-Dinitro-2-methylphenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
4-Bromophenyl phenyl ether	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
4-Chloro-3-methylphenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
4-Chloroaniline	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
4-Chlorophenyl phenyl ether	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
4-Nitroaniline	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
4-Nitrophenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Acenaphthene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Acenaphthylene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: dp	
Anthracene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Benzo(a)anthracene	0.0716	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Benzo(a)pyrene	0.0635	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Benzo(b)fluoranthene	0.0768	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Benzo(g,h,i)perylene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Benzo(k)fluoranthene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Bis(2-chloroethoxy)methane	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Bis(2-chloroethyl)ether	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Bis(2-chloroisopropyl)ether	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Bis(2-ethylhexyl)phthalate	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Butyl benzyl phthalate	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Carbazole	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Chrysene	0.0885	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Dibenzo(a,h)anthracene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Dibenzofuran	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Diethyl phthalate	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Dimethyl phthalate	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Di-n-butyl phthalate	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Di-n-octyl phthalate	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Fluoranthene	0.100	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
uorene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Hexachlorobenzene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Hexachlorobutadiene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Hexachlorocyclopentadiene	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Hexachloroethane	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Indeno(1,2,3-cd)pyrene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Isophorone	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
m,p-Cresol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Naphthalene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Nitrobenzene	<0.0617	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
N-Nitrosodi-n-propylamine	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
N-Nitrosodiphenylamine	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
o-Cresol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Pentachlorophenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Phenanthrene	0.101	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Phenol	<0.308	0.308	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Pyrene	0.156	0.0617	mg/Kg-dry	1	11/01/2010 12:22 PM	2335
Surr: 2,4,6-Tribromophenol	63.3	0.1-136	%REC	1	11/01/2010 12:22 PM	2335
Surr: 2-Fluorobiphenyl	60.4	16.3-118	%REC	1	11/01/2010 12:22 PM	2335
Surr: 2-Fluorophenol	72.9	4.2-97	%REC	1	11/01/2010 12:22 PM	2335
Surr: 4-Terphenyl-d14	62.5	0.1-147	%REC	1	11/01/2010 12:22 PM	2335
Surr: Nitrobenzene-d5	52.5	0.1-119	%REC	1	11/01/2010 12:22 PM	2335
Surr: Phenol-d5	83.4	9.82-111	%REC	1	11/01/2010 12:22 PM	2335

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

CYANIDE, TOTAL			Method: EPA-9014-Rev 0, Dec-96			Analyst: ts	
Cyanide	<0.12	0.12		mg/Kg-dry	10	11/02/2010 2:50 PM	R7011
MERCURY BY CVAA			Method: EPA-7471A-Rev 1, Sep-94			Analyst: kjl	
Mercury	0.0527	0.0208	J	mg/Kg-dry	1	10/27/2010 1:52 PM	2340
METALS, PERCENT MOISTURE			Method: EPA-200.2-Rev 2.8, 1994			Analyst: kjl	
ICP Specific Percent Moisture	19.34	0		wt%	1	10/29/2010 12:00 AM	R6816
PH (IN LABORATORY) <ATC>			Method: EPA-9045C-Rev 3, Jan-95			Analyst: lb	
pH	9.22	0		pH Units	1	11/05/2010 4:58 PM	R7070
PERCENT MOISTURE			Method: ASTM-D2216-Rev 2005			Analyst: jos	
Percent Moisture	20	1.0		wt%	1	10/26/2010 12:00 AM	R6693

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

Client Sample ID: PB-76 (0-4)
Matrix: SOIL
Lab ID: 1010B96-003
Date Received: 10/25/2010 4:20 PM
Collection Date: 10/25/2010 12:00 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	19.4	0.556		mg/Kg-dry	1	10/29/2010 3:58 PM	2349
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0204	0.0204		mg/Kg-dry	1	10/26/2010 9:57 PM	2317
Aroclor 1221	<0.0204	0.0204		mg/Kg-dry	1	10/26/2010 9:57 PM	2317
Aroclor 1232	<0.0204	0.0204		mg/Kg-dry	1	10/26/2010 9:57 PM	2317
Aroclor 1242	<0.0204	0.0204		mg/Kg-dry	1	10/26/2010 9:57 PM	2317
Aroclor 1248	<0.0204	0.0204		mg/Kg-dry	1	10/26/2010 9:57 PM	2317
Aroclor 1254	<0.0204	0.0204		mg/Kg-dry	1	10/26/2010 9:57 PM	2317
Aroclor 1260	<0.0204	0.0204		mg/Kg-dry	1	10/26/2010 9:57 PM	2317
Surr: Tetrachloro-m-xylene	67.5	33.7-156		%REC	1	10/26/2010 9:57 PM	2317
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	<0.0481	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Acenaphthylene	<0.0481	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Anthracene	0.0501	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Benzo(a)anthracene	0.219	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
enzo(a)pyrene	0.271	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Benzo(b)fluoranthene	0.233	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Benzo(g,h,i)perylene	0.259	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Benzo(k)fluoranthene	0.0726	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Chrysene	0.282	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Dibenzo(a,h)anthracene	<0.0481	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Fluoranthene	0.322	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Fluorene	<0.0481	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Indeno(1,2,3-cd)pyrene	0.118	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Naphthalene	<0.0481	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Phenanthrene	0.222	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Pyrene	0.428	0.0481		mg/Kg-dry	1	10/27/2010 8:21 PM	2325
Surr: 2-Fluorobiphenyl	99.4	59.3-135		%REC	1	10/27/2010 8:21 PM	2325
Surr: 4-Terphenyl-d14	89.0	51.4-151		%REC	1	10/27/2010 8:21 PM	2325
Surr: Nitrobenzene-d5	100	50.6-126		%REC	1	10/27/2010 8:21 PM	2325
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: kjl	
ICP Specific Percent Moisture	15.85	0		wt%	1	10/29/2010 12:00 AM	R6816
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	19	1.0		wt%	1	10/26/2010 12:00 AM	R6693

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51ST
Report Date: November 05, 2010
Lab Order: 1010B96

Client Sample ID: PB-76 (4-8)
Lab ID: 1010B96-004
Date Received: 10/25/2010 4:20 PM
Matrix: SOIL
Collection Date: 10/25/2010 12:30 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: mn	
Aluminum	10,500	2.38		mg/Kg-dry	1	10/31/2010 3:29 PM	2349
Antimony	2.70	1.43	J	mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Arsenic	5.64	1.10		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Barium	41.9	0.119		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Beryllium	0.367	0.0352		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Cadmium	<0.0714	0.0714		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Calcium	61,000	59.5		mg/Kg-dry	100	11/01/2010 11:12 AM	2349
Chromium	15.1	0.0571		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Cobalt	9.20	0.119		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Copper	25.4	0.143		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Iron	12,900	0.595		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Lead	13.0	0.571		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Magnesium	9,960	0.595		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Manganese	499	0.0571		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Nickel	23.7	0.224		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
otassium	1,850	2.38		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Selenium	<1.24	1.24		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Silver	<0.0571	0.0571		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Sodium	655	1.19		mg/Kg-dry	1	10/31/2010 3:29 PM	2349
Thallium	<0.424	0.424		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Vanadium	19.6	0.143		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
Zinc	40.7	0.0714		mg/Kg-dry	1	10/30/2010 3:32 AM	2349
ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.00204	0.00204		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
4,4-DDE	<0.00204	0.00204		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
4,4-DDT	<0.00204	0.00204		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Aldrin	<0.00102	0.00102		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
alpha-BHC	<0.00102	0.00102		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
alpha-Chlordane	<0.00102	0.00102		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
beta-BHC	<0.00102	0.00102		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Chlordane	<0.0203	0.0203		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
delta-BHC	<0.00102	0.00102		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Dieldrin	<0.00204	0.00204		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Endosulfan I	<0.00102	0.00102		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Endosulfan II	<0.00204	0.00204		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Endosulfan sulfate	<0.00204	0.00204		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Endrin	<0.00204	0.00204		mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Endrin aldehyde	<0.00204	0.00204		mg/Kg-dry	1	10/28/2010 5:21 AM	2318

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96			Analyst: mn	
Endrin ketone	<0.00204	0.00204	mg/Kg-dry	1	10/28/2010 5:21 AM	2318
gamma-BHC	<0.00102	0.00102	mg/Kg-dry	1	10/28/2010 5:21 AM	2318
gamma-Chlordane	<0.00102	0.00102	mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Heptachlor	<0.00102	0.00102	mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Heptachlor epoxide	<0.00102	0.00102	mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Methoxychlor	<0.0102	0.0102	mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Toxaphene	<0.0408	0.0408	mg/Kg-dry	1	10/28/2010 5:21 AM	2318
Surr: Tetrachloro-m-xylene	60.0	33.7-156	%REC	1	10/28/2010 5:21 AM	2318
PCBS		Method: EPA-8082-Rev 0, Dec-96			Analyst: mn	
Aroclor 1016	<0.0204	0.0204	mg/Kg-dry	1	10/26/2010 10:16 PM	2317
Aroclor 1221	<0.0204	0.0204	mg/Kg-dry	1	10/26/2010 10:16 PM	2317
Aroclor 1232	<0.0204	0.0204	mg/Kg-dry	1	10/26/2010 10:16 PM	2317
Aroclor 1242	<0.0204	0.0204	mg/Kg-dry	1	10/26/2010 10:16 PM	2317
Aroclor 1248	<0.0204	0.0204	mg/Kg-dry	1	10/26/2010 10:16 PM	2317
Aroclor 1254	<0.0204	0.0204	mg/Kg-dry	1	10/26/2010 10:16 PM	2317
Aroclor 1260	<0.0204	0.0204	mg/Kg-dry	1	10/26/2010 10:16 PM	2317
Surr: Tetrachloro-m-xylene	72.5	33.7-156	%REC	1	10/26/2010 10:16 PM	2317
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ks	
1,1,1-Trichloroethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
1,1,2,2-Tetrachloroethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
1,2-Trichloroethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
1,1-Dichloroethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
1,1-Dichloroethene	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
1,2-Dichloroethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
1,2-Dichloropropane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
2-Butanone	<0.00932	0.00932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
2-Hexanone	<0.0233	0.0233	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
4-Methyl-2-pentanone	<0.0233	0.0233	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Acetone	0.0283	0.0233	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Benzene	<0.000233	0.000233	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Bromodichloromethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Bromoform	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Bromomethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Carbon disulfide	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Carbon tetrachloride	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Chlorobenzene	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Chloroethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Chloroform	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Chloromethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
cis-1,2-Dichloroethene	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
cis-1,3-Dichloropropene	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Dibromochloromethane	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Ethylbenzene	0.00234	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ks	
m,p-Xylene	0.00772	0.00186	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Methyl tert-butyl ether	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Methylene chloride	<0.00466	0.00466	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
o-Xylene	0.00210	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Total Xylenes	0.00981	0.00186	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Styrene	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Tetrachloroethene	<0.00186	0.00186	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Toluene	0.0269	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
trans-1,2-Dichloroethene	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
trans-1,3-Dichloropropene	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Trichloroethene	0.00112	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Vinyl chloride	<0.000932	0.000932	mg/Kg-dry	0.76	10/28/2010 6:59 PM	R6821
Surr: 4-Bromofluorobenzene	89.3	61.55-121	%REC	0.76	10/28/2010 6:59 PM	R6821
Surr: Dibromofluoromethane	107	71.4-147	%REC	0.76	10/28/2010 6:59 PM	R6821
Surr: Toluene-d8	95.5	61-135	%REC	0.76	10/28/2010 6:59 PM	R6821
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: dp	
1,2,4-Trichlorobenzene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
1,2-Dichlorobenzene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
1,3-Dichlorobenzene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
1,4-Dichlorobenzene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
4,5-Trichlorophenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2,4,6-Trichlorophenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2,4-Dichlorophenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2,4-Dimethylphenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2,4-Dinitrophenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2,4-Dinitrotoluene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2,6-Dinitrotoluene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2-Chloronaphthalene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2-Chlorophenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2-Methylnaphthalene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2-Nitroaniline	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
2-Nitrophenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
3,3-Dichlorobenzidine	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
3-Nitroaniline	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
4,6-Dinitro-2-methylphenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
4-Bromophenyl phenyl ether	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
4-Chloro-3-methylphenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
4-Chloroaniline	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
4-Chlorophenyl phenyl ether	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
4-Nitroaniline	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
4-Nitrophenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Acenaphthene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Acenaphthylene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: dp	
Anthracene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Benzo(a)anthracene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Benzo(a)pyrene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Benzo(b)fluoranthene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Benzo(g,h,i)perylene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Benzo(k)fluoranthene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Bis(2-chloroethoxy)methane	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Bis(2-chloroethyl)ether	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Bis(2-chloroisopropyl)ether	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Bis(2-ethylhexyl)phthalate	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Butyl benzyl phthalate	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Carbazole	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Chrysene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Dibenzo(a,h)anthracene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Dibenzofuran	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Diethyl phthalate	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Dimethyl phthalate	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Di-n-butyl phthalate	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Di-n-octyl phthalate	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Fluoranthene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
'uorene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Hexachlorobenzene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Hexachlorobutadiene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Hexachlorocyclopentadiene	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Hexachloroethane	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Indeno(1,2,3-cd)pyrene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Isophorone	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
m,p-Cresol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Naphthalene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Nitrobenzene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
N-Nitrosodi-n-propylamine	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
N-Nitrosodiphenylamine	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
o-Cresol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Pentachlorophenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Phenanthrene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Phenol	<0.306	0.306	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Pyrene	<0.0612	0.0612	mg/Kg-dry	1	10/31/2010 7:01 AM	2335
Surr: 2,4,6-Tribromophenol	61.0	0.1-136	%REC	1	10/31/2010 7:01 AM	2335
Surr: 2-Fluorobiphenyl	63.8	16.3-118	%REC	1	10/31/2010 7:01 AM	2335
Surr: 2-Fluorophenol	72.2	4.2-97	%REC	1	10/31/2010 7:01 AM	2335
Surr: 4-Terphenyl-d14	61.7	0.1-147	%REC	1	10/31/2010 7:01 AM	2335
Surr: Nitrobenzene-d5	56.2	0.1-119	%REC	1	10/31/2010 7:01 AM	2335
Surr: Phenol-d5	69.8	9.82-111	%REC	1	10/31/2010 7:01 AM	2335

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 05, 2010
Project Name: 3434 W. 51ST
Lab Order: 1010B96

CYANIDE, TOTAL			Method: EPA-9014-Rev 0, Dec-96			Analyst: ts	
Cyanide	<0.12	0.12		mg/Kg-dry	10	11/02/2010 2:50 PM	R7011
MERCURY BY CVAA			Method: EPA-7471A-Rev 1, Sep-94			Analyst: kjl	
Mercury	0.0607	0.0239	J	mg/Kg-dry	1	10/27/2010 1:54 PM	2340
METALS, PERCENT MOISTURE			Method: EPA-200.2-Rev 2.8, 1994			Analyst: kjl	
ICP Specific Percent Moisture	17.86	0		wt%	1	10/29/2010 12:00 AM	R6816
PH (IN LABORATORY) <ATC>			Method: EPA-9045C-Rev 3, Jan-95			Analyst: lb	
pH	8.76	0		pH Units	1	11/05/2010 4:58 PM	R7070
PERCENT MOISTURE			Method: ASTM-D2216-Rev 2005			Analyst: jos	
Percent Moisture	18	1.0		wt%	1	10/26/2010 12:00 AM	R6693

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client: Pioneer Engineering & Environmental Services, Inc. **Report Date:** November 05, 2010

Project: 3434 W. 51ST **Lab Order:** 1010B96

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010B96-001A	10/25/10 10:15:00 A	2354	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		10/27/10
		2348	HG_TPR	MERCURY PREP for TCLP / SPLP		10/27/10
		2335	3550_B	SOLID PREP SONICATION: BNA		10/27/10
		2317	3550_PCB	SOLID PREP SONICATION: PCB		10/26/10
		2349	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/27/10
		2346	3510_P_T	TCLP AQ. PREP SEP FUNNEL: Pest		10/27/10
		2344	3510_B_T	TCLP AQ. PREP SEP FUNNEL: BNA		10/27/10
		2334	1311ZHE	TCLP SAMPLE PREP ZHE (VOCS)		10/26/10
		2332	1311LM	TCLP SAMPLE PREP (Metals)		10/26/10
		2333	1311LO	TCLP SAMPLE PREP (Organics)		10/26/10
1010B96-002A	10/25/10 10:45:00 A	2415	5035PR	CLOSED SYSTEM P&T VOC Prep		10/28/10
1010B96-002C		2340	HG_SPR	Mercury Prep for Solids		10/27/10
		2335	3550_B	SOLID PREP SONICATION: BNA		10/27/10
		2317	3550_PCB	SOLID PREP SONICATION: PCB		10/26/10
		2318	3550_P	SOLID PREP SONICATION: Pest		10/26/10
		2349	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/27/10
1010B96-003A	10/25/10 12:00:00 P	2325	3550SIM_B	SOLID PREP SONICATION: BNA		10/26/10
		2317	3550_PCB	SOLID PREP SONICATION: PCB		10/26/10
		2349	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/27/10
1010B96-004A	10/25/10 12:30:00 P	2415	5035PR	CLOSED SYSTEM P&T VOC Prep		10/28/10
1010B96-004C		2340	HG_SPR	Mercury Prep for Solids		10/27/10
		2335	3550_B	SOLID PREP SONICATION: BNA		10/27/10
		2317	3550_PCB	SOLID PREP SONICATION: PCB		10/26/10
		2318	3550_P	SOLID PREP SONICATION: Pest		10/26/10
		2349	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/27/10

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-

November 03, 2010

Suburban Laboratories, Inc.
4140 Litt Drive
Hillside, IL 60162
Telephone: (708) 544-3260
Fax: (708) 544-8587

RE: 1010B96 STAT Project No 10100866

Dear Melissa Amador:

STAT Analysis received 1 sample for the referenced project on 10/27/2010 10:00:00 AM. The analytical results are presented in the following report.

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

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

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

Sincerely,

Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: Suburban Laboratories, Inc.
Project: 1010B96
Lab Order: 10100866

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10100866-001A	1010B96-001A		10/25/2010 10:15:00 AM	10/27/2010

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: November 03, 2010
Print Date: November 03, 2010

Client:	Suburban Laboratories, Inc.	**Client Sample ID:**	1010B96-001A
Lab Order:	10100866	**Tag Number:**	
Project:	1010B96	**Collection Date:**	10/25/2010 10:15:00 AM
Lab ID:	10100866-001A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Herbicides, TCLP Leached	**SW1311/8321A (SW3510C)**			Prep Date: **11/1/2010**		Analyst: **VS**
2,4,5-TP (Silvex)	ND	0.001		mg/L	1	11/3/2010
2,4-D	ND	0.002		mg/L	1	11/3/2010
Cyanide, Reactive	**SW7.3.3.2**			Prep Date: **11/1/2010**		Analyst: **YZ**
Reactive Cyanide	ND	1		mg/Kg	1	11/1/2010
Sulfide, Reactive	**SW7.3.4.2**			Prep Date: **10/28/2010**		Analyst: **YZ**
Reactive Sulfide	ND	10		mg/Kg	1	10/28/2010

Qualifiers:

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

CHAIN OF CUSTODY RECORD

COC ID: PAGE: 1 OF: 1

ADDRESS
Suburban Laboratories, Inc.
3
Hillside, IL 60162
TEL: 708-544-3260
FAX: 708-544-8587
Website: www.SuburbanLabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Please Include Email Address of Report Recipient Whenever Possible!!!

SUB CONTRATOR	STATANALYSIS	COMPANY	STAT Analysis
ADDRESS	2242 W. Harrison- Suite 200		
CITY, STATE, ZIP	Chicago, IL 60612		
PHONE	(312) 733-0551	FAX	(312) 733-2386
ACCOUNT #:		EMAIL:	

SPECIAL INSTRUCTIONS / COMMENTS

Please analyze for Reactive Cyanide, Reactive Sulfide, and TCLP Herbicides. Email report and invoice to Melissa Amador at melissa@suburbanlabs.com

10100866

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description
1	1010B96-001A	PB-75 (0-4)	1LG	Soil	10/25/10 10:15:00 AM	1	
	SW7.3.3.2, SW7.3.4.2, SW8151A						

Relinquished By:		Date: 10/26/10	Time: 1230	Received By:		Date: 10/27/10	Time: 1000
Relinquished By:		Date:	Time:	Received By:		Date:	Time:
Relinquished By:		Date:	Time:	Received By:		Date:	Time:

TAT: Standard RUSH Next BD 2nd BD 3rd BD

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

HARDCOPY (extra cost) FAX EMAIL ONLINE

FOR LAB USE ONLY

Temp of samples 3.1 °C Attempt to Cool ?

Comments

STAT Analysis Corporation

Sample Receipt Checklist

Client Name SUBURBAN

Date and Time Received: 10/27/2010 10:00:00 AM

Work Order Number 10100866

Received by: CDF

Checklist completed by: Signature 10/27/10 Date

Reviewed by: KL Initials 10/28/10 Date

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 3.1 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☒	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☒	pH Adjusted?

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

Comments:

Client / Person contacted: Date contacted: Contacted by:

Response:

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

87720

Page 1 of 1

Company Name: PIONEER
Company Address: 700 N SACRAMENTO
City: CHGO State: IL Zip: 60612
Phone: 773 722 9200 Fax: ☐ Fax Report
Email Address: DPRENTICE@PIONEERESS.COM Final Report will be emailed
Project ID / Location: 3434 W 51ST
Project Manager (Report to): Dalton Prentice
Sample Collector(s) Name: JIM MIZWICK

TURNAROUND TIME REQUESTED
☐ Normal ☒ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed:
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☒ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4

LAB USE ONLY
SLI ORDER No. 1010396
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples 3 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	Illinois Greensheet	TCLP Pest/Herb	Total Lead	Target Comp List	DNAs	PCBs	R	Condition	Split	LAB #
1	PB-75 (0'-4')	10/25/10	10:15pm	SO		1	Quart (G)	None	X	X	X							1A
2	PB-75 (4'-8')	/ /	10:45pm			5	9oz. (G) 40 mL Vial	None MeOH NaB				X						2ABC
3	PB-76 (0'-4')	/ /	12:00pm			1	9oz. (G)	None			X		X	X				3A
4	PB-76 (4'-8')	/ /	12:30p.m.			5	9oz (G) 40 mL Vial	None MeOH NaB				X						4ABC
5		/ /																
6		/ /																
7		/ /																
8		/ /																
9		/ /																
10		/ /																
11		/ /																
12		/ /																

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
PCBs - 2 day TAT
Total Lead - 3 day TAT
DNAs - 3 day
All other tests on standard turn

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
[signature]	10/25/10	[signature]	10-25-10				
Received By [signature] ☐ Ice present	Time 8:55	Received By [signature] ☐ Ice present	Time 4:20	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, Illinois 60162
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708-544-8587
www.suburbanlabs.com

November 10, 2010

Workorder: 1010D78

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612

TEL: (773) 722-9200
FAX: (773) 722-9201
RE: 3434 W. 51st ST.

Dear Dakota Prentice:

Suburban Laboratories, Inc. received 3 sample(s) on 10/28/10 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Melissa Amador

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Case Narrative

Client: Pioneer Engineering & Environmental Servi
Date: November 10, 2010
Project: 3434 W. 51st ST.
PO #:
WorkOrder: 1010D78
QC Level:
Temperature of samples upon receipt at SLI: 1 C
Chain of Custody #: 87724

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

Client Sample ID: MW-1
Matrix: GROUNDWATER
Lab ID: 1010D78-001
Date Received: 10/28/2010 4:45 PM
Collection Date: 10/28/2010 3:20 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: jos	
Aluminum	0.198	0.0174		mg/L	1	11/04/2010 8:47 PM	2411
Arsenic	<0.0200	0.0200		mg/L	1	11/04/2010 8:47 PM	2411
Barium	0.0800	0.00500		mg/L	1	11/04/2010 8:47 PM	2411
Beryllium	<0.00250	0.00250		mg/L	1	11/04/2010 8:47 PM	2411
Cadmium	<0.00100	0.00100		mg/L	1	11/04/2010 8:47 PM	2411
Calcium	107	0.0151		mg/L	1	11/04/2010 8:47 PM	2411
Chromium	0.00551	0.00500		mg/L	1	11/04/2010 8:47 PM	2411
Cobalt	<0.00909	0.00909		mg/L	1	11/04/2010 8:47 PM	2411
Copper	0.0109	0.00299		mg/L	1	11/04/2010 8:47 PM	2411
Iron	0.227	0.0117		mg/L	1	11/04/2010 8:47 PM	2411
Magnesium	32.7	0.0109		mg/L	1	11/04/2010 8:47 PM	2411
Manganese	0.456	0.00882		mg/L	1	11/04/2010 8:47 PM	2411
Nickel	0.0188	0.00400		mg/L	1	11/04/2010 8:47 PM	2411
Potassium	12.4	0.0400		mg/L	1	11/04/2010 8:47 PM	2411
Selenium	<0.0250	0.0250		mg/L	1	11/04/2010 8:47 PM	2411
Silver	<0.00200	0.00200		mg/L	1	11/04/2010 8:47 PM	2411
Sodium	210	0.100		mg/L	1	11/04/2010 8:47 PM	2411
Vanadium	0.00329	0.00259	J	mg/L	1	11/04/2010 8:47 PM	2411
Zinc	0.324	0.0150		mg/L	1	11/04/2010 8:47 PM	2411
METALS BY ICPMS		Method: SW846-SW6020-Rev 0, Sep-94				Analyst: kjl	
Antimony	0.00706	0.00060		mg/L	1	11/03/2010 12:31 PM	2426
Lead	0.00505	0.00010		mg/L	1	11/03/2010 12:31 PM	2426
Thallium	0.00053	0.00010		mg/L	1	11/03/2010 12:31 PM	2426
ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.0000500	0.0000500		mg/L	1	11/04/2010 2:45 PM	2447
4,4-DDE	<0.0000500	0.0000500		mg/L	1	11/04/2010 2:45 PM	2447
4,4-DDT	<0.0000500	0.0000500		mg/L	1	11/04/2010 2:45 PM	2447
Aldrin	<0.0000250	0.0000250		mg/L	1	11/04/2010 2:45 PM	2447
alpha-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 2:45 PM	2447
alpha-Chlordane	<0.0000250	0.0000250		mg/L	1	11/04/2010 2:45 PM	2447
beta-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 2:45 PM	2447
Chlordane	<0.000100	0.000100		mg/L	1	11/04/2010 2:45 PM	2447
delta-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 2:45 PM	2447
Dieldrin	<0.0000500	0.0000500		mg/L	1	11/04/2010 2:45 PM	2447
Endosulfan I	<0.0000250	0.0000250		mg/L	1	11/04/2010 2:45 PM	2447
Endosulfan II	<0.0000500	0.0000500		mg/L	1	11/04/2010 2:45 PM	2447
Endosulfan sulfate	<0.0000500	0.0000500		mg/L	1	11/04/2010 2:45 PM	2447
Endrin	<0.0000500	0.0000500		mg/L	1	11/04/2010 2:45 PM	2447

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96			Analyst: mn	
Endrin aldehyde	<0.0000500	0.0000500	mg/L	1	11/04/2010 2:45 PM	2447
Endrin ketone	<0.0000500	0.0000500	mg/L	1	11/04/2010 2:45 PM	2447
gamma-BHC	<0.0000250	0.0000250	mg/L	1	11/04/2010 2:45 PM	2447
gamma-Chlordane	<0.0000250	0.0000250	mg/L	1	11/04/2010 2:45 PM	2447
Heptachlor	<0.0000250	0.0000250	mg/L	1	11/04/2010 2:45 PM	2447
Heptachlor epoxide	<0.0000250	0.0000250	mg/L	1	11/04/2010 2:45 PM	2447
Methoxychlor	<0.000250	0.000250	mg/L	1	11/04/2010 2:45 PM	2447
Toxaphene	<0.000200	0.000200	mg/L	1	11/04/2010 2:45 PM	2447
Surr: Tetrachloro-m-xylene	48.5	31-143	%REC	1	11/04/2010 2:45 PM	2447
PCBS		Method: EPA-SW8082-Rev 0, Dec-96			Analyst: mn	
Aroclor 1016	<0.000100	0.000100	mg/L	1	11/05/2010 2:26 PM	2446
Aroclor 1221	<0.000100	0.000100	mg/L	1	11/05/2010 2:26 PM	2446
Aroclor 1232	<0.000100	0.000100	mg/L	1	11/05/2010 2:26 PM	2446
Aroclor 1242	<0.000100	0.000100	mg/L	1	11/05/2010 2:26 PM	2446
Aroclor 1248	<0.000100	0.000100	mg/L	1	11/05/2010 2:26 PM	2446
Aroclor 1254	<0.000100	0.000100	mg/L	1	11/05/2010 2:26 PM	2446
Aroclor 1260	<0.000100	0.000100	mg/L	1	11/05/2010 2:26 PM	2446
Surr: Tetrachloro-m-xylene	50.0	40.4-143	%REC	1	11/05/2010 2:26 PM	2446
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
1,1,1-Trichloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
1,2,2-Tetrachloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
1,1,2-Trichloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
1,1-Dichloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
1,1-Dichloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
1,2-Dichloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
1,2-Dichloropropane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
2-Butanone	<0.010	0.010	mg/L	1	11/04/2010 2:00 AM	R7026
2-Hexanone	<0.025	0.025	mg/L	1	11/04/2010 2:00 AM	R7026
4-Methyl-2-pentanone	<0.025	0.025	mg/L	1	11/04/2010 2:00 AM	R7026
Acetone	<0.025	0.025	mg/L	1	11/04/2010 2:00 AM	R7026
Benzene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Bromodichloromethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Bromoform	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Bromomethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Carbon disulfide	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Carbon tetrachloride	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Chlorobenzene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Chloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Chloroform	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Chloromethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
cis-1,2-Dichloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
cis-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Dibromochloromethane	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
Ethylbenzene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
m,p-Xylene	<0.002	0.002	mg/L	1	11/04/2010 2:00 AM	R7026
Methyl tert-butyl ether	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Methylene chloride	<0.005	0.005	mg/L	1	11/04/2010 2:00 AM	R7026
o-Xylene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Total Xylenes	<0.002	0.002	mg/L	1	11/04/2010 2:00 AM	R7026
Styrene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Tetrachloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Toluene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
trans-1,2-Dichloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
trans-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Trichloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Vinyl chloride	<0.001	0.001	mg/L	1	11/04/2010 2:00 AM	R7026
Surr: 4-Bromofluorobenzene	96.5	67.9-119	%REC	1	11/04/2010 2:00 AM	R7026
Surr: Dibromofluoromethane	99.8	62.3-122	%REC	1	11/04/2010 2:00 AM	R7026
Surr: Toluene-d8	100	68.2-119	%REC	1	11/04/2010 2:00 AM	R7026
SEMIVOLATILE ORGANICS (BNAS)		**Method: EPA-8270C-Rev 3, Dec-96**			**Analyst: dp**	
1,2,4-Trichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
1,2-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
1,3-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
4-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2,4,5-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2,4,6-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2,4-Dichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2,4-Dimethylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2,4-Dinitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2,4-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2,6-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2-Chloronaphthalene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2-Chlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2-Methylnaphthalene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
2-Nitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
3,3-Dichlorobenzidine	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
3-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
4,6-Dinitro-2-methylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
4-Bromophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
4-Chloro-3-methylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
4-Chloroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
4-Chlorophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
4-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
4-Nitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Bis(2-chloroethoxy)methane	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: dp	
Bis(2-chloroethyl)ether	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Bis(2-chloroisopropyl)ether	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Bis(2-ethylhexyl)phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Butyl benzyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Carbazole	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Dibenzofuran	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Diethyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Dimethyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Di-n-butyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Di-n-octyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Hexachlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Hexachlorobutadiene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Hexachlorocyclopentadiene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Hexachloroethane	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Isophorone	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
m,p-Cresol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Nitrobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
N-Nitrosodi-n-propylamine	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
N-Nitrosodiphenylamine	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
o-Cresol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
entachlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Phenol	<0.0100	0.0100	mg/L	1	11/04/2010 2:43 PM	2445
Surr: 2,4,6-Tribromophenol	51.1	36.6-133	%REC	1	11/04/2010 2:43 PM	2445
Surr: 2-Fluorobiphenyl	60.4	26.8-113	%REC	1	11/04/2010 2:43 PM	2445
Surr: 2-Fluorophenol	46.5	0.1-110	%REC	1	11/04/2010 2:43 PM	2445
Surr: 4-Terphenyl-d14	62.6	31.3-152	%REC	1	11/04/2010 2:43 PM	2445
Surr: Nitrobenzene-d5	51.3	13.8-115	%REC	1	11/04/2010 2:43 PM	2445
Surr: Phenol-d6	28.7	1.14-110	%REC	1	11/04/2010 2:43 PM	2445
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Acenaphthene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Acenaphthylene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Benzo(a)anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Benzo(a)pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Benzo(b)fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Benzo(g,h,i)perylene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Benzo(k)fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Chrysene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Dibenzo(a,h)anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Fluorene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Indeno(1,2,3-cd)pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Naphthalene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Phenanthrene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 6:08 AM	2465
Surr: 2-Fluorobiphenyl	82.5	26.8-113	%REC	1	11/05/2010 6:08 AM	2465
Surr: 4-Terphenyl-d14	69.8	31.3-152	%REC	1	11/05/2010 6:08 AM	2465
Surr: Nitrobenzene-d5	81.1	13.8-115	%REC	1	11/05/2010 6:08 AM	2465
CYANIDE, TOTAL		Method: APHA-4500CN CE-Rev 18Ed, 1992			Analyst: lb	
Cyanide	<0.01	0.01	mg/L	1	11/06/2010 2:55 PM	R7072
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94			Analyst: kjl	
Mercury	<0.0002	0.0002	mg/L	1	11/03/2010 12:43 PM	2418

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J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
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Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

Client Sample ID: MW-2
Matrix: GROUNDWATER
Lab ID: 1010D78-002
Date Received: 10/28/2010 4:45 PM
Collection Date: 10/28/2010 12:39 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: jos	
Aluminum	0.125	0.0174		mg/L	1	11/04/2010 9:00 PM	2411
Arsenic	<0.0200	0.0200		mg/L	1	11/04/2010 9:00 PM	2411
Barium	0.0815	0.00500		mg/L	1	11/04/2010 9:00 PM	2411
Beryllium	<0.00250	0.00250		mg/L	1	11/04/2010 9:00 PM	2411
Cadmium	<0.00100	0.00100		mg/L	1	11/04/2010 9:00 PM	2411
Calcium	218	0.0151		mg/L	1	11/04/2010 9:00 PM	2411
Chromium	0.00508	0.00500		mg/L	1	11/04/2010 9:00 PM	2411
Cobalt	0.00967	0.00909	J	mg/L	1	11/04/2010 9:00 PM	2411
Copper	0.00313	0.00299	J	mg/L	1	11/04/2010 9:00 PM	2411
Iron	0.133	0.0117		mg/L	1	11/04/2010 9:00 PM	2411
Magnesium	92.2	0.0109		mg/L	1	11/04/2010 9:00 PM	2411
Manganese	0.553	0.00882		mg/L	1	11/04/2010 9:00 PM	2411
Nickel	0.0285	0.00400		mg/L	1	11/04/2010 9:00 PM	2411
Potassium	18.4	0.0400		mg/L	1	11/04/2010 9:00 PM	2411
Selenium	<0.0250	0.0250		mg/L	1	11/04/2010 9:00 PM	2411
ilver	<0.00200	0.00200		mg/L	1	11/04/2010 9:00 PM	2411
Sodium	53.6	0.100		mg/L	1	11/04/2010 9:00 PM	2411
Vanadium	<0.00259	0.00259		mg/L	1	11/04/2010 9:00 PM	2411
Zinc	0.0477	0.0150		mg/L	1	11/04/2010 9:00 PM	2411
METALS BY ICPMS		Method: SW846-SW6020-Rev 0, Sep-94				Analyst: kjl	
Antimony	0.00399	0.00060		mg/L	1	11/03/2010 12:37 PM	2426
Lead	0.00233	0.00010		mg/L	1	11/03/2010 12:37 PM	2426
Thallium	0.00034	0.00010		mg/L	1	11/03/2010 12:37 PM	2426
ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:04 PM	2447
4,4-DDE	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:04 PM	2447
4,4-DDT	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:04 PM	2447
Aldrin	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:04 PM	2447
alpha-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:04 PM	2447
alpha-Chlordane	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:04 PM	2447
beta-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:04 PM	2447
Chlordane	<0.000100	0.000100		mg/L	1	11/04/2010 3:04 PM	2447
delta-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:04 PM	2447
Dieldrin	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:04 PM	2447
Endosulfan I	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:04 PM	2447
Endosulfan II	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:04 PM	2447
Endosulfan sulfate	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:04 PM	2447
Endrin	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:04 PM	2447

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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96			Analyst: mn	
Endrin aldehyde	<0.0000500	0.0000500	mg/L	1	11/04/2010 3:04 PM	2447
Endrin ketone	<0.0000500	0.0000500	mg/L	1	11/04/2010 3:04 PM	2447
gamma-BHC	<0.0000250	0.0000250	mg/L	1	11/04/2010 3:04 PM	2447
gamma-Chlordane	<0.0000250	0.0000250	mg/L	1	11/04/2010 3:04 PM	2447
Heptachlor	<0.0000250	0.0000250	mg/L	1	11/04/2010 3:04 PM	2447
Heptachlor epoxide	<0.0000250	0.0000250	mg/L	1	11/04/2010 3:04 PM	2447
Methoxychlor	<0.000250	0.000250	mg/L	1	11/04/2010 3:04 PM	2447
Toxaphene	<0.000200	0.000200	mg/L	1	11/04/2010 3:04 PM	2447
Surr: Tetrachloro-m-xylene	52.9	31-143	%REC	1	11/04/2010 3:04 PM	2447
PCBS		Method: EPA-SW8082-Rev 0, Dec-96			Analyst: mn	
Aroclor 1016	<0.000100	0.000100	mg/L	1	11/05/2010 2:44 PM	2446
Aroclor 1221	<0.000100	0.000100	mg/L	1	11/05/2010 2:44 PM	2446
Aroclor 1232	<0.000100	0.000100	mg/L	1	11/05/2010 2:44 PM	2446
Aroclor 1242	<0.000100	0.000100	mg/L	1	11/05/2010 2:44 PM	2446
Aroclor 1248	<0.000100	0.000100	mg/L	1	11/05/2010 2:44 PM	2446
Aroclor 1254	<0.000100	0.000100	mg/L	1	11/05/2010 2:44 PM	2446
Aroclor 1260	<0.000100	0.000100	mg/L	1	11/05/2010 2:44 PM	2446
Surr: Tetrachloro-m-xylene	50.0	40.4-143	%REC	1	11/05/2010 2:44 PM	2446
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
1,1,1-Trichloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
1,2,2-Tetrachloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
1,1,2-Trichloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
1,1-Dichloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
1,1-Dichloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
1,2-Dichloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
1,2-Dichloropropane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
2-Butanone	<0.010	0.010	mg/L	1	11/04/2010 2:39 AM	R7026
2-Hexanone	<0.025	0.025	mg/L	1	11/04/2010 2:39 AM	R7026
4-Methyl-2-pentanone	<0.025	0.025	mg/L	1	11/04/2010 2:39 AM	R7026
Acetone	<0.025	0.025	mg/L	1	11/04/2010 2:39 AM	R7026
Benzene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Bromodichloromethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Bromoform	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Bromomethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Carbon disulfide	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Carbon tetrachloride	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Chlorobenzene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Chloroethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Chloroform	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Chloromethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
cis-1,2-Dichloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
cis-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Dibromochloromethane	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026

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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

VOLATILE ORGANIC COMPOUNDS			Method: EPA-SW8260B-Rev 2, Dec-96		Analyst: ks	
Ethylbenzene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
m,p-Xylene	<0.002	0.002	mg/L	1	11/04/2010 2:39 AM	R7026
Methyl tert-butyl ether	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Methylene chloride	<0.005	0.005	mg/L	1	11/04/2010 2:39 AM	R7026
o-Xylene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Total Xylenes	<0.002	0.002	mg/L	1	11/04/2010 2:39 AM	R7026
Styrene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Tetrachloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Toluene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
trans-1,2-Dichloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
trans-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Trichloroethene	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Vinyl chloride	<0.001	0.001	mg/L	1	11/04/2010 2:39 AM	R7026
Surr: 4-Bromofluorobenzene	96.9	67.9-119	%REC	1	11/04/2010 2:39 AM	R7026
Surr: Dibromofluoromethane	100	62.3-122	%REC	1	11/04/2010 2:39 AM	R7026
Surr: Toluene-d8	98.5	68.2-119	%REC	1	11/04/2010 2:39 AM	R7026
SEMIVOLATILE ORGANICS (BNAS)			Method: EPA-8270C-Rev 3, Dec-96		Analyst: dp	
1,2,4-Trichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
1,2-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
1,3-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
,4-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2,4,5-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2,4,6-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2,4-Dichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2,4-Dimethylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2,4-Dinitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2,4-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2,6-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2-Chloronaphthalene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2-Chlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2-Methylnaphthalene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
2-Nitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
3,3-Dichlorobenzidine	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
3-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
4,6-Dinitro-2-methylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
4-Bromophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
4-Chloro-3-methylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
4-Chloroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
4-Chlorophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
4-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
4-Nitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Bis(2-chloroethoxy)methane	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445

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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
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SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: dp	
Bis(2-chloroethyl)ether	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Bis(2-chloroisopropyl)ether	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Bis(2-ethylhexyl)phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Butyl benzyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Carbazole	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Dibenzofuran	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Diethyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Dimethyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Di-n-butyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Di-n-octyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Hexachlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Hexachlorobutadiene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Hexachlorocyclopentadiene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Hexachloroethane	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Isophorone	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
m,p-Cresol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Nitrobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
N-Nitrosodi-n-propylamine	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
N-Nitrosodiphenylamine	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
o-Cresol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
entachlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Phenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:20 PM	2445
Surr: 2,4,6-Tribromophenol	55.9	36.6-133	%REC	1	11/04/2010 3:20 PM	2445
Surr: 2-Fluorobiphenyl	55.2	26.8-113	%REC	1	11/04/2010 3:20 PM	2445
Surr: 2-Fluorophenol	45.7	0.1-110	%REC	1	11/04/2010 3:20 PM	2445
Surr: 4-Terphenyl-d14	37.0	31.3-152	%REC	1	11/04/2010 3:20 PM	2445
Surr: Nitrobenzene-d5	51.9	13.8-115	%REC	1	11/04/2010 3:20 PM	2445
Surr: Phenol-d6	28.5	1.14-110	%REC	1	11/04/2010 3:20 PM	2445
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Acenaphthene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Acenaphthylene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Benzo(a)anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Benzo(a)pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Benzo(b)fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Benzo(g,h,i)perylene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Benzo(k)fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Chrysene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Dibenzo(a,h)anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Fluorene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Indeno(1,2,3-cd)pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Naphthalene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Phenanthrene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 6:45 AM	2465
Surr: 2-Fluorobiphenyl	82.4	26.8-113	%REC	1	11/05/2010 6:45 AM	2465
Surr: 4-Terphenyl-d14	66.8	31.3-152	%REC	1	11/05/2010 6:45 AM	2465
Surr: Nitrobenzene-d5	80.0	13.8-115	%REC	1	11/05/2010 6:45 AM	2465
CYANIDE, TOTAL		Method: APHA-4500CN CE-Rev 18Ed, 1992			Analyst: lb	
Cyanide	<0.01	0.01	mg/L	1	11/06/2010 2:55 PM	R7072
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94			Analyst: kjl	
Mercury	<0.0002	0.0002	mg/L	1	11/03/2010 12:46 PM	2418

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J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

Client Sample ID: MW-3
Matrix: GROUNDWATER
Lab ID: 1010D78-003
Date Received: 10/28/2010 4:45 PM
Collection Date: 10/28/2010 1:44 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: jos	
Aluminum	0.0389	0.0174	J	mg/L	1	11/04/2010 9:10 PM	2411
Arsenic	<0.0200	0.0200		mg/L	1	11/04/2010 9:10 PM	2411
Barium	0.112	0.00500		mg/L	1	11/04/2010 9:10 PM	2411
Beryllium	<0.00250	0.00250		mg/L	1	11/04/2010 9:10 PM	2411
Cadmium	<0.00100	0.00100		mg/L	1	11/04/2010 9:10 PM	2411
Calcium	298	0.0151		mg/L	1	11/04/2010 9:10 PM	2411
Chromium	<0.00500	0.00500		mg/L	1	11/04/2010 9:10 PM	2411
Cobalt	0.0146	0.00909	J	mg/L	1	11/04/2010 9:10 PM	2411
Copper	0.00550	0.00299		mg/L	1	11/04/2010 9:10 PM	2411
Iron	0.0230	0.0117	J	mg/L	1	11/04/2010 9:10 PM	2411
Magnesium	124	0.0109		mg/L	1	11/04/2010 9:10 PM	2411
Manganese	0.767	0.00882		mg/L	1	11/04/2010 9:10 PM	2411
Nickel	0.0500	0.00400		mg/L	1	11/04/2010 9:10 PM	2411
Potassium	18.1	0.0400		mg/L	1	11/04/2010 9:10 PM	2411
Selenium	<0.0250	0.0250		mg/L	1	11/04/2010 9:10 PM	2411
ilver	<0.00200	0.00200		mg/L	1	11/04/2010 9:10 PM	2411
Sodium	251	0.100		mg/L	1	11/04/2010 9:10 PM	2411
Vanadium	<0.00259	0.00259		mg/L	1	11/04/2010 9:10 PM	2411
Zinc	0.0440	0.0150		mg/L	1	11/04/2010 9:10 PM	2411
METALS BY ICPMS		Method: SW846-SW6020-Rev 0, Sep-94				Analyst: kjl	
Antimony	0.00625	0.00060		mg/L	1	11/03/2010 12:55 PM	2426
Lead	0.00080	0.00010		mg/L	1	11/03/2010 12:55 PM	2426
Thallium	0.00072	0.00010		mg/L	1	11/03/2010 12:55 PM	2426
ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:22 PM	2447
4,4-DDE	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:22 PM	2447
4,4-DDT	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:22 PM	2447
Aldrin	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:22 PM	2447
alpha-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:22 PM	2447
alpha-Chlordane	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:22 PM	2447
beta-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:22 PM	2447
Chlordane	<0.000100	0.000100		mg/L	1	11/04/2010 3:22 PM	2447
delta-BHC	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:22 PM	2447
Dieldrin	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:22 PM	2447
Endosulfan I	<0.0000250	0.0000250		mg/L	1	11/04/2010 3:22 PM	2447
Endosulfan II	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:22 PM	2447
Endosulfan sulfate	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:22 PM	2447
Endrin	<0.0000500	0.0000500		mg/L	1	11/04/2010 3:22 PM	2447

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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96			Analyst: mn	
Endrin aldehyde	<0.0000500	0.0000500	mg/L	1	11/04/2010 3:22 PM	2447
Endrin ketone	<0.0000500	0.0000500	mg/L	1	11/04/2010 3:22 PM	2447
gamma-BHC	<0.0000250	0.0000250	mg/L	1	11/04/2010 3:22 PM	2447
gamma-Chlordane	<0.0000250	0.0000250	mg/L	1	11/04/2010 3:22 PM	2447
Heptachlor	<0.0000250	0.0000250	mg/L	1	11/04/2010 3:22 PM	2447
Heptachlor epoxide	<0.0000250	0.0000250	mg/L	1	11/04/2010 3:22 PM	2447
Methoxychlor	<0.000250	0.000250	mg/L	1	11/04/2010 3:22 PM	2447
Toxaphene	<0.000200	0.000200	mg/L	1	11/04/2010 3:22 PM	2447
Surr: Tetrachloro-m-xylene	55.0	31-143	%REC	1	11/04/2010 3:22 PM	2447
PCBS		Method: EPA-SW8082-Rev 0, Dec-96			Analyst: mn	
Aroclor 1016	<0.000100	0.000100	mg/L	1	11/05/2010 3:03 PM	2446
Aroclor 1221	<0.000100	0.000100	mg/L	1	11/05/2010 3:03 PM	2446
Aroclor 1232	<0.000100	0.000100	mg/L	1	11/05/2010 3:03 PM	2446
Aroclor 1242	<0.000100	0.000100	mg/L	1	11/05/2010 3:03 PM	2446
Aroclor 1248	<0.000100	0.000100	mg/L	1	11/05/2010 3:03 PM	2446
Aroclor 1254	<0.000100	0.000100	mg/L	1	11/05/2010 3:03 PM	2446
Aroclor 1260	<0.000100	0.000100	mg/L	1	11/05/2010 3:03 PM	2446
Surr: Tetrachloro-m-xylene	55.0	40.4-143	%REC	1	11/05/2010 3:03 PM	2446
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
1,1,1-Trichloroethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
1,1,2,2-Tetrachloroethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
1,1,2-Trichloroethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
1,1-Dichloroethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
1,1-Dichloroethene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
1,2-Dichloroethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
1,2-Dichloropropane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
2-Butanone	<0.010	0.010	mg/L	1	11/04/2010 3:17 AM	R7026
2-Hexanone	<0.025	0.025	mg/L	1	11/04/2010 3:17 AM	R7026
4-Methyl-2-pentanone	<0.025	0.025	mg/L	1	11/04/2010 3:17 AM	R7026
Acetone	<0.025	0.025	mg/L	1	11/04/2010 3:17 AM	R7026
Benzene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Bromodichloromethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Bromoform	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Bromomethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Carbon disulfide	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Carbon tetrachloride	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Chlorobenzene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Chloroethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Chloroform	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Chloromethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
cis-1,2-Dichloroethene	0.007	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
cis-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Dibromochloromethane	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
Ethylbenzene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
m,p-Xylene	<0.002	0.002	mg/L	1	11/04/2010 3:17 AM	R7026
Methyl tert-butyl ether	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Methylene chloride	<0.005	0.005	mg/L	1	11/04/2010 3:17 AM	R7026
o-Xylene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Total Xylenes	<0.002	0.002	mg/L	1	11/04/2010 3:17 AM	R7026
Styrene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Tetrachloroethene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Toluene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
trans-1,2-Dichloroethene	0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
trans-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Trichloroethene	<0.001	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Vinyl chloride	0.008	0.001	mg/L	1	11/04/2010 3:17 AM	R7026
Surr: 4-Bromofluorobenzene	96.1	67.9-119	%REC	1	11/04/2010 3:17 AM	R7026
Surr: Dibromofluoromethane	102	62.3-122	%REC	1	11/04/2010 3:17 AM	R7026
Surr: Toluene-d8	98.2	68.2-119	%REC	1	11/04/2010 3:17 AM	R7026
SEMIVOLATILE ORGANICS (BNAS)		**Method: EPA-8270C-Rev 3, Dec-96**			**Analyst: dp**	
1,2,4-Trichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
1,2-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
1,3-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
4-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2,4,5-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2,4,6-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2,4-Dichlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2,4-Dimethylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2,4-Dinitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2,4-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2,6-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2-Chloronaphthalene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2-Chlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2-Methylnaphthalene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
2-Nitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
3,3-Dichlorobenzidine	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
3-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
4,6-Dinitro-2-methylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
4-Bromophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
4-Chloro-3-methylphenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
4-Chloroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
4-Chlorophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
4-Nitroaniline	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
4-Nitrophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Bis(2-chloroethoxy)methane	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445

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SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: dp	
Bis(2-chloroethyl)ether	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Bis(2-chloroisopropyl)ether	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Bis(2-ethylhexyl)phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Butyl benzyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Carbazole	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Dibenzofuran	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Diethyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Dimethyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Di-n-butyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Di-n-octyl phthalate	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Hexachlorobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Hexachlorobutadiene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Hexachlorocyclopentadiene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Hexachloroethane	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Isophorone	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
m,p-Cresol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Nitrobenzene	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
N-Nitrosodi-n-propylamine	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
N-Nitrosodiphenylamine	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
o-Cresol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
'entachlorophenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Phenol	<0.0100	0.0100	mg/L	1	11/04/2010 3:57 PM	2445
Surr: 2,4,6-Tribromophenol	59.4	36.6-133	%REC	1	11/04/2010 3:57 PM	2445
Surr: 2-Fluorobiphenyl	66.3	26.8-113	%REC	1	11/04/2010 3:57 PM	2445
Surr: 2-Fluorophenol	52.9	0.1-110	%REC	1	11/04/2010 3:57 PM	2445
Surr: 4-Terphenyl-d14	47.4	31.3-152	%REC	1	11/04/2010 3:57 PM	2445
Surr: Nitrobenzene-d5	59.9	13.8-115	%REC	1	11/04/2010 3:57 PM	2445
Surr: Phenol-d6	32.4	1.14-110	%REC	1	11/04/2010 3:57 PM	2445
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Acenaphthene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Acenaphthylene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Benzo(a)anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Benzo(a)pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Benzo(b)fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Benzo(g,h,i)perylene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Benzo(k)fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Chrysene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Dibenzo(a,h)anthracene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Fluoranthene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Fluorene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Indeno(1,2,3-cd)pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Naphthalene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 10, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010D78

SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Phenanthrene	0.000160	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Pyrene	<0.000100	0.000100	mg/L	1	11/05/2010 7:22 AM	2465
Surr: 2-Fluorobiphenyl	90.0	26.8-113	%REC	1	11/05/2010 7:22 AM	2465
Surr: 4-Terphenyl-d14	72.1	31.3-152	%REC	1	11/05/2010 7:22 AM	2465
Surr: Nitrobenzene-d5	89.7	13.8-115	%REC	1	11/05/2010 7:22 AM	2465
CYANIDE, TOTAL		Method: APHA-4500CN CE-Rev 18Ed, 1992			Analyst: lb	
Cyanide	<0.01	0.01	mg/L	1	11/06/2010 2:55 PM	R7072
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94			Analyst: kjl	
Mercury	<0.0002	0.0002	mg/L	1	11/03/2010 12:48 PM	2418

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

PREP DATES REPOR

Client: Pioneer Engineering & Environmental Services, Inc. **Report Date:** November 10, 2010
Project: 3434 W. 51st ST. **Lab Order:** 1010D78

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010D78-001B	10/28/10 3:20:00 PM	2445	3510_B	AQUEOUS PREP SEP FUNNEL: BNA		11/03/10
		2465	3510SIM_B	AQUEOUS PREP SEP FUNNEL: BNA		11/04/10
		2446	3510_PCB	AQUEOUS PREP SEP FUNNEL: PCB		11/03/10
		2447	3510_P	AQUEOUS PREP SEP FUNNEL: Pest		11/03/10
1010D78-001C		2426	200.2_ICPMS_W	AQUEOUS PREP TOTAL METALS: ICP		11/02/10
		2411	200.2_ICPW_PR	AQUEOUS PREP TOTAL METALS: ICP		11/01/10
		2418	HG_WPR	MERCURY PREP for AQUEOUS		11/02/10
1010D78-002B	10/28/10 12:39:00 P	2445	3510_B	AQUEOUS PREP SEP FUNNEL: BNA		11/03/10
		2465	3510SIM_B	AQUEOUS PREP SEP FUNNEL: BNA		11/04/10
		2446	3510_PCB	AQUEOUS PREP SEP FUNNEL: PCB		11/03/10
		2447	3510_P	AQUEOUS PREP SEP FUNNEL: Pest		11/03/10
1010D78-002C		2426	200.2_ICPMS_W	AQUEOUS PREP TOTAL METALS: ICP		11/02/10
		2411	200.2_ICPW_PR	AQUEOUS PREP TOTAL METALS: ICP		11/01/10
		2418	HG_WPR	MERCURY PREP for AQUEOUS		11/02/10
1010D78-003B	10/28/10 1:44:00 PM	2465	3510SIM_B	AQUEOUS PREP SEP FUNNEL: BNA		11/04/10
		2445	3510_B	AQUEOUS PREP SEP FUNNEL: BNA		11/03/10
		2446	3510_PCB	AQUEOUS PREP SEP FUNNEL: PCB		11/03/10
		2447	3510_P	AQUEOUS PREP SEP FUNNEL: Pest		11/03/10
1010D78-003C		2426	200.2_ICPMS_W	AQUEOUS PREP TOTAL METALS: ICP		11/02/10
		2411	200.2_ICPW_PR	AQUEOUS PREP TOTAL METALS: ICP		11/01/10
		2418	HG_WPR	MERCURY PREP for AQUEOUS		11/02/10

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

87724

Company Name: PIONEER
Company Address: 100 N SACRAMENTO
City: CHICO State: IL Zip: 60612
Phone: 773 722 9200 Fax: ☐ Fax Report
Email Address: DPRENTICE@PIONEEREES.COM Final Report will be emailed
Project ID / Location: 3434 W 51ST
Project Manager (Report to): DAKOTA PRENTICE
Sample Collector(s) Name: JIM MIZWICKI

TURNAROUND TIME REQUESTED

☒ Normal ☐ RUSH* *Additional Rush Charges Approved.

*Date & Time Needed: _____

Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only

☐ LUST ☐ SRP ☐ SDWA

☐ 503 Sludge ☐ NPDES ☐ MWRDGC

☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED

Enter an "X" in box below for request

TARGET COMPOUND LIST

Page 1 of 1
PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4

LAB USE ONLY

SLI ORDER No: 10102578
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples: / °C
Samples received the same day as collection? ☐ Yes

SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	R	Condition	Split	LAB #
1 MW 1	10/28/10	320	GW		8	40mL HCL					-001A,B,C,D
2 MW 2	"	1239	"		1	16oz HNO3					-002A,B,C,
3 MW 3	"	144	"		"	16oz NaOH					-003A,B,C,D
4	/ /										
5	/ /										
6	/ /										
7	/ /										
8	/ /										
9	/ /										
10	/ /										
11	/ /										
12	/ /										

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate ($NaHSO_4$), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10/28/10		10/29/10				
Received By ☐ Ice present	Time 4:05	Received By ☐ Ice present	Time 4:45	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original Pink-Sampler Copy

Rpt Ver ID: 11/10/10 5:08:40 PM melissa

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, Illinois 60162
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708-544-8587
www.suburbanlabs.com

October 20, 2010

Workorder: 1010831

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612

TEL: (773) 722-9200
FAX: (773) 722-9201
RE: 3434 W. 51st Street, Chicago

Dear Dakota Prentice:

Suburban Laboratories, Inc. received 24 sample(s) on 10/12/10 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Melissa Amador

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Case Narrative

Client: Pioneer Engineering & Environmental Servi
Date: October 20, 2010
Project: 3434 W. 51st Street, Chicago
PO #:
WorkOrder: 1010531
QC Level:
Temperature of samples upon receipt at SLI: 5 C
Chain of Custody #: 87743, 87745

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which so meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:
PCBs:
Sample 1010531-019A: S= Surrogate recovery outside laboratory control limits due to sample matrix.

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-34 (0-4)
Matrix: SOIL
Lab ID: 1010531-001 **Date Received:** 10/12/2010 4:52 PM **Collection Date:** 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	182	0.571		mg/Kg-dry	1	10/14/2010 2:29 PM	2166
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0209		mg/Kg-dry	1	10/13/2010 7:18 PM	2150
Aroclor 1221	ND	0.0209		mg/Kg-dry	1	10/13/2010 7:18 PM	2150
Aroclor 1232	ND	0.0209		mg/Kg-dry	1	10/13/2010 7:18 PM	2150
Aroclor 1242	ND	0.0209		mg/Kg-dry	1	10/13/2010 7:18 PM	2150
Aroclor 1248	ND	0.0209		mg/Kg-dry	1	10/13/2010 7:18 PM	2150
Aroclor 1254	ND	0.0209		mg/Kg-dry	1	10/13/2010 7:18 PM	2150
Aroclor 1260	ND	0.0209		mg/Kg-dry	1	10/13/2010 7:18 PM	2150
Surr: Tetrachloro-m-xylene	58.8	33.7-156		%REC	1	10/13/2010 7:18 PM	2150
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	17.16	0		wt%	1	10/12/2010 5:55 PM	R6361
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: sb	
Percent Moisture	20	1.0		wt%	1	10/12/2010 11:00 PM	R6289

Client Sample ID: PB-34 (4-8)
Matrix: SOIL
Lab ID: 1010531-002 **Date Received:** 10/12/2010 4:52 PM **Collection Date:** 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:34 AM	2205
Aroclor 1221	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:34 AM	2205
Aroclor 1232	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:34 AM	2205
Aroclor 1242	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:34 AM	2205
Aroclor 1248	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:34 AM	2205
Aroclor 1254	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:34 AM	2205
Aroclor 1260	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:34 AM	2205
Surr: Tetrachloro-m-xylene	95.0	33.7-156		%REC	1	10/19/2010 12:34 AM	2205
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	16	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-35 (0-4)
Matrix: SOIL
Lab ID: 1010531-004
Date Received: 10/12/2010 4:52 PM
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	141	0.583		mg/Kg-dry	1	10/14/2010 2:34 PM	2166
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0212		mg/Kg-dry	1	10/13/2010 7:37 PM	2150
Aroclor 1221	ND	0.0212		mg/Kg-dry	1	10/13/2010 7:37 PM	2150
Aroclor 1232	ND	0.0212		mg/Kg-dry	1	10/13/2010 7:37 PM	2150
Aroclor 1242	ND	0.0212		mg/Kg-dry	1	10/13/2010 7:37 PM	2150
Aroclor 1248	ND	0.0212		mg/Kg-dry	1	10/13/2010 7:37 PM	2150
Aroclor 1254	ND	0.0212		mg/Kg-dry	1	10/13/2010 7:37 PM	2150
Aroclor 1260	0.0217	0.0212		mg/Kg-dry	1	10/13/2010 7:37 PM	2150
Surr: Tetrachloro-m-xylene	60.0	33.7-156		%REC	1	10/13/2010 7:37 PM	2150
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	39.7	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Acenaphthylene	30.0	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Anthracene	134	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Benzo(a)anthracene	116	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
enzo(a)pyrene	81.7	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Benzo(b)fluoranthene	96.1	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Benzo(g,h,i)perylene	38.9	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Benzo(k)fluoranthene	35.8	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Chrysene	107	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Dibenzo(a,h)anthracene	9.10	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Fluoranthene	322	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Fluorene	101	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Indeno(1,2,3-cd)pyrene	36.6	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Naphthalene	61.1	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Phenanthrene	462	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Pyrene	243	5.05		mg/Kg-dry	100	10/13/2010 8:50 PM	2160
Surr: 2-Fluorobiphenyl	117	59.3-135		%REC	100	10/13/2010 8:50 PM	2160
Surr: 4-Terphenyl-d14	118	51.4-151		%REC	100	10/13/2010 8:50 PM	2160
Surr: Nitrobenzene-d5	102	50.6-126		%REC	100	10/13/2010 8:50 PM	2160
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	18.42	0		wt%	1	10/12/2010 5:55 PM	R6361
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: sb	
Percent Moisture	21	1.0		wt%	1	10/12/2010 11:00 PM	R6289
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS		Method: EPA-418.1-Rev 1978				Analyst: vc	
TRPH	115	41.0	c	mg/Kg-dry	1	10/15/2010 6:14 PM	2195

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-35(4-8)
Matrix: SOIL
Lab ID: 1010531-005 **Date Received:** 10/12/2010 4:52 PM **Collection Date:** 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0215		mg/Kg-dry	1	10/20/2010 12:38 PM	2230
Aroclor 1221	ND	0.0215		mg/Kg-dry	1	10/20/2010 12:38 PM	2230
Aroclor 1232	ND	0.0215		mg/Kg-dry	1	10/20/2010 12:38 PM	2230
Aroclor 1242	ND	0.0215		mg/Kg-dry	1	10/20/2010 12:38 PM	2230
Aroclor 1248	ND	0.0215		mg/Kg-dry	1	10/20/2010 12:38 PM	2230
Aroclor 1254	ND	0.0215		mg/Kg-dry	1	10/20/2010 12:38 PM	2230
Aroclor 1260	ND	0.0215		mg/Kg-dry	1	10/20/2010 12:38 PM	2230
Surr: Tetrachloro-m-xylene	71.3	33.7-156		%REC	1	10/20/2010 12:38 PM	2230
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	22	1.0		wt%	1	10/19/2010 12:00 AM	R6461

Client Sample ID: PB-36 (0-4)
Matrix: SOIL
Lab ID: 1010531-007 **Date Received:** 10/12/2010 4:52 PM **Collection Date:** 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	31.2	0.566		mg/Kg-dry	1	10/14/2010 2:54 PM	2166
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0192		mg/Kg-dry	1	10/13/2010 7:55 PM	2150
Aroclor 1221	ND	0.0192		mg/Kg-dry	1	10/13/2010 7:55 PM	2150
Aroclor 1232	ND	0.0192		mg/Kg-dry	1	10/13/2010 7:55 PM	2150
Aroclor 1242	ND	0.0192		mg/Kg-dry	1	10/13/2010 7:55 PM	2150
Aroclor 1248	ND	0.0192		mg/Kg-dry	1	10/13/2010 7:55 PM	2150
Aroclor 1254	ND	0.0192		mg/Kg-dry	1	10/13/2010 7:55 PM	2150
Aroclor 1260	ND	0.0192		mg/Kg-dry	1	10/13/2010 7:55 PM	2150
Surr: Tetrachloro-m-xylene	68.8	33.7-156		%REC	1	10/13/2010 7:55 PM	2150
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	13.09	0		wt%	1	10/12/2010 5:55 PM	R6361
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: sb	
Percent Moisture	13	1.0		wt%	1	10/12/2010 11:00 PM	R6289

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-36 (4-8)
Matrix: SOIL
Lab ID: 1010531-008
Date Received: 10/12/2010 4:52 PM
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:52 AM	2205
Aroclor 1221	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:52 AM	2205
Aroclor 1232	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:52 AM	2205
Aroclor 1242	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:52 AM	2205
Aroclor 1248	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:52 AM	2205
Aroclor 1254	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:52 AM	2205
Aroclor 1260	ND	0.0199		mg/Kg-dry	1	10/19/2010 12:52 AM	2205
Surr: Tetrachloro-m-xylene	63.8	33.7-156		%REC	1	10/19/2010 12:52 AM	2205
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	16	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Client Sample ID: PB-37 (0-4)
Matrix: SOIL
Lab ID: 1010531-010
Date Received: 10/12/2010 4:52 PM
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	27.6	0.594		mg/Kg-dry	1	10/14/2010 3:00 PM	2166
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0203		mg/Kg-dry	1	10/13/2010 8:14 PM	2150
Aroclor 1221	ND	0.0203		mg/Kg-dry	1	10/13/2010 8:14 PM	2150
Aroclor 1232	ND	0.0203		mg/Kg-dry	1	10/13/2010 8:14 PM	2150
Aroclor 1242	ND	0.0203		mg/Kg-dry	1	10/13/2010 8:14 PM	2150
Aroclor 1248	ND	0.0203		mg/Kg-dry	1	10/13/2010 8:14 PM	2150
Aroclor 1254	ND	0.0203		mg/Kg-dry	1	10/13/2010 8:14 PM	2150
Aroclor 1260	ND	0.0203		mg/Kg-dry	1	10/13/2010 8:14 PM	2150
Surr: Tetrachloro-m-xylene	58.8	33.7-156		%REC	1	10/13/2010 8:14 PM	2150
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	19.35	0		wt%	1	10/12/2010 5:55 PM	R6361
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: sb	
Percent Moisture	18	1.0		wt%	1	10/12/2010 11:00 PM	R6289

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
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Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-37 (4-8)
Matrix: SOIL
Lab ID: 1010531-011
Date Received: 10/12/2010 4:52 PM
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0210		mg/Kg-dry	1	10/19/2010 1:11 AM	2205
Aroclor 1221	ND	0.0210		mg/Kg-dry	1	10/19/2010 1:11 AM	2205
Aroclor 1232	ND	0.0210		mg/Kg-dry	1	10/19/2010 1:11 AM	2205
Aroclor 1242	ND	0.0210		mg/Kg-dry	1	10/19/2010 1:11 AM	2205
Aroclor 1248	ND	0.0210		mg/Kg-dry	1	10/19/2010 1:11 AM	2205
Aroclor 1254	ND	0.0210		mg/Kg-dry	1	10/19/2010 1:11 AM	2205
Aroclor 1260	ND	0.0210		mg/Kg-dry	1	10/19/2010 1:11 AM	2205
Surr: Tetrachloro-m-xylene	70.0	33.7-156		%REC	1	10/19/2010 1:11 AM	2205
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	21	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-38 (0-4)
Matrix: SOIL
Lab ID: 1010531-013
Date Received: 10/12/2010 4:52 PM
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	31.6	0.556		mg/Kg-dry	1	10/14/2010 3:06 PM	2166
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0226		mg/Kg-dry	1	10/13/2010 8:33 PM	2150
Aroclor 1221	ND	0.0226		mg/Kg-dry	1	10/13/2010 8:33 PM	2150
Aroclor 1232	ND	0.0226		mg/Kg-dry	1	10/13/2010 8:33 PM	2150
Aroclor 1242	ND	0.0226		mg/Kg-dry	1	10/13/2010 8:33 PM	2150
Aroclor 1248	ND	0.0226		mg/Kg-dry	1	10/13/2010 8:33 PM	2150
Aroclor 1254	ND	0.0226		mg/Kg-dry	1	10/13/2010 8:33 PM	2150
Aroclor 1260	ND	0.0226		mg/Kg-dry	1	10/13/2010 8:33 PM	2150
Surr: Tetrachloro-m-xylene	52.5	33.7-156		%REC	1	10/13/2010 8:33 PM	2150
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Acenaphthylene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Anthracene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Benzo(a)anthracene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Benzo(a)pyrene	0.592	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Benzo(b)fluoranthene	0.739	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Benzo(g,h,i)perylene	0.572	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Benzo(k)fluoranthene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Chrysene	0.667	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Dibenzo(a,h)anthracene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Fluoranthene	0.758	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Fluorene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Indeno(1,2,3-cd)pyrene	0.553	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Naphthalene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Phenanthrene	ND	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Pyrene	1.01	0.540		mg/Kg-dry	10	10/20/2010 6:40 AM	2228
Surr: 2-Fluorobiphenyl	84.5	59.3-135		%REC	10	10/20/2010 6:40 AM	2228
Surr: 4-Terphenyl-d14	60.0	51.4-151		%REC	10	10/20/2010 6:40 AM	2228
Surr: Nitrobenzene-d5	77.7	50.6-126		%REC	10	10/20/2010 6:40 AM	2228
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	11.42	0		wt%	1	10/12/2010 5:55 PM	R6361
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: sb	
Percent Moisture	27	1.0		wt%	1	10/12/2010 11:00 PM	R6289

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

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Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-38 (4-8)
Matrix: SOIL
Lab ID: 1010531-014
Date Received: 10/12/2010 4:52 PM
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0206		mg/Kg-dry	1	10/19/2010 1:29 AM	2205
Aroclor 1221	ND	0.0206		mg/Kg-dry	1	10/19/2010 1:29 AM	2205
Aroclor 1232	ND	0.0206		mg/Kg-dry	1	10/19/2010 1:29 AM	2205
Aroclor 1242	ND	0.0206		mg/Kg-dry	1	10/19/2010 1:29 AM	2205
Aroclor 1248	ND	0.0206		mg/Kg-dry	1	10/19/2010 1:29 AM	2205
Aroclor 1254	ND	0.0206		mg/Kg-dry	1	10/19/2010 1:29 AM	2205
Aroclor 1260	ND	0.0206		mg/Kg-dry	1	10/19/2010 1:29 AM	2205
Surr: Tetrachloro-m-xylene	70.0	33.7-156		%REC	1	10/19/2010 1:29 AM	2205
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	19	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Client Sample ID: PB-39 (0-4)
Matrix: SOIL
Lab ID: 1010531-016
Date Received: 10/12/2010 4:52 PM
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
TALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	39.2	0.561		mg/Kg-dry	1	10/14/2010 3:12 PM	2166
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0204		mg/Kg-dry	1	10/13/2010 8:51 PM	2150
Aroclor 1221	ND	0.0204		mg/Kg-dry	1	10/13/2010 8:51 PM	2150
Aroclor 1232	ND	0.0204		mg/Kg-dry	1	10/13/2010 8:51 PM	2150
Aroclor 1242	ND	0.0204		mg/Kg-dry	1	10/13/2010 8:51 PM	2150
Aroclor 1248	ND	0.0204		mg/Kg-dry	1	10/13/2010 8:51 PM	2150
Aroclor 1254	ND	0.0204		mg/Kg-dry	1	10/13/2010 8:51 PM	2150
Aroclor 1260	ND	0.0204		mg/Kg-dry	1	10/13/2010 8:51 PM	2150
Surr: Tetrachloro-m-xylene	33.8	33.7-156		%REC	1	10/13/2010 8:51 PM	2150
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	12.78	0		wt%	1	10/12/2010 5:55 PM	R6361
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: sb	
Percent Moisture	18	1.0		wt%	1	10/12/2010 11:00 PM	R6289

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51st Street, Chicago

Report Date: October 20, 2010
Lab Order: 1010531

Client Sample ID: PB-39 (4-8)
Lab ID: 1010531-017 **Date Received:** 10/12/2010 4:52 PM

Matrix: SOIL
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0209		mg/Kg-dry	1	10/19/2010 1:47 AM	2205
Aroclor 1221	ND	0.0209		mg/Kg-dry	1	10/19/2010 1:47 AM	2205
Aroclor 1232	ND	0.0209		mg/Kg-dry	1	10/19/2010 1:47 AM	2205
Aroclor 1242	ND	0.0209		mg/Kg-dry	1	10/19/2010 1:47 AM	2205
Aroclor 1248	ND	0.0209		mg/Kg-dry	1	10/19/2010 1:47 AM	2205
Aroclor 1254	ND	0.0209		mg/Kg-dry	1	10/19/2010 1:47 AM	2205
Aroclor 1260	ND	0.0209		mg/Kg-dry	1	10/19/2010 1:47 AM	2205
Surr: Tetrachloro-m-xylene	78.8	33.7-156		%REC	1	10/19/2010 1:47 AM	2205
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	20	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Client Sample ID: PB-40 (0-4)
Lab ID: 1010531-019 **Date Received:** 10/12/2010 4:52 PM

Matrix: SOIL
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	435	0.571		mg/Kg-dry	1	10/14/2010 3:17 PM	2166
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0185		mg/Kg-dry	1	10/14/2010 4:00 PM	2150
Aroclor 1221	ND	0.0185		mg/Kg-dry	1	10/14/2010 4:00 PM	2150
Aroclor 1232	ND	0.0185		mg/Kg-dry	1	10/14/2010 4:00 PM	2150
Aroclor 1242	ND	0.0185		mg/Kg-dry	1	10/14/2010 4:00 PM	2150
Aroclor 1248	ND	0.0185		mg/Kg-dry	1	10/14/2010 4:00 PM	2150
Aroclor 1254	0.723	0.0185		mg/Kg-dry	1	10/14/2010 4:00 PM	2150
Aroclor 1260	0.329	0.0185		mg/Kg-dry	1	10/14/2010 4:00 PM	2150
Surr: Tetrachloro-m-xylene	32.5	33.7-156	S	%REC	1	10/14/2010 4:00 PM	2150
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	9.121	0		wt%	1	10/12/2010 5:55 PM	R6361
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: sb	
Percent Moisture	10	1.0		wt%	1	10/12/2010 11:00 PM	R6289

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-40 (4-8)
Matrix: SOIL
Lab ID: 1010531-020 **Date Received:** 10/12/2010 4:52 PM **Collection Date:** 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0210		mg/Kg-dry	1	10/19/2010 2:06 AM	2205
Aroclor 1221	ND	0.0210		mg/Kg-dry	1	10/19/2010 2:06 AM	2205
Aroclor 1232	ND	0.0210		mg/Kg-dry	1	10/19/2010 2:06 AM	2205
Aroclor 1242	ND	0.0210		mg/Kg-dry	1	10/19/2010 2:06 AM	2205
Aroclor 1248	ND	0.0210		mg/Kg-dry	1	10/19/2010 2:06 AM	2205
Aroclor 1254	ND	0.0210		mg/Kg-dry	1	10/19/2010 2:06 AM	2205
Aroclor 1260	ND	0.0210		mg/Kg-dry	1	10/19/2010 2:06 AM	2205
Surr: Tetrachloro-m-xylene	77.5	33.7-156		%REC	1	10/19/2010 2:06 AM	2205
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	21	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Client Sample ID: PB-41 (0-4)
Matrix: SOIL
Lab ID: 1010531-022 **Date Received:** 10/12/2010 4:52 PM **Collection Date:** 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	137	0.583		mg/Kg-dry	1	10/14/2010 3:23 PM	2166
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0216		mg/Kg-dry	1	10/13/2010 10:06 PM	2150
Aroclor 1221	ND	0.0216		mg/Kg-dry	1	10/13/2010 10:06 PM	2150
Aroclor 1232	ND	0.0216		mg/Kg-dry	1	10/13/2010 10:06 PM	2150
Aroclor 1242	ND	0.0216		mg/Kg-dry	1	10/13/2010 10:06 PM	2150
Aroclor 1248	ND	0.0216		mg/Kg-dry	1	10/13/2010 10:06 PM	2150
Aroclor 1254	ND	0.0216		mg/Kg-dry	1	10/13/2010 10:06 PM	2150
Aroclor 1260	0.0284	0.0216		mg/Kg-dry	1	10/13/2010 10:06 PM	2150
Surr: Tetrachloro-m-xylene	48.8	33.7-156		%REC	1	10/13/2010 10:06 PM	2150
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	22.14	0		wt%	1	10/12/2010 5:55 PM	R6361
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: sb	
Percent Moisture	23	1.0		wt%	1	10/12/2010 11:00 PM	R6289

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544 3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 20, 2010
Project Name: 3434 W. 51st Street, Chicago
Lab Order: 1010531

Client Sample ID: PB-41 (4-8)
Matrix: SOIL
Lab ID: 1010531-023
Date Received: 10/12/2010 4:52 PM
Collection Date: 10/12/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	ND	0.0208		mg/Kg-dry	1	10/19/2010 2:24 AM	2205
Aroclor 1221	ND	0.0208		mg/Kg-dry	1	10/19/2010 2:24 AM	2205
Aroclor 1232	ND	0.0208		mg/Kg-dry	1	10/19/2010 2:24 AM	2205
Aroclor 1242	ND	0.0208		mg/Kg-dry	1	10/19/2010 2:24 AM	2205
Aroclor 1248	ND	0.0208		mg/Kg-dry	1	10/19/2010 2:24 AM	2205
Aroclor 1254	ND	0.0208		mg/Kg-dry	1	10/19/2010 2:24 AM	2205
Aroclor 1260	ND	0.0208		mg/Kg-dry	1	10/19/2010 2:24 AM	2205
Surr: Tetrachloro-m-xylene	77.5	33.7-156		%REC	1	10/19/2010 2:24 AM	2205
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	20	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

PREP DATES REPOR

Client: Pioneer Engineering & Environmental Services, Inc. **Report Date:** October 20, 2010
Project: 3434 W. 51st Street, Chicago **Lab Order:** 1010531

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010531-001A	10/12/10	2150	3550_PCB	SOLID PREP SONICATION: PCB		10/13/10
		2166	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/14/10
1010531-002A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
1010531-004A		2160	3550SIM_B	SOLID PREP SONICATION: BNA		10/13/10
		2150	3550_PCB	SOLID PREP SONICATION: PCB		10/13/10
		2195	3550_TRPH	SOLID PREP SONICATION: TRPH		10/15/10
		2166	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/14/10
1010531-005A		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010531-007A		2150	3550_PCB	SOLID PREP SONICATION: PCB		10/13/10
		2166	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/14/10
1010531-008A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
1010531-010A		2150	3550_PCB	SOLID PREP SONICATION: PCB		10/13/10
		2166	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/14/10
1010531-011A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
1010531-013A		2228	3550SIM_B	SOLID PREP SONICATION: BNA		10/19/10
		2150	3550_PCB	SOLID PREP SONICATION: PCB		10/13/10
		2166	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/14/10
1010531-014A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
1010531-016A		2150	3550_PCB	SOLID PREP SONICATION: PCB		10/13/10
		2166	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/14/10
1010531-017A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
1010531-019A		2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2150	3550_PCB	SOLID PREP SONICATION: PCB		10/13/10
		2166	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/14/10
1010531-020A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
1010531-022A		2150	3550_PCB	SOLID PREP SONICATION: PCB		10/13/10
		2166	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/14/10
1010531-023A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD # 87743

Company Name: Pioneer
Company Address: 700 N. Sacramento Blvd. Ste. 101
City: Chicago State: IL Zip: 60630
Phone: 773-722-9200 Fax: ☐ Fax Report
Email Address: dprentice@pioneerees.com Final Report will be emailed
Project ID / Location: UNO / 3434 W. 51st, Chicago
Project Manager (Report to): Dakota Prentice
Sample Collector(s) Name: D. Prentice

TURNAROUND TIME REQUESTED

☐ Normal ☒ RUSH* *Additional Rush Charges Approved.

*Date & Time Needed: 10/14/10

Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☒ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED

Enter an "X" in box below for request

Page of
PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4

LAB USE ONLY

SLI ORDER No. 1010531
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples: 5 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION DATE	TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	SIZE & TYPE	PRESERVATIVE	PCBs	Total lead	PAHs	Hold	R	Condition	Split	LAB #
1	PB-34(0-4)	10/12/10		S		1	9oz Jar	None	X	X						1A
2	PB-34(4-8)	10/12/10		S		1	9oz Jar	None				X				2A
3	PB-34(8-12)	10/12/10		S		1	9oz Jar	None				X				3A
4	PB-35(0-4)	10/12/10		S		1	9oz-G	None	X	X	X					4A
5	PB-35(4-8)	10/12/10		S		1	9oz-G	None				X				5A
6	PB-35(8-12)	10/12/10		S		1	9oz-G	None				X				6A
7	PB-36(0-4)	10/12/10		S		1	9oz-G	None	X	X						7A
8	PB-36(4-8)	10/12/10		S		1	9oz-G	None				X				8A
9	PB-36(8-12)	10/12/10		S		1	9oz-G	None				X				9A
10	PB-37(0-4)	10/12/10		S		1	9oz-G	None	X	X						10A
11	PB-37(4-8)	10/12/10		S		1	9oz-G	None				X				11A
12	PB-37(8-12)	10/12/10		S		1	9oz-G	None				X				12A

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
PCBs - 2 day TAT
PAHs - 3 day TAT
Total lead - 2 day TAT

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10/12/10		10/12/10				
Received By ☐ Ice present	Time 355	Received By ☒ Ice present	Time 4:52 pm	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original, Pink-Sampler Copy

Rpt Ver ID: 10/20/10 5:22:34 PM melissa

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD # 87745

Page 2 of 2

Company Name: Pioneer
Company Address: 700 N. Sacramento Blvd. Ste. 101
City: Chicago State: IL Zip: 60630
Phone: 773 722-9200 Fax: ☐ Fax Report
Email Address: dprentice@pioneeres.com Final Report will be emailed
Project ID / Location: UNO / 3434 W. 51st, Chicago
Project Manager (Report to): Dakota Prentice
Sample Collector(s) Name: D. Prentice

TURNAROUND TIME REQUESTED
☐ Normal ☒ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed: 10/14/10
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.
Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☒ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

Shipping Method:
Reporting Level (at additional charge) 1 2 3 4
LAB USE ONLY
SLI ORDER No.: 101053 1
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples: 5 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	PCBs	DNAs	Total Lead	Hold	R	Condition	Split	LAB #
1	PB-38 (0-4)	10/12/10		S		1	9oz-G	None	X	X						13A
2	PB-38 (4-8)	10/12/10		S		1	9oz-G	None				X				14A
3	PB-38 (8-12)	10/12/10		S		1	9oz-G	None				X				15A
4	PB-39 (0-4)	10/12/10		S		1	9oz-G	None	X	X						16A
5	PB-39 (4-8)	10/12/10		S		1	9oz-G	None				X				17A
6	PB-39 (8-12)	10/12/10		S		1	9oz-G	None				X				18A
7	PB-40 (0-4)	10/12/10		S		1	9oz-G	None	X	X						19A
8	PB-40 (4-8)	10/12/10		S		1	9oz-G	None				X				20A
9	PB-40 (8-12)	10/12/10		S		1	9oz-G	None				X				21A
10	PB-41 (0-4)	10/12/10		S		1	9oz-G	None	X	X						22A
11	PB-41 (4-8)	10/12/10		S		1	9oz-G	None				X				23A
12	PB-41 (8-12)	10/12/10		S		1	9oz-G	None				X				24A

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz. 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaSB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
PCBs - 2 day TAT
DNAs - 3 day TAT
Total lead - 2 day TAT

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10-12-10		10/12/10				
Received By ☐ Ice present	Time	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time
	355		4:52pm				

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, Illinois 60162
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708-544-8587
www.suburbanlabs.com

November 03, 2010

Workorder: 1010653

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612

TEL: (773) 722-9200
FAX: (773) 722-9201
RE: 3434 W. 51st ST.

Dear Dakota Prentice:

Suburban Laboratories, Inc. received 25 sample(s) on 10/13/10 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Case Narrative

Client: Pioneer Engineering & Environmental Servi
Project: 3434 W. 51st ST.
WorkOrder: 1010653
Temperature of samples upon receipt at SLI: 1 C

Date: November 03, 2010
PO #:
QC Level:
Chain of Custody #: 87707, 87708, 87710

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which so meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:
PCBs:
Sample 1010653-007A: S= The surrogate was outside of laboratory control limits due to sample matrix. Analysis at dilution was required in order to identify the Aroclor patterns.

ample 1010653-013A: S= TheMS displayed low recovery for surrogate and could not be evaluated for 1260

recovery. Aroclor 1016 recovery was within laboratory control limits.. The MSD was within control limits.

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-42 (0-4)
Matrix: SOIL
Lab ID: 1010653-001
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	109	0.571		mg/Kg-dry	1	10/15/2010 1:58 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 5:56 PM	2167
Aroclor 1221	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 5:56 PM	2167
Aroclor 1232	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 5:56 PM	2167
Aroclor 1242	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 5:56 PM	2167
Aroclor 1248	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 5:56 PM	2167
Aroclor 1254	0.0203	0.0188		mg/Kg-dry	1	10/14/2010 5:56 PM	2167
Aroclor 1260	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 5:56 PM	2167
Surr: Tetrachloro-m-xylene	48.8	33.7-156		%REC	1	10/14/2010 5:56 PM	2167
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	11.17	0		wt%	1	10/13/2010 6:00 PM	R6386
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	11	1.0		wt%	1	10/14/2010 12:00 AM	R6325

Client Sample ID: PB-42 (4-8)
Matrix: SOIL
Lab ID: 1010653-002
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0192	0.0192		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1221	<0.0192	0.0192		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1232	<0.0192	0.0192		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1242	<0.0192	0.0192		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1248	<0.0192	0.0192		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1254	<0.0192	0.0192		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1260	<0.0192	0.0192		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Surr: Tetrachloro-m-xylene	75.0	33.7-156		%REC	1	10/20/2010 1:39 PM	2230
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	15	1.0		wt%	1	10/19/2010 12:00 AM	R6462

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-43 (0-4)
Matrix: SOIL
Lab ID: 1010653-004
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	464	0.566		mg/Kg-dry	1	10/15/2010 2:08 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	0.370	0.197		mg/Kg-dry	10	10/15/2010 11:44 AM	2167
Aroclor 1221	<0.197	0.197		mg/Kg-dry	10	10/15/2010 11:44 AM	2167
Aroclor 1232	<0.197	0.197		mg/Kg-dry	10	10/15/2010 11:44 AM	2167
Aroclor 1242	<0.197	0.197		mg/Kg-dry	10	10/15/2010 11:44 AM	2167
Aroclor 1248	<0.197	0.197		mg/Kg-dry	10	10/15/2010 11:44 AM	2167
Aroclor 1254	1.20	0.197		mg/Kg-dry	10	10/15/2010 11:44 AM	2167
Aroclor 1260	<0.197	0.197		mg/Kg-dry	10	10/15/2010 11:44 AM	2167
Surr: Tetrachloro-m-xylene	48.8	33.7-156		%REC	1	10/14/2010 6:15 PM	2167
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	1.40	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Acenaphthylene	0.0790	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Anthracene	2.41	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Benzo(a)anthracene	4.33	0.484		mg/Kg-dry	10	10/18/2010 3:29 AM	2175
enzo(a)pyrene	4.59	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Benzo(b)fluoranthene	4.14	0.484		mg/Kg-dry	10	10/18/2010 3:29 AM	2175
Benzo(g,h,i)perylene	2.21	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Benzo(k)fluoranthene	1.69	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Chrysene	4.72	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Dibenzo(a,h)anthracene	0.614	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Fluoranthene	8.41	0.484		mg/Kg-dry	10	10/18/2010 3:29 AM	2175
Fluorene	1.42	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Indeno(1,2,3-cd)pyrene	1.93	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Naphthalene	1.15	0.0484		mg/Kg-dry	1	10/18/2010 7:48 AM	2175
Phenanthrene	6.10	0.484		mg/Kg-dry	10	10/18/2010 3:29 AM	2175
Pyrene	8.57	0.484		mg/Kg-dry	10	10/18/2010 3:29 AM	2175
Surr: 2-Fluorobiphenyl	100	59.3-135		%REC	1	10/18/2010 7:48 AM	2175
Surr: 4-Terphenyl-d14	75.7	51.4-151		%REC	1	10/18/2010 7:48 AM	2175
Surr: Nitrobenzene-d5	121	50.6-126		%REC	1	10/18/2010 7:48 AM	2175
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	16.88	0		wt%	1	10/13/2010 6:00 PM	R6386
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	18	1.0		wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-43 (4-8)
Matrix: SOIL
Lab ID: 1010653-005
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:20 PM	2230
Aroclor 1221	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:20 PM	2230
Aroclor 1232	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:20 PM	2230
Aroclor 1242	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:20 PM	2230
Aroclor 1248	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:20 PM	2230
Aroclor 1254	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:20 PM	2230
Aroclor 1260	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:20 PM	2230
Surr: Tetrachloro-m-xylene	75.0	33.7-156		%REC	1	10/20/2010 1:20 PM	2230
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	19	1.0		wt%	1	10/19/2010 12:00 AM	R6462

Client Sample ID: PB-44 (0-4)
Matrix: SOIL
Lab ID: 1010653-007
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
TALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96				Analyst: jos	
Lead	0.19	0.0067		mg/L	1	10/21/2010 12:33 PM	2255
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	1,830	0.594		mg/Kg-dry	1	10/15/2010 2:17 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0185	0.0185		mg/Kg-dry	1	10/14/2010 6:33 PM	2167
Aroclor 1221	<0.0185	0.0185		mg/Kg-dry	1	10/14/2010 6:33 PM	2167
Aroclor 1232	<0.0185	0.0185		mg/Kg-dry	1	10/14/2010 6:33 PM	2167
Aroclor 1242	<0.0185	0.0185		mg/Kg-dry	1	10/14/2010 6:33 PM	2167
Aroclor 1248	<0.0185	0.0185		mg/Kg-dry	1	10/14/2010 6:33 PM	2167
Aroclor 1254	1.60	0.185		mg/Kg-dry	10	10/15/2010 12:03 PM	2167
Aroclor 1260	1.77	0.185		mg/Kg-dry	10	10/15/2010 12:03 PM	2167
Surr: Tetrachloro-m-xylene	31.3	33.7-156	S	%REC	1	10/14/2010 6:33 PM	2167
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	12.82	0		wt%	1	10/13/2010 6:00 PM	R6386
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	12	1.0		wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-44 (4-8)
Matrix: SOIL
Lab ID: 1010653-008
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1221	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1232	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1242	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1248	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1254	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Aroclor 1260	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 1:39 PM	2230
Surr: Tetrachloro-m-xylene	63.8	33.7-156		%REC	1	10/20/2010 1:39 PM	2230
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	19	1.0		wt%	1	10/19/2010 12:00 AM	R6462

Client Sample ID: PB-45 (0-4)
Matrix: SOIL
Lab ID: 1010653-010
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	129	0.583		mg/Kg-dry	1	10/15/2010 2:27 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0196	0.0196		mg/Kg-dry	1	10/14/2010 6:52 PM	2167
Aroclor 1221	<0.0196	0.0196		mg/Kg-dry	1	10/14/2010 6:52 PM	2167
Aroclor 1232	<0.0196	0.0196		mg/Kg-dry	1	10/14/2010 6:52 PM	2167
Aroclor 1242	<0.0196	0.0196		mg/Kg-dry	1	10/14/2010 6:52 PM	2167
Aroclor 1248	<0.0196	0.0196		mg/Kg-dry	1	10/14/2010 6:52 PM	2167
Aroclor 1254	<0.0196	0.0196		mg/Kg-dry	1	10/14/2010 6:52 PM	2167
Aroclor 1260	0.0466	0.0392		mg/Kg-dry	2	10/15/2010 12:21 PM	2167
Surr: Tetrachloro-m-xylene	53.8	33.7-156		%REC	1	10/14/2010 6:52 PM	2167
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	16.86	0		wt%	1	10/13/2010 6:00 PM	R6386
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	16	1.0		wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
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Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-45 (4-8)
Matrix: SOIL
Lab ID: 1010653-011
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:57 PM	2230
Aroclor 1221	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:57 PM	2230
Aroclor 1232	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:57 PM	2230
Aroclor 1242	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:57 PM	2230
Aroclor 1248	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:57 PM	2230
Aroclor 1254	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:57 PM	2230
Aroclor 1260	<0.0205	0.0205		mg/Kg-dry	1	10/20/2010 1:57 PM	2230
Surr: Tetrachloro-m-xylene	51.3	33.7-156		%REC	1	10/20/2010 1:57 PM	2230
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ls	
1,1,1-Trichloroethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
1,1,2,2-Tetrachloroethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
1,1,2-Trichloroethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
1,1-Dichloroethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
1,1-Dichloroethene	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
1,2-Dichloroethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
,2-Dichloropropane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
2-Butanone	<0.474	0.474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
2-Hexanone	<1.18	1.18		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
4-Methyl-2-pentanone	<1.18	1.18		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Acetone	<1.18	1.18		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Benzene	0.0185	0.0118		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Bromodichloromethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Bromoform	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Bromomethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Carbon disulfide	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Carbon tetrachloride	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Chlorobenzene	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Chloroethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Chloroform	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Chloromethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
cis-1,2-Dichloroethene	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
cis-1,3-Dichloropropene	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Dibromochloromethane	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Ethylbenzene	0.248	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
m,p-Xylene	0.342	0.0948		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Methyl tert-butyl ether	<0.0474	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Methylene chloride	<0.237	0.237		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
o-Xylene	0.489	0.0474		mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ls	
Total Xylenes	0.830	0.0948	mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Styrene	<0.0474	0.0474	mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Tetrachloroethene	<0.0948	0.0948	mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Toluene	0.0498	0.0474	mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
trans-1,2-Dichloroethene	<0.0474	0.0474	mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
trans-1,3-Dichloropropene	<0.0474	0.0474	mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Trichloroethene	<0.0474	0.0474	mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Vinyl chloride	<0.0474	0.0474	mg/Kg-dry	38.46	10/14/2010 6:17 PM	R6371
Surr: 4-Bromofluorobenzene	110	85.9-111	%REC	38.46	10/14/2010 6:17 PM	R6371
Surr: Dibromofluoromethane	100	87.5-113	%REC	38.46	10/14/2010 6:17 PM	R6371
Surr: Toluene-d8	100	83.3-121	%REC	38.46	10/14/2010 6:17 PM	R6371
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: jos	
Percent Moisture	19	1.0	wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
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Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-46 (0-4)
Matrix: SOIL
Lab ID: 1010653-013
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	89.9	0.606		mg/Kg-dry	1	10/15/2010 3:05 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0181	0.0181		mg/Kg-dry	1	10/14/2010 7:11 PM	2167
Aroclor 1221	<0.0181	0.0181		mg/Kg-dry	1	10/14/2010 7:11 PM	2167
Aroclor 1232	<0.0181	0.0181		mg/Kg-dry	1	10/14/2010 7:11 PM	2167
Aroclor 1242	<0.0181	0.0181		mg/Kg-dry	1	10/14/2010 7:11 PM	2167
Aroclor 1248	<0.0181	0.0181		mg/Kg-dry	1	10/14/2010 7:11 PM	2167
Aroclor 1254	<0.0181	0.0181		mg/Kg-dry	1	10/14/2010 7:11 PM	2167
Aroclor 1260	0.100	0.0181	S	mg/Kg-dry	1	10/14/2010 7:11 PM	2167
Surr: Tetrachloro-m-xylene	41.3	33.7-156		%REC	1	10/14/2010 7:11 PM	2167
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	0.320	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Acenaphthylene	<0.0432	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Anthracene	0.371	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Benzo(a)anthracene	1.51	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Benzo(a)pyrene	1.24	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Benzo(b)fluoranthene	1.82	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Benzo(g,h,i)perylene	0.573	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Benzo(k)fluoranthene	0.553	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Chrysene	1.40	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Dibenzo(a,h)anthracene	0.133	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Fluoranthene	2.43	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Fluorene	0.296	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Indeno(1,2,3-cd)pyrene	0.520	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Naphthalene	0.731	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Phenanthrene	1.71	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Pyrene	2.64	0.0432		mg/Kg-dry	1	10/18/2010 7:10 AM	2175
Surr: 2-Fluorobiphenyl	101	59.3-135		%REC	1	10/18/2010 7:10 AM	2175
Surr: 4-Terphenyl-d14	74.1	51.4-151		%REC	1	10/18/2010 7:10 AM	2175
Surr: Nitrobenzene-d5	115	50.6-126		%REC	1	10/18/2010 7:10 AM	2175
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	8.505	0		wt%	1	10/13/2010 6:00 PM	R6386
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	9.3	1.0		wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

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Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-46 (4-8)
Matrix: SOIL
Lab ID: 1010653-014
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 2:16 PM	2230
Aroclor 1221	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 2:16 PM	2230
Aroclor 1232	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 2:16 PM	2230
Aroclor 1242	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 2:16 PM	2230
Aroclor 1248	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 2:16 PM	2230
Aroclor 1254	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 2:16 PM	2230
Aroclor 1260	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 2:16 PM	2230
Surr: Tetrachloro-m-xylene	66.3	33.7-156		%REC	1	10/20/2010 2:16 PM	2230
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	19	1.0		wt%	1	10/19/2010 12:00 AM	R6462

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

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Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-47 (0-4)
Matrix: SOIL
Lab ID: 1010653-016
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96				Analyst: jos	
Lead	0.68	0.0067		mg/L	1	10/21/2010 12:38 PM	2255
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	1,190	0.594		mg/Kg-dry	1	10/15/2010 3:15 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0216	0.0216		mg/Kg-dry	1	10/14/2010 8:07 PM	2167
Aroclor 1221	<0.0216	0.0216		mg/Kg-dry	1	10/14/2010 8:07 PM	2167
Aroclor 1232	<0.0216	0.0216		mg/Kg-dry	1	10/14/2010 8:07 PM	2167
Aroclor 1242	<0.0216	0.0216		mg/Kg-dry	1	10/14/2010 8:07 PM	2167
Aroclor 1248	<0.0216	0.0216		mg/Kg-dry	1	10/14/2010 8:07 PM	2167
Aroclor 1254	<0.0216	0.0216		mg/Kg-dry	1	10/14/2010 8:07 PM	2167
Aroclor 1260	0.182	0.0216		mg/Kg-dry	1	10/14/2010 8:07 PM	2167
Surr: Tetrachloro-m-xylene	43.8	33.7-156		%REC	1	10/14/2010 8:07 PM	2167
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	0.378	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Acenaphthylene	<0.0512	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
nthracene	1.04	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Benzo(a)anthracene	4.84	0.512		mg/Kg-dry	10	10/18/2010 4:43 AM	2175
Benzo(a)pyrene	4.19	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Benzo(b)fluoranthene	4.79	0.512		mg/Kg-dry	10	10/18/2010 4:43 AM	2175
Benzo(g,h,i)perylene	1.63	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Benzo(k)fluoranthene	2.04	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Chrysene	4.43	0.512		mg/Kg-dry	10	10/18/2010 4:43 AM	2175
Dibenzo(a,h)anthracene	0.515	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Fluoranthene	8.75	0.512		mg/Kg-dry	10	10/18/2010 4:43 AM	2175
Fluorene	0.523	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Indeno(1,2,3-cd)pyrene	1.63	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Naphthalene	0.251	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Phenanthrene	4.59	0.0512		mg/Kg-dry	1	10/18/2010 6:33 AM	2175
Pyrene	8.53	0.512		mg/Kg-dry	10	10/18/2010 4:43 AM	2175
Surr: 2-Fluorobiphenyl	99.6	59.3-135		%REC	1	10/18/2010 6:33 AM	2175
Surr: 4-Terphenyl-d14	72.9	51.4-151		%REC	1	10/18/2010 6:33 AM	2175
Surr: Nitrobenzene-d5	116	50.6-126		%REC	1	10/18/2010 6:33 AM	2175
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	24.22	0		wt%	1	10/13/2010 6:00 PM	R6386
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	23	1.0		wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

*	Value exceeds Maximum Contaminant Level
c	Analyte not in SLI scope of accreditation
G	Refer to case narrative page for specific comments
J	Analyte detected below quantitation limit (QL)
ND	Not Detected at the Reporting Limit
B	Analyte detected in the associated Method Blank
E	Estimated, detected above quantitation range
H	Holding times for preparation or analysis exceeded
N	Tentatively identified compounds
R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-47 (4-8)
Matrix: SOIL
Lab ID: 1010653-017
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:19 PM	2230
Aroclor 1221	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:19 PM	2230
Aroclor 1232	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:19 PM	2230
Aroclor 1242	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:19 PM	2230
Aroclor 1248	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:19 PM	2230
Aroclor 1254	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:19 PM	2230
Aroclor 1260	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:19 PM	2230
Surr: Tetrachloro-m-xylene	56.3	33.7-156		%REC	1	10/20/2010 3:19 PM	2230
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	19	1.0		wt%	1	10/19/2010 12:00 AM	R6462

Client Sample ID: PB-48 (0-4)
Matrix: SOIL
Lab ID: 1010653-019
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	310	0.594		mg/Kg-dry	1	10/15/2010 3:23 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0191	0.0191		mg/Kg-dry	1	10/14/2010 8:25 PM	2167
Aroclor 1221	<0.0191	0.0191		mg/Kg-dry	1	10/14/2010 8:25 PM	2167
Aroclor 1232	<0.0191	0.0191		mg/Kg-dry	1	10/14/2010 8:25 PM	2167
Aroclor 1242	<0.0191	0.0191		mg/Kg-dry	1	10/14/2010 8:25 PM	2167
Aroclor 1248	<0.0191	0.0191		mg/Kg-dry	1	10/14/2010 8:25 PM	2167
Aroclor 1254	<0.0191	0.0191		mg/Kg-dry	1	10/14/2010 8:25 PM	2167
Aroclor 1260	0.209	0.0191		mg/Kg-dry	1	10/14/2010 8:25 PM	2167
Surr: Tetrachloro-m-xylene	47.5	33.7-156		%REC	1	10/14/2010 8:25 PM	2167
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	9.698	0		wt%	1	10/13/2010 6:00 PM	R6386
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	13	1.0		wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-48 (4-8)
Matrix: SOIL
Lab ID: 1010653-020
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:38 PM	2230
Aroclor 1221	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:38 PM	2230
Aroclor 1232	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:38 PM	2230
Aroclor 1242	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:38 PM	2230
Aroclor 1248	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:38 PM	2230
Aroclor 1254	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:38 PM	2230
Aroclor 1260	<0.0203	0.0203		mg/Kg-dry	1	10/20/2010 3:38 PM	2230
Surr: Tetrachloro-m-xylene	63.8	33.7-156		%REC	1	10/20/2010 3:38 PM	2230
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	18	1.0		wt%	1	10/19/2010 12:00 AM	R6462

Client Sample ID: PB-49 (0-4)
Matrix: SOIL
Lab ID: 1010653-021
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	390	0.612		mg/Kg-dry	1	10/15/2010 3:33 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 8:44 PM	2167
Aroclor 1221	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 8:44 PM	2167
Aroclor 1232	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 8:44 PM	2167
Aroclor 1242	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 8:44 PM	2167
Aroclor 1248	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 8:44 PM	2167
Aroclor 1254	<0.0188	0.0188		mg/Kg-dry	1	10/14/2010 8:44 PM	2167
Aroclor 1260	0.137	0.0188		mg/Kg-dry	1	10/14/2010 8:44 PM	2167
Surr: Tetrachloro-m-xylene	37.5	33.7-156		%REC	1	10/14/2010 8:44 PM	2167
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	14.92	0		wt%	1	10/13/2010 6:00 PM	R6386
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	12	1.0		wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-49 (4-8)
Matrix: SOIL
Lab ID: 1010653-022
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0200	0.0200		mg/Kg-dry	1	10/20/2010 3:59 PM	2230
Aroclor 1221	<0.0200	0.0200		mg/Kg-dry	1	10/20/2010 3:59 PM	2230
Aroclor 1232	<0.0200	0.0200		mg/Kg-dry	1	10/20/2010 3:59 PM	2230
Aroclor 1242	<0.0200	0.0200		mg/Kg-dry	1	10/20/2010 3:59 PM	2230
Aroclor 1248	<0.0200	0.0200		mg/Kg-dry	1	10/20/2010 3:59 PM	2230
Aroclor 1254	<0.0200	0.0200		mg/Kg-dry	1	10/20/2010 3:59 PM	2230
Aroclor 1260	<0.0200	0.0200		mg/Kg-dry	1	10/20/2010 3:59 PM	2230
Surr: Tetrachloro-m-xylene	77.5	33.7-156		%REC	1	10/20/2010 3:59 PM	2230
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	19	1.0		wt%	1	10/19/2010 12:00 AM	R6462

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-50 (0-4)
Matrix: SOIL
Lab ID: 1010653-024
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	7.07	1.13		mg/Kg-dry	1	10/15/2010 3:43 PM	2186
Barium	43.8	0.123		mg/Kg-dry	1	10/15/2010 3:43 PM	2186
Cadmium	1.08	0.0735		mg/Kg-dry	1	10/15/2010 3:43 PM	2186
Chromium	7.26	0.0588		mg/Kg-dry	1	10/15/2010 3:43 PM	2186
Lead	75.6	0.588		mg/Kg-dry	1	10/15/2010 3:43 PM	2186
Selenium	<1.27	1.27		mg/Kg-dry	1	10/15/2010 3:43 PM	2186
Silver	<0.0588	0.0588		mg/Kg-dry	1	10/15/2010 3:43 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0186	0.0186		mg/Kg-dry	1	10/20/2010 4:17 PM	2230
Aroclor 1221	<0.0186	0.0186		mg/Kg-dry	1	10/20/2010 4:17 PM	2230
Aroclor 1232	<0.0186	0.0186		mg/Kg-dry	1	10/20/2010 4:17 PM	2230
Aroclor 1242	<0.0186	0.0186		mg/Kg-dry	1	10/20/2010 4:17 PM	2230
Aroclor 1248	<0.0186	0.0186		mg/Kg-dry	1	10/20/2010 4:17 PM	2230
Aroclor 1254	<0.0186	0.0186		mg/Kg-dry	1	10/20/2010 4:17 PM	2230
Aroclor 1260	<0.0186	0.0186		mg/Kg-dry	1	10/20/2010 4:17 PM	2230
Surr: Tetrachloro-m-xylene	32.5	33.7-156	S	%REC	1	10/20/2010 4:17 PM	2230
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ls	
1,1,1-Trichloroethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
1,1,2,2-Tetrachloroethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
1,1,2-Trichloroethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
1,1-Dichloroethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
1,1-Dichloroethene	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
1,2-Dichloroethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
1,2-Dichloropropane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
2-Butanone	<0.00972	0.00972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
2-Hexanone	<0.0243	0.0243		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
4-Methyl-2-pentanone	<0.0243	0.0243		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Acetone	<0.0243	0.0243		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Benzene	0.000904	0.000243		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Bromodichloromethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Bromoform	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Bromomethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Carbon disulfide	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Carbon tetrachloride	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Chlorobenzene	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Chloroethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Chloroform	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Chloromethane	<0.000972	0.000972		mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ls	
cis-1,2-Dichloroethene	<0.000972	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
cis-1,3-Dichloropropene	<0.000972	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Dibromochloromethane	<0.000972	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Ethylbenzene	0.00279	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
m,p-Xylene	0.00897	0.00194	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Methyl tert-butyl ether	<0.000972	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Methylene chloride	<0.00486	0.00486	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
o-Xylene	0.00309	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Total Xylenes	0.0121	0.00194	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Styrene	<0.000972	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Tetrachloroethene	<0.00194	0.00194	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Toluene	0.0299	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
trans-1,2-Dichloroethene	<0.000972	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
trans-1,3-Dichloropropene	<0.000972	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Trichloroethene	0.00141	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Vinyl chloride	<0.000972	0.000972	mg/Kg-dry	0.86	10/14/2010 1:17 PM	R6372
Surr: 4-Bromofluorobenzene	83.7	61.55-121	%REC	0.86	10/14/2010 1:17 PM	R6372
Surr: Dibromofluoromethane	112	71.4-147	%REC	0.86	10/14/2010 1:17 PM	R6372
Surr: Toluene-d8	94.7	61-135	%REC	0.86	10/14/2010 1:17 PM	R6372
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
cenaphthene	19.3	0.447	mg/Kg-dry	10	10/18/2010 5:20 AM	2175
Acenaphthylene	2.88	0.447	mg/Kg-dry	10	10/18/2010 5:20 AM	2175
Anthracene	44.1	0.447	mg/Kg-dry	10	10/18/2010 5:20 AM	2175
Benzo(a)anthracene	53.7	4.47	mg/Kg-dry	100	10/18/2010 2:52 AM	2175
Benzo(a)pyrene	37.9	4.47	mg/Kg-dry	100	10/18/2010 2:52 AM	2175
Benzo(b)fluoranthene	48.2	4.47	mg/Kg-dry	100	10/18/2010 2:52 AM	2175
Benzo(g,h,i)perylene	21.9	0.447	mg/Kg-dry	10	10/18/2010 5:20 AM	2175
Benzo(k)fluoranthene	19.6	0.447	mg/Kg-dry	10	10/18/2010 5:20 AM	2175
Chrysene	45.1	4.47	mg/Kg-dry	100	10/18/2010 2:52 AM	2175
Dibenzo(a,h)anthracene	5.57	0.447	mg/Kg-dry	10	10/18/2010 5:20 AM	2175
Fluoranthene	131	4.47	mg/Kg-dry	100	10/18/2010 2:52 AM	2175
Fluorene	36.5	0.447	mg/Kg-dry	10	10/18/2010 5:20 AM	2175
Indeno(1,2,3-cd)pyrene	20.4	0.447	mg/Kg-dry	10	10/18/2010 5:20 AM	2175
Naphthalene	46.4	4.47	mg/Kg-dry	100	10/18/2010 2:52 AM	2175
Phenanthrene	172	4.47	mg/Kg-dry	100	10/18/2010 2:52 AM	2175
Pyrene	120	4.47	mg/Kg-dry	100	10/18/2010 2:52 AM	2175
Surr: 2-Fluorobiphenyl	83.0	59.3-135	%REC	10	10/18/2010 5:20 AM	2175
Surr: 4-Terphenyl-d14	61.6	51.4-151	%REC	10	10/18/2010 5:20 AM	2175
Surr: Nitrobenzene-d5	90.5	50.6-126	%REC	10	10/18/2010 5:20 AM	2175
MERCURY BY CVAA		Method: EPA-7471A-Rev 1, Sep-94			Analyst: kjl	
Mercury	0.289	0.0226	mg/Kg-dry	1	10/18/2010 1:08 PM	2213
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994			Analyst: dc	
ICP Specific Percent Moisture	12.88	0	wt%	1	10/13/2010 6:00 PM	R6386

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

PH (IN LABORATORY) <ATC>			Method: EPA-9045C-Rev 3, Jan-95			Analyst: lb	
pH	8.58	0		pH Units	1	10/19/2010 7:01 AM	R6453
PERCENT MOISTURE			Method: ASTM-D2216-Rev 2005			Analyst: jos	
Percent Moisture	12	1.0		wt%	1	10/14/2010 12:00 AM	R6325
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS			Method: EPA-418.1-Rev 1978			Analyst: vc	
TRPH	125	36.2	c	mg/Kg-dry	1	11/03/2010 2:22 PM	2339

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

Client Sample ID: PB-51 (0-4)
Matrix: SOIL
Lab ID: 1010653-025
Date Received: 10/13/2010 5:15 PM
Collection Date: 10/13/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	9.30	1.14		mg/Kg-dry	1	10/15/2010 3:53 PM	2186
Barium	79.6	0.124		mg/Kg-dry	1	10/15/2010 3:53 PM	2186
Cadmium	1.81	0.0743		mg/Kg-dry	1	10/15/2010 3:53 PM	2186
Chromium	16.4	0.0594		mg/Kg-dry	1	10/15/2010 3:53 PM	2186
Lead	115	0.594		mg/Kg-dry	1	10/15/2010 3:53 PM	2186
Selenium	<1.29	1.29		mg/Kg-dry	1	10/15/2010 3:53 PM	2186
Silver	<0.0594	0.0594		mg/Kg-dry	1	10/15/2010 3:53 PM	2186
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 4:36 PM	2230
Aroclor 1221	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 4:36 PM	2230
Aroclor 1232	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 4:36 PM	2230
Aroclor 1242	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 4:36 PM	2230
Aroclor 1248	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 4:36 PM	2230
Aroclor 1254	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 4:36 PM	2230
Aroclor 1260	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 4:36 PM	2230
Surr: Tetrachloro-m-xylene	46.3	33.7-156		%REC	1	10/20/2010 4:36 PM	2230
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ls	
1,1,1-Trichloroethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
1,1,2,2-Tetrachloroethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
1,1,2-Trichloroethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
1,1-Dichloroethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
1,1-Dichloroethene	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
1,2-Dichloroethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
1,2-Dichloropropane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
2-Butanone	0.0180	0.00914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
2-Hexanone	<0.0229	0.0229		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
4-Methyl-2-pentanone	<0.0229	0.0229		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Acetone	0.0995	0.0229		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Benzene	<0.000229	0.000229		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Bromodichloromethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Bromoform	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Bromomethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Carbon disulfide	0.00634	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Carbon tetrachloride	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Chlorobenzene	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Chloroethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Chloroform	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Chloromethane	<0.000914	0.000914		mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ls	
cis-1,2-Dichloroethene	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
cis-1,3-Dichloropropene	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Dibromochloromethane	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Ethylbenzene	0.00217	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
m,p-Xylene	0.00655	0.00183	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Methyl tert-butyl ether	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Methylene chloride	<0.00457	0.00457	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
o-Xylene	0.00151	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Total Xylenes	0.00805	0.00183	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Styrene	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Tetrachloroethene	<0.00183	0.00183	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Toluene	0.0219	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
trans-1,2-Dichloroethene	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
trans-1,3-Dichloropropene	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Trichloroethene	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Vinyl chloride	<0.000914	0.000914	mg/Kg-dry	0.74	10/14/2010 8:15 PM	R6372
Surr: 4-Bromofluorobenzene	81.7	61.55-121	%REC	0.74	10/14/2010 8:15 PM	R6372
Surr: Dibromofluoromethane	110	71.4-147	%REC	0.74	10/14/2010 8:15 PM	R6372
Surr: Toluene-d8	92.9	61-135	%REC	0.74	10/14/2010 8:15 PM	R6372
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
cenaphthene	0.385	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Acenaphthylene	<0.0484	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Anthracene	0.667	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Benzo(a)anthracene	1.94	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Benzo(a)pyrene	1.52	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Benzo(b)fluoranthene	2.13	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Benzo(g,h,i)perylene	0.694	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Benzo(k)fluoranthene	0.591	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Chrysene	1.66	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Dibenzo(a,h)anthracene	0.169	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Fluoranthene	3.45	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Fluorene	0.166	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Indeno(1,2,3-cd)pyrene	0.648	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Naphthalene	0.321	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Phenanthrene	1.55	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Pyrene	3.20	0.0484	mg/Kg-dry	1	10/18/2010 5:57 AM	2175
Surr: 2-Fluorobiphenyl	100	59.3-135	%REC	1	10/18/2010 5:57 AM	2175
Surr: 4-Terphenyl-d14	68.0	51.4-151	%REC	1	10/18/2010 5:57 AM	2175
Surr: Nitrobenzene-d5	112	50.6-126	%REC	1	10/18/2010 5:57 AM	2175
MERCURY BY CVAA		Method: EPA-7471A-Rev 1, Sep-94			Analyst: kjl	
Mercury	0.220	0.0247	mg/Kg-dry	1	10/18/2010 1:10 PM	2213
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994			Analyst: dc	
ICP Specific Percent Moisture	20.10	0	wt%	1	10/13/2010 6:00 PM	R6386

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Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 03, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010653

PH (IN LABORATORY) <ATC>			Method: EPA-9045C-Rev 3, Jan-95		Analyst: lb	
pH	8.99	0	pH Units	1	10/19/2010 7:01 AM	R6453
PERCENT MOISTURE			Method: ASTM-D2216-Rev 2005		Analyst: jos	
Percent Moisture	19	1.0	wt%	1	10/14/2010 12:00 AM	R6325

Qualifiers:

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J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client: Pioneer Engineering & Environmental Services, Inc. **Report Date:** November 03, 2010
Project: 3434 W. 51st ST. **Lab Order:** 1010653

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010653-001A	10/13/10	2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
1010653-002A		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010653-004A		2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2175	3550SIM_B	SOLID PREP SONICATION: BNA		10/14/10
		2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
1010653-005A		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010653-007A		2255	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		10/20/10
		2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
		2234	1311LMLow	TCLP SAMPLE PREP (Metals Low Level)		10/19/10
1010653-008A		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010653-010A		2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
1010653-011A		2182	5035PR	CLOSED SYSTEM P&T VOC Prep		10/13/10
1010653-011C		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010653-013A		2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2175	3550SIM_B	SOLID PREP SONICATION: BNA		10/14/10
		2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
1010653-014A		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010653-016A		2255	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		10/20/10
		2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2175	3550SIM_B	SOLID PREP SONICATION: BNA		10/14/10
		2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
		2234	1311LMLow	TCLP SAMPLE PREP (Metals Low Level)		10/19/10

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

PREP DATES REPOR

Client: Pioneer Engineering & Environmental Services, Inc. **Report Date:** November 03, 2010
Project: 3434 W. 51st ST. **Lab Order:** 1010653

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010653-017A	10/13/10	2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010653-019A		2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
1010653-020A		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010653-021A		2167	3550_PCB	SOLID PREP SONICATION: PCB		10/14/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
1010653-022A		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010653-024A		2183	5035PR	CLOSED SYSTEM P&T VOC Prep		10/14/10
1010653-024C		2213	HG_SPR	Mercury Prep for Solids		10/18/10
		2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2175	3550SIM_B	SOLID PREP SONICATION: BNA		10/14/10
		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2339	3550_TRPH	SOLID PREP SONICATION: TRPH		10/27/10
		2437	3550_TRPH	SOLID PREP SONICATION: TRPH		11/03/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10
1010653-025A		2183	5035PR	CLOSED SYSTEM P&T VOC Prep		10/14/10
1010653-025C		2213	HG_SPR	Mercury Prep for Solids		10/18/10
		2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2175	3550SIM_B	SOLID PREP SONICATION: BNA		10/14/10
		2230	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2186	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/15/10

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD # 87707

Page 1 of 3

Company Name: PIONEER
Company Address: 100 N SACRAMENTO
City: CHICAGO State: IL Zip: 60612
Phone: (773) 722 9200 Fax: ☐ Fax Report
Email Address: DPRENTICE@PIONEERES.COM Final Report will be emailed
Project ID/ Location: 3434 W 51ST ST
Project Manager (Report to): DAKOTA PRENTICE
Sample Collector(s) Name: JIM MIZWICKI

TURNAROUND TIME REQUESTED
☐ Normal ☒ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed: _____
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☐ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4

LAB USE ONLY
SLI ORDER No: 101053
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples: 1 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION "Use One Line Per Preservation & Container Type"	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	PCBs	TOTAL LEAD	PNAs	HOLD	R	Condition	Split	LAB #
1	PB-42(0-4)	10/13/10		SO		1	9oz (6)	NONE	X	X						11A
2	PB-42(4-8)	"		"		"	"	"				X				"
3	PB-42(8-12)	"		"		"	"	"				X				"
4	PB-43(0-4)	"		"		"	"	"	X	X	X					"
5	PB-43(4-8)	"		"		"	"	"				X				"
6	PB-43(8-12)	"		"		"	"	"				X				"
7	PB-44(0-4)	"		"		"	"	"	X	X						"
8	PB-44(4-8)	"		"		"	"	"				X				"
9	PB-44(8-12)	"		"		"	"	"				X				"
10	PB-45(0-4)	"		"		"	"	"	X	X						10A
11	PB-45(4-8)	"		"		4	40ml	none				X				11ABC
12	PB-45(8-12)	"		"		1	9oz (6)	NONE				X				12A

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaSB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
PCBs- 2day TAT
PNAs- 3 day TAT
Total lead - 2 day TAT
PB45(4-8) - ran VOCs
VOCs - 3day TAT

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10/13/10		10/13/10				
Received By	**Time**	**Received By**	**Time**	**Received By**	**Time**	**Received By**	**Time**
☐ Ice present	9:35	☑ Ice present	5:15	☐ Ice present		☐ Ice present	

Submission of samples subject to Terms and Conditions on back. 07/20/08 White-Original, Sampler Copy

Rpt Ver ID: 11/03/10 2:59:03 PM melissa

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

87708

Page 2 of 3

PO No.

Shipping Method

Reporting Level (at additional charge) 1 2 3 4

Company Name: PIONEER

Company Address: 700 N SACRAMENTO

City: CHICAGO State: IL Zip: 60612

Phone: 773 222 9200 Fax: ☐ Fax Report

Email Address: DPRENTICE@PIONEEREES.COM Final Report will be emailed

Project ID / Location: 3434 W 51ST

Project Manager (Report to): DAKOTA PRENTICE

Sample Collector(s) Name: JIM MIZUCHI

TURNAROUND TIME REQUESTED

☐ Normal ☒ RUSH* *Additional Rush Charges Approved.

*Date & Time Needed: _____

Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only

☐ LUST ☐ SRP ☐ SDWA

☐ 503 Sludge ☐ NPDES ☐ MWRDGC

☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED

Enter an "X" in box below for request

LAB USE ONLY

SLI ORDER No. 1010653

Sample containers supplied by customer? ☐ Yes

Temperature of Received Samples: 1 °C

Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION "Use One Line Per Preservation & Container Type"	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	PCBs	TOTAL LEAD	PNAS	HOLD	R	Condition	Split	LAB #
1	PB-46(0-4)	10/13/10		SO		1	9oz (G)	NONE	X	X	X					13A
2	PB-46(4-8)	/ /										X				
3	PB-46(8-12)	/ /										X				
4	PB-47(0-4)	/ /							X	X	X					
5	PB-47(4-8)	/ /										X				
6	PB-47(8-12)	/ /										X				
7	PB-48(0-4)	/ /							X	X						
8	PB-48(4-8)	/ /										X				
9	~~[illegible]~~	/ /										X	NOT COLLECTED			
10	PB-49(0-4)	/ /							X	X						
11	PB-49(4-8)	/ /										X				
12	PB-49(8-12)	/ /										X				23A

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

PCBs - 2 day TAT

PNAs - 3 day TAT

Total lead - 2 day TAT

CONDITION CODES

1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
[signature]	10/13/10	[signature]	10/13/10				
Received By [signature] ☐ Ice present	Time 4:35	Received By [signature] ☐ Ice present	Time 5:15	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. 07/20/06 White-Original, Sampler Copy

Rpt Ver ID: 11/03/10 2:59:03 PM melissa

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

87710

Company Name: PIONEER
Company Address: 700 N SACRAMENTO
City: CHICAGO State: IL Zip: 60612
Phone: 773 722 9200 Fax: ☐ Fax Report
Email Address: DPRENTICE@PIONEERNET.COM Final Report will be emailed
Project ID / Location: 4484 W 31ST
Project Manager (Report to): DARLENE PRENTICE
Sample Collector(s) Name: JIM MUZWICKI

TURNAROUND TIME REQUESTED
☐ Normal ☒ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed:
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☐ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

Page 3 of 3
PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4
LAB USE ONLY
SLI ORDER No: 10065
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples: °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION "Use One Line Per Preservation & Container Type"	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	VOCs	PAHs	Total RCRA 8 Metals	R	Condition	Split	LAB #
1	PB-50(0-4)	10/13/10		SO		4	40ml (2) 4oz	NONE MeOH + NaB	X	X	X				24AB
2	PB-51(0-4)	"		"		"	"	"	X	X	X				25AB
3		/ /													
4		/ /													
5		/ /													
6		/ /													
7		/ /													
8		/ /													
9		/ /													
10		/ /													
11		/ /													
12		/ /													

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
VOCs, PAHs, RCRA 8 Metals - 3day TAT

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10/13/10		10/13/10				
Received By ☐ Ice present	Time 4:35	Received By ☑ Ice present	Time 5:15	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. 07/20/08 White-Original, Sampler Copy

Rpt Ver ID: 11/03/10 2:59:03 PM melissa

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, Illinois 60162
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708-544-8587
www.suburbanlabs.com

October 25, 2010

Workorder: 1010703

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612

TEL: (773) 722-9200
FAX: (773) 722-9201
RE: 3434 W. 51st ST.

Dear Dakota Prentice:

Suburban Laboratories, Inc. received 40 sample(s) on 10/14/10 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Melissa Amador

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Case Narrative

Client: Pioneer Engineering & Environmental Servi
Date: October 25, 2010
Project: 3434 W. 51st ST.
PO #:
WorkOrder: 1010703
QC Level:
Temperature of samples upon receipt at SLI: C
Chain of Custody #: 87748,87746,87747,87744

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:
PCBs:
Sample 1010703-031A: S= Sample was analyzed at dilution and surrogate recovery could not be evaluated due to sample matrix.

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-52(0-2.5)
Matrix: SOIL
Lab ID: 1010703-001
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.179	0.179		mg/Kg-dry	10	10/15/2010 10:05 PM	2184
Aroclor 1221	<0.179	0.179		mg/Kg-dry	10	10/15/2010 10:05 PM	2184
Aroclor 1232	<0.179	0.179		mg/Kg-dry	10	10/15/2010 10:05 PM	2184
Aroclor 1242	<0.179	0.179		mg/Kg-dry	10	10/15/2010 10:05 PM	2184
Aroclor 1248	<0.179	0.179		mg/Kg-dry	10	10/15/2010 10:05 PM	2184
Aroclor 1254	<0.179	0.179		mg/Kg-dry	10	10/15/2010 10:05 PM	2184
Aroclor 1260	0.182	0.179		mg/Kg-dry	10	10/15/2010 10:05 PM	2184
Surr: Tetrachloro-m-xylene	62.5	33.7-156		%REC	10	10/15/2010 10:05 PM	2184
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	8.8	1.0		wt%	1	10/18/2010 12:00 AM	R6375

Client Sample ID: PB-53(0-2.5)
Matrix: SOIL
Lab ID: 1010703-005
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.189	0.189		mg/Kg-dry	10	10/15/2010 10:24 PM	2184
Aroclor 1221	<0.189	0.189		mg/Kg-dry	10	10/15/2010 10:24 PM	2184
Aroclor 1232	<0.189	0.189		mg/Kg-dry	10	10/15/2010 10:24 PM	2184
Aroclor 1242	<0.189	0.189		mg/Kg-dry	10	10/15/2010 10:24 PM	2184
Aroclor 1248	<0.189	0.189		mg/Kg-dry	10	10/15/2010 10:24 PM	2184
Aroclor 1254	<0.189	0.189		mg/Kg-dry	10	10/15/2010 10:24 PM	2184
Aroclor 1260	0.230	0.189		mg/Kg-dry	10	10/15/2010 10:24 PM	2184
Surr: Tetrachloro-m-xylene	50.0	33.7-156		%REC	10	10/15/2010 10:24 PM	2184
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	14	1.0		wt%	1	10/18/2010 12:00 AM	R6375

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
	G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-54(0-2.5)
Matrix: SOIL
Lab ID: 1010703-008
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.187	0.187		mg/Kg-dry	10	10/15/2010 10:42 PM	2184
Aroclor 1221	<0.187	0.187		mg/Kg-dry	10	10/15/2010 10:42 PM	2184
Aroclor 1232	<0.187	0.187		mg/Kg-dry	10	10/15/2010 10:42 PM	2184
Aroclor 1242	<0.187	0.187		mg/Kg-dry	10	10/15/2010 10:42 PM	2184
Aroclor 1248	<0.187	0.187		mg/Kg-dry	10	10/15/2010 10:42 PM	2184
Aroclor 1254	<0.187	0.187		mg/Kg-dry	10	10/15/2010 10:42 PM	2184
Aroclor 1260	<0.187	0.187		mg/Kg-dry	10	10/15/2010 10:42 PM	2184
Surr: Tetrachloro-m-xylene	50.0	33.7-156		%REC	10	10/15/2010 10:42 PM	2184
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	13	1.0		wt%	1	10/18/2010 12:00 AM	R6375

Client Sample ID: PB-55(0-2.5)
Matrix: SOIL
Lab ID: 1010703-013
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
BS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.183	0.183		mg/Kg-dry	10	10/15/2010 11:01 PM	2184
Aroclor 1221	<0.183	0.183		mg/Kg-dry	10	10/15/2010 11:01 PM	2184
Aroclor 1232	<0.183	0.183		mg/Kg-dry	10	10/15/2010 11:01 PM	2184
Aroclor 1242	<0.183	0.183		mg/Kg-dry	10	10/15/2010 11:01 PM	2184
Aroclor 1248	<0.183	0.183		mg/Kg-dry	10	10/15/2010 11:01 PM	2184
Aroclor 1254	1.81	0.183		mg/Kg-dry	10	10/15/2010 11:01 PM	2184
Aroclor 1260	1.71	0.183		mg/Kg-dry	10	10/15/2010 11:01 PM	2184
Surr: Tetrachloro-m-xylene	50.0	33.7-156		%REC	10	10/15/2010 11:01 PM	2184
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	9.6	1.0		wt%	1	10/18/2010 12:00 AM	R6375

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
	G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-55(2.5-5)
Matrix: SOIL
Lab ID: 1010703-014
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0201	0.0201		mg/Kg-dry	1	10/22/2010 10:30 AM	2262
Aroclor 1221	<0.0201	0.0201		mg/Kg-dry	1	10/22/2010 10:30 AM	2262
Aroclor 1232	<0.0201	0.0201		mg/Kg-dry	1	10/22/2010 10:30 AM	2262
Aroclor 1242	<0.0201	0.0201		mg/Kg-dry	1	10/22/2010 10:30 AM	2262
Aroclor 1248	<0.0201	0.0201		mg/Kg-dry	1	10/22/2010 10:30 AM	2262
Aroclor 1254	0.0260	0.0201		mg/Kg-dry	1	10/22/2010 10:30 AM	2262
Aroclor 1260	<0.0201	0.0201		mg/Kg-dry	1	10/22/2010 10:30 AM	2262
Surr: Tetrachloro-m-xylene	61.3	33.7-156		%REC	1	10/22/2010 10:30 AM	2262
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	17	1.0		wt%	1	10/21/2010 12:00 AM	R6578

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-56(0-2.5)
Matrix: SOIL
Lab ID: 1010703-017
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
1,1,2,2-Tetrachloroethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
1,1,2-Trichloroethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
1,1-Dichloroethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
1,1-Dichloroethene	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
1,2-Dichloroethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
1,2-Dichloropropane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
2-Butanone	<0.974	0.974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
2-Hexanone	<2.44	2.44		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
4-Methyl-2-pentanone	<2.44	2.44		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Acetone	<2.44	2.44		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Benzene	0.507	0.0244		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Bromodichloromethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Bromoform	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Bromomethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
arbon disulfide	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Carbon tetrachloride	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Chlorobenzene	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Chloroethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Chloroform	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Chloromethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
cis-1,2-Dichloroethene	10.9	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
cis-1,3-Dichloropropene	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Dibromochloromethane	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Ethylbenzene	3.39	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
m,p-Xylene	7.66	0.195		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Methyl tert-butyl ether	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Methylene chloride	<0.487	0.487		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
o-Xylene	5.74	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Total Xylenes	13.4	0.195		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Styrene	0.210	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Tetrachloroethene	<0.195	0.195		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Toluene	1.45	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
trans-1,2-Dichloroethene	1.58	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
trans-1,3-Dichloropropene	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Trichloroethene	<0.0974	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Vinyl chloride	2.01	0.0974		mg/Kg-dry	86.5	10/15/2010 10:47 PM	R6416
Surr: 4-Bromofluorobenzene	101	85.9-111		%REC	86.5	10/15/2010 10:47 PM	R6416

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: fs	
Surr: Dibromofluoromethane	105	87.5-113	%REC	86.5	10/15/2010 10:47 PM	R6416
Surr: Toluene-d8	98.1	83.3-121	%REC	86.5	10/15/2010 10:47 PM	R6416
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	11	1.0	wt%	1	10/18/2010 12:00 AM	R6375

Client Sample ID: PB-56(0-2.5)
Matrix: SOIL
Lab ID: 1010703-018 **Date Received:** 10/14/2010 4:09 PM **Collection Date:** 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	0.793	0.187		mg/Kg-dry	10	10/15/2010 11:19 PM	2184
Aroclor 1221	<0.187	0.187		mg/Kg-dry	10	10/15/2010 11:19 PM	2184
Aroclor 1232	<0.187	0.187		mg/Kg-dry	10	10/15/2010 11:19 PM	2184
Aroclor 1242	<0.187	0.187		mg/Kg-dry	10	10/15/2010 11:19 PM	2184
Aroclor 1248	<0.187	0.187		mg/Kg-dry	10	10/15/2010 11:19 PM	2184
Aroclor 1254	<0.187	0.187		mg/Kg-dry	10	10/15/2010 11:19 PM	2184
Aroclor 1260	3.72	0.187		mg/Kg-dry	10	10/15/2010 11:19 PM	2184
Surr: Tetrachloro-m-xylene	37.5	33.7-156		%REC	10	10/15/2010 11:19 PM	2184
CYANIDE, REACTIVE		Method:				Analyst: maa	
Reactive Cyanide	Attached	0.011		mg/Kg-dry	1	10/22/2010 12:00 AM	R6669
RCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	11	1.0		wt%	1	10/15/2010 10:27 AM	R6375
SULFIDE, REACTIVE		Method:				Analyst: maa	
Reactive Sulfide	Attached	1.13		mg/Kg-dry	1	10/20/2010 12:00 AM	R6669
TOTAL RECOVERABLE PETROLEUM HYDROCARBONS		Method: EPA-418.1-Rev 1978				Analyst: vc	
TRPH	29,300	3,600	c	mg/Kg-dry	100	10/15/2010 6:14 PM	2195

Client Sample ID: PB-56(2.5-5)
Matrix: SOIL
Lab ID: 1010703-019 **Date Received:** 10/14/2010 4:09 PM **Collection Date:** 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0202	0.0202		mg/Kg-dry	1	10/22/2010 10:49 AM	2262
Aroclor 1221	<0.0202	0.0202		mg/Kg-dry	1	10/22/2010 10:49 AM	2262
Aroclor 1232	<0.0202	0.0202		mg/Kg-dry	1	10/22/2010 10:49 AM	2262
Aroclor 1242	<0.0202	0.0202		mg/Kg-dry	1	10/22/2010 10:49 AM	2262
Aroclor 1248	<0.0202	0.0202		mg/Kg-dry	1	10/22/2010 10:49 AM	2262
Aroclor 1254	<0.0202	0.0202		mg/Kg-dry	1	10/22/2010 10:49 AM	2262
Aroclor 1260	0.0209	0.0202		mg/Kg-dry	1	10/22/2010 10:49 AM	2262
Surr: Tetrachloro-m-xylene	67.5	33.7-156		%REC	1	10/22/2010 10:49 AM	2262
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	17	1.0		wt%	1	10/21/2010 12:00 AM	R6578

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-56(5-7.5)
Matrix: SOIL
Lab ID: 1010703-020
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0206	0.0206		mg/Kg-dry	1	10/22/2010 11:07 AM	2262
Aroclor 1221	<0.0206	0.0206		mg/Kg-dry	1	10/22/2010 11:07 AM	2262
Aroclor 1232	<0.0206	0.0206		mg/Kg-dry	1	10/22/2010 11:07 AM	2262
Aroclor 1242	<0.0206	0.0206		mg/Kg-dry	1	10/22/2010 11:07 AM	2262
Aroclor 1248	<0.0206	0.0206		mg/Kg-dry	1	10/22/2010 11:07 AM	2262
Aroclor 1254	<0.0206	0.0206		mg/Kg-dry	1	10/22/2010 11:07 AM	2262
Aroclor 1260	<0.0206	0.0206		mg/Kg-dry	1	10/22/2010 11:07 AM	2262
Surr: Tetrachloro-m-xylene	70.0	33.7-156		%REC	1	10/22/2010 11:07 AM	2262
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	19	1.0		wt%	1	10/21/2010 12:00 AM	R6578

Client Sample ID: PB-57(0-2.5)
Matrix: SOIL
Lab ID: 1010703-023
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
BS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.196	0.196		mg/Kg-dry	10	10/15/2010 11:38 PM	2184
Aroclor 1221	<0.196	0.196		mg/Kg-dry	10	10/15/2010 11:38 PM	2184
Aroclor 1232	<0.196	0.196		mg/Kg-dry	10	10/15/2010 11:38 PM	2184
Aroclor 1242	<0.196	0.196		mg/Kg-dry	10	10/15/2010 11:38 PM	2184
Aroclor 1248	<0.196	0.196		mg/Kg-dry	10	10/15/2010 11:38 PM	2184
Aroclor 1254	<0.196	0.196		mg/Kg-dry	10	10/15/2010 11:38 PM	2184
Aroclor 1260	<0.196	0.196		mg/Kg-dry	10	10/15/2010 11:38 PM	2184
Surr: Tetrachloro-m-xylene	62.5	33.7-156		%REC	10	10/15/2010 11:38 PM	2184
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	15	1.0		wt%	1	10/18/2010 12:00 AM	R6375

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-58(7.5-10)
Matrix: SOIL
Lab ID: 1010703-025
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ls	
1,1,1-Trichloroethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
1,1,2,2-Tetrachloroethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
1,1,2-Trichloroethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
1,1-Dichloroethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
1,1-Dichloroethene	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
1,2-Dichloroethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
1,2-Dichloropropane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
2-Butanone	<0.00883	0.00883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
2-Hexanone	<0.0221	0.0221		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
4-Methyl-2-pentanone	<0.0221	0.0221		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Acetone	<0.0221	0.0221		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Benzene	<0.000221	0.000221		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Bromodichloromethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Bromoform	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Bromomethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
arbon disulfide	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Carbon tetrachloride	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Chlorobenzene	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Chloroethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Chloroform	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Chloromethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
cis-1,2-Dichloroethene	0.00682	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
cis-1,3-Dichloropropene	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Dibromochloromethane	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Ethylbenzene	0.00451	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
m,p-Xylene	0.0143	0.00177		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Methyl tert-butyl ether	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Methylene chloride	<0.00442	0.00442		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
o-Xylene	0.00320	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Total Xylenes	0.0175	0.00177		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Styrene	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Tetrachloroethene	<0.00177	0.00177		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Toluene	0.0465	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
trans-1,2-Dichloroethene	0.000945	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
trans-1,3-Dichloropropene	<0.000883	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Trichloroethene	0.00178	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Vinyl chloride	0.00414	0.000883		mg/Kg-dry	0.72	10/17/2010 12:59 PM	R6417
Surr: 4-Bromofluorobenzene	92.5	61.55-121		%REC	0.72	10/17/2010 12:59 PM	R6417

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ls	
Surr: Dibromofluoromethane	110	71.4-147	%REC	0.72	10/17/2010 12:59 PM	R6417
Surr: Toluene-d8	96.6	61-135	%REC	0.72	10/17/2010 12:59 PM	R6417
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	19	1.0	wt%	1	10/18/2010 12:00 AM	R6375

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51st ST.

Report Date: October 25, 2010
Lab Order: 1010703

Client Sample ID: PB-58(10-12.5)
Lab ID: 1010703-027 **Date Received:** 10/14/2010 4:09 PM

Matrix: SOIL
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ls	
1,1,1-Trichloroethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
1,1,2,2-Tetrachloroethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
1,1,2-Trichloroethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
1,1-Dichloroethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
1,1-Dichloroethene	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
1,2-Dichloroethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
1,2-Dichloropropane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
2-Butanone	<0.00877	0.00877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
2-Hexanone	<0.0219	0.0219		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
4-Methyl-2-pentanone	<0.0219	0.0219		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Acetone	<0.0219	0.0219		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Benzene	<0.000219	0.000219		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Bromodichloromethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Bromoform	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Bromomethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
arbon disulfide	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Carbon tetrachloride	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Chlorobenzene	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Chloroethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Chloroform	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Chloromethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
cis-1,2-Dichloroethene	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
cis-1,3-Dichloropropene	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Dibromochloromethane	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Ethylbenzene	0.00306	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
m,p-Xylene	0.00925	0.00175		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Methyl tert-butyl ether	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Methylene chloride	<0.00438	0.00438		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
o-Xylene	0.00229	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Total Xylenes	0.0115	0.00175		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Styrene	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Tetrachloroethene	<0.00175	0.00175		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Toluene	0.0291	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
trans-1,2-Dichloroethene	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
trans-1,3-Dichloropropene	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Trichloroethene	0.000947	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Vinyl chloride	<0.000877	0.000877		mg/Kg-dry	0.72	10/17/2010 8:14 PM	R6417
Surr: 4-Bromofluorobenzene	83.2	61.55-121		%REC	0.72	10/17/2010 8:14 PM	R6417

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ls	
Surr: Dibromofluoromethane	115	71.4-147	%REC	0.72	10/17/2010 8:14 PM	R6417
Surr: Toluene-d8	95.3	61-135	%REC	0.72	10/17/2010 8:14 PM	R6417
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	18	1.0	wt%	1	10/18/2010 12:00 AM	R6375

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
	G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

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Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-59(7.5-10)
Matrix: SOIL
Lab ID: 1010703-029
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
1,1,2,2-Tetrachloroethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
1,1,2-Trichloroethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
1,1-Dichloroethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
1,1-Dichloroethene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
1,2-Dichloroethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
1,2-Dichloropropane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
2-Butanone	<0.436	0.436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
2-Hexanone	<1.09	1.09		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
4-Methyl-2-pentanone	<1.09	1.09		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Acetone	<1.09	1.09		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Benzene	<0.0109	0.0109		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Bromodichloromethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Bromoform	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Bromomethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
arbon disulfide	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Carbon tetrachloride	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Chlorobenzene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Chloroethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Chloroform	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Chloromethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
cis-1,2-Dichloroethene	5.37	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
cis-1,3-Dichloropropene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Dibromochloromethane	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Ethylbenzene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
m,p-Xylene	<0.0872	0.0872		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Methyl tert-butyl ether	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Methylene chloride	<0.218	0.218		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
o-Xylene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Total Xylenes	<0.0872	0.0872		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Styrene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Tetrachloroethene	<0.0872	0.0872		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Toluene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
trans-1,2-Dichloroethene	0.645	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
trans-1,3-Dichloropropene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Trichloroethene	<0.0436	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Vinyl chloride	4.46	0.0436		mg/Kg-dry	35.51	10/15/2010 7:16 PM	R6416
Surr: 4-Bromofluorobenzene	99.1	85.9-111		%REC	35.51	10/15/2010 7:16 PM	R6416

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ts	
Surr: Dibromofluoromethane	105	87.5-113	%REC	35.51	10/15/2010 7:16 PM	R6416
Surr: Toluene-d8	99.6	83.3-121	%REC	35.51	10/15/2010 7:16 PM	R6416
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	19	1.0	wt%	1	10/18/2010 12:00 AM	R6375

Client Sample ID: PB-60(0-2.5)
Matrix: SOIL
Lab ID: 1010703-031
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.189	0.189		mg/Kg-dry	10	10/16/2010 5:12 AM	2184
Aroclor 1221	<0.189	0.189		mg/Kg-dry	10	10/16/2010 5:12 AM	2184
Aroclor 1232	<0.189	0.189		mg/Kg-dry	10	10/16/2010 5:12 AM	2184
Aroclor 1242	<0.189	0.189		mg/Kg-dry	10	10/16/2010 5:12 AM	2184
Aroclor 1248	<0.189	0.189		mg/Kg-dry	10	10/16/2010 5:12 AM	2184
Aroclor 1254	0.255	0.189		mg/Kg-dry	10	10/16/2010 5:12 AM	2184
Aroclor 1260	<0.189	0.189		mg/Kg-dry	10	10/16/2010 5:12 AM	2184
Surr: Tetrachloro-m-xylene	25.0	33.7-156	S	%REC	10	10/16/2010 5:12 AM	2184
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	14	1.0		wt%	1	10/18/2010 12:00 AM	R6375

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-60(7.5-10)
Matrix: SOIL
Lab ID: 1010703-035
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0208	0.0208		mg/Kg-dry	1	10/22/2010 11:26 AM	2262
Aroclor 1221	<0.0208	0.0208		mg/Kg-dry	1	10/22/2010 11:26 AM	2262
Aroclor 1232	<0.0208	0.0208		mg/Kg-dry	1	10/22/2010 11:26 AM	2262
Aroclor 1242	<0.0208	0.0208		mg/Kg-dry	1	10/22/2010 11:26 AM	2262
Aroclor 1248	<0.0208	0.0208		mg/Kg-dry	1	10/22/2010 11:26 AM	2262
Aroclor 1254	<0.0208	0.0208		mg/Kg-dry	1	10/22/2010 11:26 AM	2262
Aroclor 1260	<0.0208	0.0208		mg/Kg-dry	1	10/22/2010 11:26 AM	2262
Surr: Tetrachloro-m-xylene	80.0	33.7-156		%REC	1	10/22/2010 11:26 AM	2262
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
1,1,2,2-Tetrachloroethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
1,1,2-Trichloroethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
1,1-Dichloroethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
1,1-Dichloroethene	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
1,2-Dichloroethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
,2-Dichloropropane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
2-Butanone	<0.500	0.500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
2-Hexanone	<1.25	1.25		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
4-Methyl-2-pentanone	<1.25	1.25		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Acetone	<1.25	1.25		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Benzene	<0.0125	0.0125		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Bromodichloromethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Bromoform	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Bromomethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Carbon disulfide	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Carbon tetrachloride	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Chlorobenzene	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Chloroethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Chloroform	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Chloromethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
cis-1,2-Dichloroethene	1.31	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
cis-1,3-Dichloropropene	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Dibromochloromethane	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Ethylbenzene	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
m,p-Xylene	<0.100	0.100		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Methyl tert-butyl ether	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Methylene chloride	<0.250	0.250		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
o-Xylene	<0.0500	0.0500		mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416

Qualifiers:

*	Value exceeds Maximum Contaminant Level
c	Analyte not in SLI scope of accreditation
G	Refer to case narrative page for specific comments
J	Analyte detected below quantitation limit (QL)
ND	Not Detected at the Reporting Limit
B	Analyte detected in the associated Method Blank
E	Estimated, detected above quantitation range
H	Holding times for preparation or analysis exceeded
N	Tentatively identified compounds
R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ts	
Total Xylenes	<0.100	0.100	mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Styrene	<0.0500	0.0500	mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Tetrachloroethene	<0.100	0.100	mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Toluene	<0.0500	0.0500	mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
trans-1,2-Dichloroethene	0.217	0.0500	mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
trans-1,3-Dichloropropene	<0.0500	0.0500	mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Trichloroethene	<0.0500	0.0500	mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Vinyl chloride	0.0791	0.0500	mg/Kg-dry	40.13	10/15/2010 6:41 PM	R6416
Surr: 4-Bromofluorobenzene	102	85.9-111	%REC	40.13	10/15/2010 6:41 PM	R6416
Surr: Dibromofluoromethane	104	87.5-113	%REC	40.13	10/15/2010 6:41 PM	R6416
Surr: Toluene-d8	99.7	83.3-121	%REC	40.13	10/15/2010 6:41 PM	R6416
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	20	1.0	wt%	1	10/18/2010 12:00 AM	R6375

Client Sample ID: PB-61(0-2.5)
Matrix: SOIL
Lab ID: 1010703-037 **Date Received:** 10/14/2010 4:09 PM **Collection Date:** 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.199	0.199		mg/Kg-dry	10	10/16/2010 12:15 AM	2184
Aroclor 1221	<0.199	0.199		mg/Kg-dry	10	10/16/2010 12:15 AM	2184
Aroclor 1232	<0.199	0.199		mg/Kg-dry	10	10/16/2010 12:15 AM	2184
Aroclor 1242	<0.199	0.199		mg/Kg-dry	10	10/16/2010 12:15 AM	2184
Aroclor 1248	<0.199	0.199		mg/Kg-dry	10	10/16/2010 12:15 AM	2184
Aroclor 1254	4.09	0.199		mg/Kg-dry	10	10/16/2010 12:15 AM	2184
Aroclor 1260	1.67	0.199		mg/Kg-dry	10	10/16/2010 12:15 AM	2184
Surr: Tetrachloro-m-xylene	50.0	33.7-156		%REC	10	10/16/2010 12:15 AM	2184
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	18	1.0		wt%	1	10/18/2010 12:00 AM	R6375

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

Client Sample ID: PB-61(2.5-5)
Matrix: SOIL
Lab ID: 1010703-038
Date Received: 10/14/2010 4:09 PM
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0200	0.0200		mg/Kg-dry	1	10/22/2010 11:45 AM	2262
Aroclor 1221	<0.0200	0.0200		mg/Kg-dry	1	10/22/2010 11:45 AM	2262
Aroclor 1232	<0.0200	0.0200		mg/Kg-dry	1	10/22/2010 11:45 AM	2262
Aroclor 1242	<0.0200	0.0200		mg/Kg-dry	1	10/22/2010 11:45 AM	2262
Aroclor 1248	<0.0200	0.0200		mg/Kg-dry	1	10/22/2010 11:45 AM	2262
Aroclor 1254	<0.0200	0.0200		mg/Kg-dry	1	10/22/2010 11:45 AM	2262
Aroclor 1260	<0.0200	0.0200		mg/Kg-dry	1	10/22/2010 11:45 AM	2262
Surr: Tetrachloro-m-xylene	66.3	33.7-156		%REC	1	10/22/2010 11:45 AM	2262
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	17	1.0		wt%	1	10/21/2010 12:00 AM	R6578

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
	G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51st ST.

Report Date: October 25, 2010
Lab Order: 1010703

Client Sample ID: WASTE SCAN - 2
Lab ID: 1010703-040 **Date Received:** 10/14/2010 4:09 PM

Matrix: SOIL
Collection Date: 10/14/2010 12:00 AM

Parameter	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILES, TCLP LEACHED		Method: EPA-1311/8270C-Rev 3, Dec-96				Analyst: ls	
1,4-Dichlorobenzene	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
2,4,5-Trichlorophenol	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
2,4,6-Trichlorophenol	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
2,4-Dinitrotoluene	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
Hexachlorobenzene	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
Hexachlorobutadiene	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
Hexachloroethane	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
m,p-Cresol	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
Nitrobenzene	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
O-Cresol	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
Pentachlorophenol	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
Pyridine	<0.100	0.100		mg/L	1	10/22/2010 5:56 PM	2261
Surr: 2,4,6-Tribromophenol	66.4	10-190		%REC	1	10/22/2010 5:56 PM	2261
Surr: 2-Fluorobiphenyl	84.1	37.7-110		%REC	1	10/22/2010 5:56 PM	2261
Surr: 2-Fluorophenol	61.4	11.1-127		%REC	1	10/22/2010 5:56 PM	2261
Surr: Nitrobenzene-d5	76.4	27.2-110		%REC	1	10/22/2010 5:56 PM	2261
Surr: Phenol-d6	56.1	9.97-133		%REC	1	10/22/2010 5:56 PM	2261
METALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	<0.020	0.020		mg/L	1	10/21/2010 12:44 PM	2255
Barium	1.1	0.50		mg/L	1	10/21/2010 12:44 PM	2255
Cadmium	0.0050	0.0010	J	mg/L	1	10/21/2010 12:44 PM	2255
Chromium	0.0068	0.0050		mg/L	1	10/21/2010 12:44 PM	2255
Lead	0.22	0.0067		mg/L	1	10/21/2010 12:44 PM	2255
Selenium	<0.025	0.025		mg/L	1	10/21/2010 12:44 PM	2255
Silver	<0.0020	0.0020		mg/L	1	10/21/2010 12:44 PM	2255
PESTICIDES, TCLP LEACHED		Method: EPA-1311/8081A-Rev 1, Dec-96				Analyst: mn	
Chlordane	<0.005	0.005		mg/L	1	10/21/2010 8:18 PM	2260
Endrin	<0	0		mg/L	1	10/21/2010 8:18 PM	2260
gamma-BHC	<0	0		mg/L	1	10/21/2010 8:18 PM	2260
Heptachlor	<0	0		mg/L	1	10/21/2010 8:18 PM	2260
Heptachlor epoxide	<0	0		mg/L	1	10/21/2010 8:18 PM	2260
Methoxychlor	<0.002	0.002		mg/L	1	10/21/2010 8:18 PM	2260
Toxaphene	<0.010	0.010		mg/L	1	10/21/2010 8:18 PM	2260
Surr: Tetrachloro-m-xylene	63.6	21-128		%REC	1	10/21/2010 8:18 PM	2260
VOLATILES, TCLP LEACHED		Method: EPA-1311/8260B-Rev 2, Dec-96				Analyst: ts	
1,1-Dichloroethene	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
1,2-Dichloroethane	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
2-Butanone	<0.500	0.500		mg/L	100	10/22/2010 2:53 AM	2236

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

VOLATILES, TCLP LEACHED		Method: EPA-1311/8260B-Rev 2, Dec-96				Analyst: ts	
Benzene	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
Carbon tetrachloride	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
Chlorobenzene	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
Chloroform	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
Tetrachloroethene	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
Trichloroethene	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
Vinyl chloride	<0.100	0.100		mg/L	100	10/22/2010 2:53 AM	2236
Surr: 4-Bromofluorobenzene	100	70-130		%REC	100	10/22/2010 2:53 AM	2236
Surr: Dibromofluoromethane	99.2	70-130		%REC	100	10/22/2010 2:53 AM	2236
Surr: Toluene-d8	96.8	70-130		%REC	100	10/22/2010 2:53 AM	2236
MODIFIED 8015 VOLATILES		Method: EPA-8015B-Rev 2, Dec-96				Analyst: ls	
2-Ethoxyethanol	<55.9	55.9	c	mg/Kg-dry	0.92	10/22/2010 6:23 PM	R6635
Methanol	<1.12	1.12	c	mg/Kg-dry	0.92	10/22/2010 6:23 PM	R6635
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0200	0.0200		mg/Kg-dry	1	10/16/2010 2:25 AM	2184
Aroclor 1221	<0.0200	0.0200		mg/Kg-dry	1	10/16/2010 2:25 AM	2184
Aroclor 1232	<0.0200	0.0200		mg/Kg-dry	1	10/16/2010 2:25 AM	2184
Aroclor 1242	<0.0200	0.0200		mg/Kg-dry	1	10/16/2010 2:25 AM	2184
Aroclor 1248	<0.0200	0.0200		mg/Kg-dry	1	10/16/2010 2:25 AM	2184
Aroclor 1254	<0.0200	0.0200		mg/Kg-dry	1	10/16/2010 2:25 AM	2184
roclor 1260	<0.0200	0.0200		mg/Kg-dry	1	10/16/2010 2:25 AM	2184
Surr: Tetrachloro-m-xylene	62.5	33.7-156		%REC	1	10/16/2010 2:25 AM	2184
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
1,1,2-Trichloroethane	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
1,2-Dichlorobenzene	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
2-Butanone	0.0214	0.0119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
4-Methyl-2-pentanone	<0.0297	0.0297		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Acetone	0.143	0.0297		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Benzene	<0.000297	0.000297		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Carbon disulfide	0.00497	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Carbon tetrachloride	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Chlorobenzene	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Ethylbenzene	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
m,p-Xylene	<0.00238	0.00238		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Methylene chloride	0.0366	0.00595		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
o-Xylene	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Total Xylenes	0.00325	0.00238		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Tetrachloroethene	<0.00238	0.00238		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Toluene	0.0189	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Trichloroethene	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Trichlorofluoromethane	<0.00119	0.00119		mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Surr: 4-Bromofluorobenzene	68.7	61.55-121		%REC	0.98	10/20/2010 4:13 PM	R6516

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 25, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010703

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
Surr: Dibromofluoromethane	128	71.4-147		%REC	0.98	10/20/2010 4:13 PM	R6516
Surr: Toluene-d8	83.6	61-135		%REC	0.98	10/20/2010 4:13 PM	R6516
VOCS, EXTENDED ANALYTE LIST		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.006	0.006	c	mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
2-Nitropropane	<0.059	0.059	c	mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Cyclohexanone	<0.059	0.059	c	mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Diethyl ether	<0.006	0.006	c	mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Ethyl acetate	<0.006	0.006	c	mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Isobutanol	<0.059	0.059	c	mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
n-Butanol	<0.059	0.059	c	mg/Kg-dry	0.98	10/20/2010 4:13 PM	R6516
Surr: 4-Bromofluorobenzene	68.7	61.55-121		%REC	0.98	10/20/2010 4:13 PM	R6516
Surr: Dibromofluoromethane	128	71.4-147		%REC	0.98	10/20/2010 4:13 PM	R6516
Surr: Toluene-d8	83.6	61-135		%REC	0.98	10/20/2010 4:13 PM	R6516
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
m,p-Cresol	<0.303	0.303		mg/Kg-dry	1	10/20/2010 7:45 PM	2237
Nitrobenzene	<0.0605	0.0605		mg/Kg-dry	1	10/20/2010 7:45 PM	2237
o-Cresol	<0.303	0.303		mg/Kg-dry	1	10/20/2010 7:45 PM	2237
Pyridine	<0.303	0.303		mg/Kg-dry	1	10/20/2010 7:45 PM	2237
Surr: 2,4,6-Tribromophenol	74.4	0.1-136		%REC	1	10/20/2010 7:45 PM	2237
Surr: 2-Fluorobiphenyl	75.0	16.3-118		%REC	1	10/20/2010 7:45 PM	2237
Surr: 2-Fluorophenol	83.3	4.2-97		%REC	1	10/20/2010 7:45 PM	2237
Surr: 4-Terphenyl-d14	66.4	0.1-147		%REC	1	10/20/2010 7:45 PM	2237
Surr: Nitrobenzene-d5	69.5	0.1-119		%REC	1	10/20/2010 7:45 PM	2237
Surr: Phenol-d5	82.6	9.82-111		%REC	1	10/20/2010 7:45 PM	2237
CYANIDE, REACTIVE		Method:				Analyst: maa	
Reactive Cyanide	Attached	0.012		mg/Kg-dry	1	10/22/2010 12:00 AM	R6669
FLASH POINT, OPEN CUP		Method: ASTM-D92-Rev 2002b				Analyst: ll	
Flash Point	>212	0	c	°F	1	10/21/2010 3:49 PM	R6572
MERCURY BY CVAA, TCLP		Method: EPA-1311/7470A-Rev 1, Sep-94				Analyst: kjl	
Mercury	<0.0002	0.0002		mg/L	1	10/22/2010 3:46 PM	2283
PAINT FILTER		Method: EPA-9095A-Rev 1, Dec-96				Analyst: lb	
Free Liquids	Pass	0	c	Pass/Fail	1	10/21/2010 2:39 PM	R6564
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95				Analyst: lb	
pH	9.02	0		pH Units	1	10/19/2010 7:01 AM	R6453
PHENOLICS		Method: EPA-9065-Rev 0, Sep-86				Analyst: lb	
Phenolics, Total Recoverable	<0.298	0.298	c	mg/kg-dry	49.1	10/22/2010 11:53 AM	R6598
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	18	1.0		wt%	1	10/18/2010 12:00 AM	R6375
SULFIDE, REACTIVE		Method:				Analyst: maa	
Reactive Sulfide	Attached	1.21		mg/Kg-dry	1	10/20/2010 12:00 AM	R6669
HERBICIDES, TCLP LEACHED, SUBCONTRACTED TO STAT		Method: EPA-1311/8151A-Rev 1, Dec-96				Analyst: maa	
Silvex (2)	Attached	0.26			1	10/21/2010 12:00 AM	R6669
2,4-D	Attached	0.50			1	10/21/2010 12:00 AM	R6669

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

PREP DATES REPOR

Client: Pioneer Engineering & Environmental Services, Inc.
Project: 3434 W. 51st ST.

Report Date: October 25, 2010
Lab Order: 1010703

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010703-001A	10/14/10	2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
1010703-005A		2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
1010703-008A		2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
1010703-013A		2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
1010703-014A		2262	3550_PCB	SOLID PREP SONICATION: PCB		10/21/10
1010703-017A		2229	5035PR	CLOSED SYSTEM P&T VOC Prep		10/14/10
1010703-018A		2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
		2195	3550_TRPH	SOLID PREP SONICATION: TRPH		10/15/10
1010703-019A		2262	3550_PCB	SOLID PREP SONICATION: PCB		10/21/10
1010703-020A		2262	3550_PCB	SOLID PREP SONICATION: PCB		10/21/10
1010703-023A		2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
1010703-025A		2202	5035PR	CLOSED SYSTEM P&T VOC Prep		10/17/10
1010703-027A		2202	5035PR	CLOSED SYSTEM P&T VOC Prep		10/17/10
1010703-029A		2229	5035PR	CLOSED SYSTEM P&T VOC Prep		10/14/10
1010703-031A		2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
1010703-035A		2229	5035PR	CLOSED SYSTEM P&T VOC Prep		10/14/10
1010703-035C		2262	3550_PCB	SOLID PREP SONICATION: PCB		10/21/10
1010703-037A		2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
1010703-038A		2262	3550_PCB	SOLID PREP SONICATION: PCB		10/21/10
1010703-040A		2255	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		10/20/10
		2283	HG_TPR	MERCURY PREP for TCLP / SPLP		10/22/10
		2237	3550_B	SOLID PREP SONICATION: BNA		10/20/10
		2184	3550_PCB	SOLID PREP SONICATION: PCB		10/15/10
		2260	3510_P_T	TCLP AQ. PREP SEP FUNNEL: Pest		10/21/10
		2261	3510_B_T	TCLP AQ. PREP SEP FUNNEL: BNA		10/21/10
		2236	1311ZHE	TCLP SAMPLE PREP ZHE (VOCS)		10/19/10
		2233	1311LM	TCLP SAMPLE PREP (Metals)		10/19/10
		2235	1311LO	TCLP SAMPLE PREP (Organics)		10/19/10

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

October 22, 2010

Suburban Laboratories, Inc.
4140 Litt Drive
Hillside, IL 60162
Telephone: (708) 544-3260
Fax: (708) 544-8587

RE: 1010703 STAT Project No: 10100494

Dear Shane Clarke:

STAT Analysis received 2 samples for the referenced project on 10/15/2010 3:00:00 PM. The analytical results are presented in the following report.

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

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

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

Sincerely,

Catia Giannini
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: October 22, 2010

Client: Suburban Laboratories, Inc.
Project: 1010703
Lab Order: 10100494

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10100494-001A	1010703-018B		10/14/2010	10/15/2010
10100494-002A	1010703-040A		10/14/2010	10/15/2010

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Date Reported: October 22, 2010
Date Printed: October 22, 2010

Client: Suburban Laboratories, Inc.
Project: 1010703 Lab Order: 10100494

Lab ID: 10100494-001 Collection Date: 10/14/2010
Client Sample ID 1010703-018B Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Cyanide, Reactive	SW7.3.3.2			Prep Date: 10/22/2010		Analyst: YZ
Reactive Cyanide	ND	1		mg/Kg	1	10/22/2010
Sulfide, Reactive	SW7.3.4.2			Prep Date: 10/20/2010		Analyst: YZ
Reactive Sulfide	ND	10		mg/Kg	1	10/20/2010

Lab ID: 10100494-002 Collection Date: 10/14/2010
Client Sample ID 1010703-040A Matrix: Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Herbicides, TCLP Leached	SW1311/8321A (SW3510C)			Prep Date: 10/20/2010		Analyst: VS
2,4,5-TP (Silvex)	ND	0.001		mg/L	1	10/21/2010
2,4-D	ND	0.002		mg/L	1	10/21/2010
Cyanide, Reactive	SW7.3.3.2			Prep Date: 10/22/2010		Analyst: YZ
Reactive Cyanide	ND	1		mg/Kg	1	10/22/2010
Sulfide, Reactive	SW7.3.4.2			Prep Date: 10/20/2010		Analyst: YZ
Reactive Sulfide	ND	10		mg/Kg	1	10/20/2010

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

CHAIN OF CUSTODY RECORD

COC ID: PAGE: 1 OF: 1

ADDRESS
Suburban Laboratories, Inc.
3
Hillside, IL 60162
TEL: 708-544-3260
FAX: 708-544-8587
Website: www.SuburbanLabs.com

Please Include Email Address of Report Recipient Whenever Possible!!!

SUB CONTRATOR	STATANALYSIS	COMPANY	STAT Analysis
ADDRESS	2242 W. Harrison- Suite 200		
CITY, STATE, ZIP	Chicago, IL 60612		
PHONE	(312) 733-0551	FAX	(312) 733-2386
ACCOUNT #		EMAIL	

SPECIAL INSTRUCTIONS / COMMENTS: 1010494

ITEM #	SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	1010703-018B	4OZG	Soil	10/14/10		
	CN_REACTIVE_SUB (SW7.3.3.2), SU_REACTIVE_SUB (SW7.3.4.2)					
2	1010703-040A	9ozAMG	Soil	10/14/10		
	CN_REACTIVE_SUB (SW7.3.3.2), SU_REACTIVE_SUB (SW7.3.4.2), TCLP_Herb_Sub (SW8151A)					

5 Day TAT is fine.

Relinquished By	Date: 10/14/10	Time: 1500	Received By	Date: 10/15/10	Time: 1500
Relinquished By	Date:	Time:	Received By	Date:	Time
Relinquished By	Date:	Time:	Received By	Date:	Time:

TAT: Standard RUSH Next BD 2nd BD 3rd BD

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

HARDCOPY (extra cost) FAX EMAIL ONLINE

FOR LAB USE ONLY

Temp of samples 4.4 °C Attempt to Cool? YES

Comments:

STAT Analysis Corporation

Sample Receipt Checklist

Client Name SUBURBAN | Date and Time Received: 10/15/2010 3:00:00 PM

Work Order Number 10100494 | Received by: CC

Checklist completed by: [signature] Signature 10/15/10 Date | Reviewed by: KC Initials 10/18/10 Date

Matrix: | Carrier name | Client Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 4.4 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☒	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☒	pH Adjusted?

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

Comments:

Client / Person contacted: | Date contacted: | Contacted by:

Response:

Rpt Ver ID: 10/25/10 5:10:25 PM melissa

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel: 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

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Page 1 of 4

Company Name: Dronner

Company Address: 700 N Sacramento Blvd Ste 601

City: Chicago State: IL Zip: 60612

Phone: 773-722-9200 Fax: ☐ Fax Report

Email Address: dprentice@pioneerees.com Final Report will be emailed

Project ID / Location: 3434 W 51st Chicago

Project Manager (Report to): Dakota Prentice

Sample Collector(s) Name: D Prentice

TURNAROUND TIME REQUESTED

☐ Normal ☐ RUSH* *Additional Rush Charges Approved

*Date & Time Needed:

Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program (Required) ☐ None/Info Only

☐ LUST ☒ SRP ☐ SDWA

☐ 503 Sludge ☐ NPDES ☐ MWRDGC

☐ Disposal ☐ Other* *Please specify in comment section below

ANALYSIS & METHOD REQUESTED

Enter an "X" in box below for request

PO No.:

Shipping Method:

Reporting Level (at additional charge): 1 2 3 4

LAB USE ONLY

SLI ORDER No.: 1010703

Sample containers supplied by customer? ☐ Yes

Temperature of Received Samples: 6 °C

Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION "Use One Line Per Preservation & Container Type"	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	PCBs	Hold	R.	Condition	Split	LAB #
1	PB-52 (0-2.5)	10/14/10		S		1	9oz-G	None	X					14
2	PB-52 (2.5-5)	10/14/10		S		1	9oz-G	None		X				
3	PB-52 (5-7.5)	10/14/10		S		1	9oz-G	None		X				
4	PB-52 (7.5-10)	10/14/10		S		1	9oz-G	None		X				
5	PB-53 (0-2.5)	10/14/10		S		1	9oz-G	None	X					
6	PB-53 (2.5-5)	10/14/10		S		1	9oz-G	None		X				
7	PB-53 (5-7.5)	10/14/10		S		1	9oz-G	None		X				
8	PB-54 (0-2.5)	10/14/10		S		1	9oz-G	None	X					
9	PB-54 (2.5-5)	10/14/10		S		1	9oz-G	None		X				
10	PB-54 (5-7.5)	10/14/10		S		1	9oz-G	None		X				
11	PB-54 (7.5-10)	10/14/10		S		1	9oz-G	None		X				
12	PB-53 (7.5-10)	10/14/10		S		1	9oz-G	None		X				14

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH), NaOH, 500ml Bisulfate (NaS), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

PCBs - 2 day TAT

All other tests - 3 day (VOC, PNA, ~~TPH~~)

NORMAL TAT FOR TPH, REACTIVITY, IL GREEN SHEET, TCLP PEST

CONDITION CODES

1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
[signature]	10/14/10	[signature]	10/14/10				
Received By: [signature] ☐ Ice present	Time: 400	Received By: [signature] ☐ Ice present	Time: 1855	Received By: ☐ Ice present	Time:	Received By: ☐ Ice present	Time:

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel: 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

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PO No.

Shipping Method

Reporting Level (at additional charges) 1 2 3 4

LAB USE ONLY

SU ORDER No. 1010703

Sample containers supplied by customer? ☐ Yes

Temperature of Received Samples 6 °C

Samples received the same day as collection? ☐ Yes

Company Name: Dionex

Company Address: 700 N. Sacramento Blvd Ste 100

City: Chicago State: IL Zip: 60612

Phone: 773.722-9200 Fax: ☐ Fax Report

Email Address: dprentice@pioneerees.com Final Report will be emailed

Project ID / Location: 3434 W 51st, Chicago

Project Manager (Report to): Bulleta Prentice

Sample Collector(s) Name: D. Prentice

TURNAROUND TIME REQUESTED

☐ Normal ☐ RUSH* *Additional Rush Charges Approved

*Date & Time Needed:

Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only

☐ LUST ☐ SRP ☐ SDWA

☐ 503 Sludge ☐ NPDES ☐ MWRDGC

☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED

Enter an "X" in box below for request

	SAMPLE IDENTIFICATION "Use One Line Per Preservation & Container Type"	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	PCBs	VOCs	TPH 418.1	Reactivity - CN-RTA SU-RTA					Hold	R	Condition		LAB #
1	PB-55 (0-2.5)	10/14/10		S		1	9oz-G	None	X												13A
2	PB-55 (2.5-5)	10/14/10		S		1	9oz-G	None									X				
3	PB-55 (5-7.5)	10/14/10		S		1	9oz-G	None									X				
4	PB-55 (7.5-10)	10/14/10		S		1	9oz-G	None									X				16A
5	PB-56 (0-2.5)	10/14/10		S		3	40ml Vial	1-MeOH 2-None		X											17ABC
6	PB-56 (0-2.5)	10/14/10		S		1	9oz-G	None	X		X	X									18AB
7	PB-56 (2.5-5)	10/14/10		S		1	9oz-G	None									X				19ABC
8	PB-56 (5-7.5)	10/14/10		S		1	9oz-G	None									X				
9	PB-56 (7.5-10)	10/14/10		S		1	9oz-G	None									X				
10	PB-56 (5-7.5)	10/14/10		S		1	9oz-G	None									X				
11	PB-57 (0-2.5)	10/14/10		S		1	9oz-G	None	X												
12	PB-57 (~~[illegible]~~ 7.5-10)	10/14/10		S		1	9oz-G	None									X				22A

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 3oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH), NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES
1. Improper/damaged containers/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
[signature]	10/14/10	[signature]					
Received By [signature] ☐ Ice present	Time 400	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel: 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD # 87744

Page 3 of 4

Company Name: Dover
Company Address: 700 N. Sacramento Blvd. Ste. 101
City: Chicago State: IL Zip: 60612
Phone: 773.722.9200 Fax: ☐ Fax Report
Email address: dmontrose@dovercos.com Final Report will be emailed
Project(s) Location: 3234 W 51st Chicago
Project Manager (Report to): Dallas Renfroe
Sampler(s) (Collector(s)) Name: D. Renfroe

TURNAROUND TIME REQUESTED
☐ Normal ☐ RUSH* *Additional Rush Charges Approved
*Date & Time Needed: _____
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.
Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☒ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

PO No.:
Shipping Method:
Reporting Level (at additional charge): 1 2 3 4

LAB USE ONLY
SJ ORDER #: 101283
Sample containers supplied by container? ☐ Yes
Temperature of Received Samples: 6 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION "Use One Line Per Preservation & Container Type"	COLLECTION DATE	TIME	MATRIX	GRAB/ COMP	CONTAINERS Qty	SIZE & TYPE	PRESERVATIVE	R	Condition	Split	LAB #
1	PB-58 (7.5-10)	10/14/10		S		3	40ml-Vial	1-MeOH 2-Water	X			23AB
2	PB-58 (7.5-10)	10/14/10		S		1	902-G	None				23C
3	PB-58 (10-12.5)	10/14/10		S		3	40ml-Vial	1-MeOH 2-Water	X			24AB
4	PB-58 (10-12.5)	10/14/10		S		1	902-G	None				24C
5	PB-59 (7.5-10)	10/14/10		S		3	40ml-Vial	1-MeOH 2-Water	X			25AB
6	PB-59 (7.5-10)	10/14/10		S		1	902-G	None				25C
7	PB-60 (0-2.5)	10/14/10		S		1	902-G	None				26C
8	PB-60 (2.5-5)	10/14/10		S		1	902-G	None				
9	PB-60 (5-7.5)	10/14/10		S		1	902-G	None				
10	PB-60 (7.5-10)	10/14/10		S		1	902-G	None				
11	PB-60 (7.5-10)	10/14/10		S		3	40ml-Vial	1-MeOH 2-Water	X			27AB
12	PB-60 (10-12.5)	10/14/10		S		3	40ml-Vial	1-MeOH 2-Water				27C

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P). CONTAINER: 2oz. Jar, 8oz. Jar, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P). PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH), NaOH, Zn(Ac), Ascorbic (Asc), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10/14/10						
Received By ☐ Ice present	Time 1400	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. Rev. 01/2008 White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel: 708.544.3260 Fax: 708.544.6587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

87748

Page 4 of 4

Company Name: [illegible]

Company Address: 700 N Sacramento Blvd Ste 101

City: Chicago State: IL Zip: 60612

Phone: 773-722-9200 Fax: ☐ Fax Report

Email Address: [illegible] Final Report will be emailed

Project ID/Location: 3234 W 51st, Chicago

Project Manager (Report to): Dallas Rastio

Sample Collector(s) Name: D. Rastio

TURNAROUND TIME REQUESTED

☐ Normal ☐ RUSH* *Additional Rush Charges Approved.

*Date & Time Needed:

Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only

☐ LUST ☒ SRP ☐ SDWA

☐ 503 Sludge ☐ NPDES ☐ MWRDGC

☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED

Enter an "X" in box below for request

PO No.:

Shipping Method:

Reporting Level (at additional charge): 1 2 3 4

LAB USE ONLY

SLI ORDER No.: 1010703

Sample containers supplied by customer? ☐ Yes

Temperature of Received Samples: 6 °C

Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION "Use One Line Per Preservation & Container Type"	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	PCBs	Illinois Green Sheet	TCLP Pest/Herb	Hold	R	Condition	spl	LAB #
1	PB-61 (0-2.5)	10/14/10		S		1	9oz-G	None	X							37A
2	PB-61 (2.5-5)	10/14/10		S		1	9oz-G	None								38A
3	PB-61 (5-7.5)	10/14/10		S		1	9oz-G	None				X				[illegible]
4	Waste Scan-2	10/14/10		S		3	9oz-G	None		X	X					40AB
5		/ /														
6		/ /														
7		/ /														
8		/ /														
9		/ /														
10		/ /														
11		/ /														
12		/ /														

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P). CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P). PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH), NaOH, Sodium Bisulfite (NaBS), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

* TCLP VOC
TCLP 5 VOC
TCLP 8 RCRA METALS
CN-REA
SU-REA
FLASH POINT
PAINT FILTER
PH-10%
PHENOLS
PCB

CONDITION CODES

1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
[signature]	10/14/10	[signature]					
Received By: [signature] ☐ Ice present	Time: 4:00	Received By: ☐ Ice present	Time:	Received By: ☐ Ice present	Time:	Received By: ☐ Ice present	Time:

Submission of samples subject to Terms and Conditions on back.

Rev. 07/01/08

White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, Illinois 60162
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708-544-8587
www.suburbanlabs.com

October 28, 2010

Workorder: 1010757

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612

TEL: (773) 722-9200
FAX: (773) 722-9201
RE: 3434 W. 51st ST.

Dear Dakota Prentice:

Suburban Laboratories, Inc. received 13 sample(s) on 10/15/10 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Melissa Amador

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Case Narrative

Client: Pioneer Engineering & Environmental Servi
Date: October 28, 2010
Project: 3434 W. 51st ST.
PO #:
WorkOrder: 1010757
QC Level:
Temperature of samples upon receipt at SLI: 1 C
Chain of Custody #: 87712,87713

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:

This report supersedes the report dated 10/25/10.

Pesticides
Sample 1010757-008C: R=The MS & MSD Precision (26.43%) for 4,4'-DDD was greater than laboratory control

limits 18.5% RPD) and the MS & MSD Precision (20.54%) for delta-BHC was greater than laboratory control limits 17.3% RPD).

1010757-013A: Samples subcontracted to STAT Analysis Corp (312-733-0551) for some of the analysis requested. Their report is attached.

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

Client Sample ID: PB-62 (0-4)
Matrix: SOIL
Lab ID: 1010757-001
Date Received: 10/15/2010 3:45 PM
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	22.5	0.600		mg/Kg-dry	1	10/19/2010 3:37 PM	2224
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0177	0.0177		mg/Kg-dry	1	10/19/2010 3:20 AM	2205
Aroclor 1221	<0.0177	0.0177		mg/Kg-dry	1	10/19/2010 3:20 AM	2205
Aroclor 1232	<0.0177	0.0177		mg/Kg-dry	1	10/19/2010 3:20 AM	2205
Aroclor 1242	<0.0177	0.0177		mg/Kg-dry	1	10/19/2010 3:20 AM	2205
Aroclor 1248	<0.0177	0.0177		mg/Kg-dry	1	10/19/2010 3:20 AM	2205
Aroclor 1254	<0.0177	0.0177		mg/Kg-dry	1	10/19/2010 3:20 AM	2205
Aroclor 1260	<0.0177	0.0177		mg/Kg-dry	1	10/19/2010 3:20 AM	2205
Surr: Tetrachloro-m-xylene	57.5	33.7-156		%REC	1	10/19/2010 3:20 AM	2205
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	<0.423	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Acenaphthylene	<0.423	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Anthracene	<0.423	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Benzo(a)anthracene	1.11	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
enzo(a)pyrene	1.09	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Benzo(b)fluoranthene	1.48	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Benzo(g,h,i)perylene	0.712	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Benzo(k)fluoranthene	<0.423	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Chrysene	1.14	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Dibenzo(a,h)anthracene	<0.423	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Fluoranthene	1.65	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Fluorene	<0.423	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Indeno(1,2,3-cd)pyrene	0.593	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Naphthalene	<0.423	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Phenanthrene	0.739	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Pyrene	1.65	0.423		mg/Kg-dry	10	10/19/2010 2:12 AM	2188
Surr: 2-Fluorobiphenyl	80.2	59.3-135		%REC	10	10/19/2010 2:12 AM	2188
Surr: 4-Terphenyl-d14	56.7	51.4-151		%REC	10	10/19/2010 2:12 AM	2188
Surr: Nitrobenzene-d5	78.7	50.6-126		%REC	10	10/19/2010 2:12 AM	2188
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	7.680	0		wt%	1	10/18/2010 1:00 PM	R6474
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	5.4	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51st ST.

Report Date: October 28, 2010
Lab Order: 1010757

Client Sample ID: PB-63 (0-4)
Lab ID: 1010757-003 **Date Received:** 10/15/2010 3:45 PM

Matrix: SOIL
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	98.6	0.571		mg/Kg-dry	1	10/19/2010 3:43 PM	2224
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0183	0.0183		mg/Kg-dry	1	10/19/2010 3:38 AM	2205
Aroclor 1221	<0.0183	0.0183		mg/Kg-dry	1	10/19/2010 3:38 AM	2205
Aroclor 1232	<0.0183	0.0183		mg/Kg-dry	1	10/19/2010 3:38 AM	2205
Aroclor 1242	<0.0183	0.0183		mg/Kg-dry	1	10/19/2010 3:38 AM	2205
Aroclor 1248	<0.0183	0.0183		mg/Kg-dry	1	10/19/2010 3:38 AM	2205
Aroclor 1254	<0.0183	0.0183		mg/Kg-dry	1	10/19/2010 3:38 AM	2205
Aroclor 1260	<0.0183	0.0183		mg/Kg-dry	1	10/19/2010 3:38 AM	2205
Surr: Tetrachloro-m-xylene	72.5	33.7-156		%REC	1	10/19/2010 3:38 AM	2205
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	9.604	0		wt%	1	10/18/2010 1:00 PM	R6474
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	8.8	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Client Sample ID: PB-64 (0-4)
Lab ID: 1010757-004 **Date Received:** 10/15/2010 3:45 PM

Matrix: SOIL
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	335	0.561		mg/Kg-dry	1	10/19/2010 3:49 PM	2224
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0198	0.0198		mg/Kg-dry	1	10/19/2010 3:57 AM	2205
Aroclor 1221	<0.0198	0.0198		mg/Kg-dry	1	10/19/2010 3:57 AM	2205
Aroclor 1232	<0.0198	0.0198		mg/Kg-dry	1	10/19/2010 3:57 AM	2205
Aroclor 1242	<0.0198	0.0198		mg/Kg-dry	1	10/19/2010 3:57 AM	2205
Aroclor 1248	<0.0198	0.0198		mg/Kg-dry	1	10/19/2010 3:57 AM	2205
Aroclor 1254	0.0834	0.0198		mg/Kg-dry	1	10/19/2010 3:57 AM	2205
Aroclor 1260	<0.0198	0.0198		mg/Kg-dry	1	10/19/2010 3:57 AM	2205
Surr: Tetrachloro-m-xylene	76.3	33.7-156		%REC	1	10/19/2010 3:57 AM	2205
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	13.03	0		wt%	1	10/18/2010 1:00 PM	R6474

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
	G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

Client Sample ID: PB-64 (4-8)
Matrix: SOIL
Lab ID: 1010757-005
Date Received: 10/15/2010 3:45 PM
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0197	0.0197		mg/Kg-dry	1	10/28/2010 3:11 PM	2360
Aroclor 1221	<0.0197	0.0197		mg/Kg-dry	1	10/28/2010 3:11 PM	2360
Aroclor 1232	<0.0197	0.0197		mg/Kg-dry	1	10/28/2010 3:11 PM	2360
Aroclor 1242	<0.0197	0.0197		mg/Kg-dry	1	10/28/2010 3:11 PM	2360
Aroclor 1248	<0.0197	0.0197		mg/Kg-dry	1	10/28/2010 3:11 PM	2360
Aroclor 1254	<0.0197	0.0197		mg/Kg-dry	1	10/28/2010 3:11 PM	2360
Aroclor 1260	<0.0197	0.0197		mg/Kg-dry	1	10/28/2010 3:11 PM	2360
Surr: Tetrachloro-m-xylene	61.3	33.7-156		%REC	1	10/28/2010 3:11 PM	2360
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	17	1.0		wt%	1	10/27/2010 12:00 AM	R6731

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
	G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
	ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544 3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

Client Sample ID: PB-65 (0-4)
Matrix: SOIL
Lab ID: 1010757-006
Date Received: 10/15/2010 3:45 PM
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	30.7	0.561		mg/Kg-dry	1	10/19/2010 3:55 PM	2224
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0175	0.0175		mg/Kg-dry	1	10/19/2010 4:15 AM	2205
Aroclor 1221	<0.0175	0.0175		mg/Kg-dry	1	10/19/2010 4:15 AM	2205
Aroclor 1232	<0.0175	0.0175		mg/Kg-dry	1	10/19/2010 4:15 AM	2205
Aroclor 1242	<0.0175	0.0175		mg/Kg-dry	1	10/19/2010 4:15 AM	2205
Aroclor 1248	<0.0175	0.0175		mg/Kg-dry	1	10/19/2010 4:15 AM	2205
Aroclor 1254	<0.0175	0.0175		mg/Kg-dry	1	10/19/2010 4:15 AM	2205
Aroclor 1260	<0.0175	0.0175		mg/Kg-dry	1	10/19/2010 4:15 AM	2205
Surr: Tetrachloro-m-xylene	63.8	33.7-156		%REC	1	10/19/2010 4:15 AM	2205
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
1,1,2,2-Tetrachloroethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
1,1,2-Trichloroethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
1,1-Dichloroethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
,1-Dichloroethene	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
1,2-Dichloroethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
1,2-Dichloropropane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
2-Butanone	<0.461	0.461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
2-Hexanone	<1.15	1.15		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
4-Methyl-2-pentanone	<1.15	1.15		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Acetone	<1.15	1.15		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Benzene	0.262	0.0115		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Bromodichloromethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Bromoform	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Bromomethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Carbon disulfide	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Carbon tetrachloride	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Chlorobenzene	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Chloroethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Chloroform	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Chloromethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
cis-1,2-Dichloroethene	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
cis-1,3-Dichloropropene	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Dibromochloromethane	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Ethylbenzene	0.605	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
m,p-Xylene	0.310	0.0922		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Methyl tert-butyl ether	<0.0461	0.0461		mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ts	
Methylene chloride	<0.230	0.230	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
o-Xylene	0.104	0.0461	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Total Xylenes	0.413	0.0922	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Styrene	<0.0461	0.0461	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Tetrachloroethene	<0.0922	0.0922	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Toluene	0.0756	0.0461	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
trans-1,2-Dichloroethene	<0.0461	0.0461	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
trans-1,3-Dichloropropene	<0.0461	0.0461	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Trichloroethene	<0.0461	0.0461	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Vinyl chloride	<0.0461	0.0461	mg/Kg-dry	44.09	10/19/2010 3:37 PM	R6507
Surr: 4-Bromofluorobenzene	106	85.9-111	%REC	44.09	10/19/2010 3:37 PM	R6507
Surr: Dibromofluoromethane	93.1	87.5-113	%REC	44.09	10/19/2010 3:37 PM	R6507
Surr: Toluene-d8	97.1	83.3-121	%REC	44.09	10/19/2010 3:37 PM	R6507
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Acenaphthene	0.924	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Acenaphthylene	<0.416	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Anthracene	0.703	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Benzo(a)anthracene	0.979	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Benzo(a)pyrene	0.858	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Benzo(b)fluoranthene	1.18	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
enzo(g,h,i)perylene	0.486	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Benzo(k)fluoranthene	0.471	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Chrysene	1.06	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Dibenzo(a,h)anthracene	<0.416	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Fluoranthene	2.25	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Fluorene	1.75	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Indeno(1,2,3-cd)pyrene	0.425	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Naphthalene	3.02	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Phenanthrene	5.55	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Pyrene	2.02	0.416	mg/Kg-dry	10	10/19/2010 1:35 AM	2188
Surr: 2-Fluorobiphenyl	76.1	59.3-135	%REC	10	10/19/2010 1:35 AM	2188
Surr: 4-Terphenyl-d14	56.3	51.4-151	%REC	10	10/19/2010 1:35 AM	2188
Surr: Nitrobenzene-d5	93.5	50.6-126	%REC	10	10/19/2010 1:35 AM	2188
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994			Analyst: dc	
ICP Specific Percent Moisture	4.720	0	wt%	1	10/18/2010 1:00 PM	R6474
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	4.3	1.0	wt%	1	10/18/2010 12:00 AM	R6446

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51st ST.

Report Date: October 28, 2010
Lab Order: 1010757

Client Sample ID: PB-66 (0-4)
Lab ID: 1010757-007 **Date Received:** 10/15/2010 3:45 PM

Matrix: SOIL
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	27.8	0.588		mg/Kg-dry	1	10/19/2010 4:01 PM	2224
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0174	0.0174		mg/Kg-dry	1	10/19/2010 4:34 AM	2205
Aroclor 1221	<0.0174	0.0174		mg/Kg-dry	1	10/19/2010 4:34 AM	2205
Aroclor 1232	<0.0174	0.0174		mg/Kg-dry	1	10/19/2010 4:34 AM	2205
Aroclor 1242	<0.0174	0.0174		mg/Kg-dry	1	10/19/2010 4:34 AM	2205
Aroclor 1248	<0.0174	0.0174		mg/Kg-dry	1	10/19/2010 4:34 AM	2205
Aroclor 1254	<0.0174	0.0174		mg/Kg-dry	1	10/19/2010 4:34 AM	2205
Aroclor 1260	<0.0174	0.0174		mg/Kg-dry	1	10/19/2010 4:34 AM	2205
Surr: Tetrachloro-m-xylene	70.0	33.7-156		%REC	1	10/19/2010 4:34 AM	2205
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	3.495	0		wt%	1	10/18/2010 1:00 PM	R6474
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	4.1	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Qualifiers:

*	Value exceeds Maximum Contaminant Level
c	Analyte not in SLI scope of accreditation
G	Refer to case narrative page for specific comments
J	Analyte detected below quantitation limit (QL)
ND	Not Detected at the Reporting Limit
B	Analyte detected in the associated Method Blank
E	Estimated, detected above quantitation range
H	Holding times for preparation or analysis exceeded
N	Tentatively identified compounds
R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

Client Sample ID: PB-66 (4-8)
Matrix: SOIL
Lab ID: 1010757-008
Date Received: 10/15/2010 3:45 PM
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.00204	0.00204	R	mg/Kg-dry	1	10/22/2010 5:35 PM	2242
4,4-DDE	<0.00204	0.00204		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
4,4-DDT	<0.00204	0.00204		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Aldrin	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
alpha-BHC	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
alpha-Chlordane	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
beta-BHC	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Chlordane	<0.0203	0.0203		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
delta-BHC	<0.00102	0.00102	R	mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Dieldrin	<0.00204	0.00204		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Endosulfan I	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Endosulfan II	<0.00204	0.00204		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Endosulfan sulfate	<0.00204	0.00204		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Endrin	<0.00204	0.00204		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Endrin aldehyde	<0.00204	0.00204		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
ndrin ketone	<0.00204	0.00204		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
gamma-BHC	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
gamma-Chlordane	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Heptachlor	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Heptachlor epoxide	<0.00102	0.00102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Methoxychlor	<0.0102	0.0102		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Toxaphene	<0.0406	0.0406		mg/Kg-dry	1	10/22/2010 5:35 PM	2242
Surr: Tetrachloro-m-xylene	72.0	33.7-156		%REC	1	10/22/2010 5:35 PM	2242
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0204	0.0204		mg/Kg-dry	1	10/19/2010 4:52 AM	2205
Aroclor 1221	<0.0204	0.0204		mg/Kg-dry	1	10/19/2010 4:52 AM	2205
Aroclor 1232	<0.0204	0.0204		mg/Kg-dry	1	10/19/2010 4:52 AM	2205
Aroclor 1242	<0.0204	0.0204		mg/Kg-dry	1	10/19/2010 4:52 AM	2205
Aroclor 1248	<0.0204	0.0204		mg/Kg-dry	1	10/19/2010 4:52 AM	2205
Aroclor 1254	<0.0204	0.0204		mg/Kg-dry	1	10/19/2010 4:52 AM	2205
Aroclor 1260	<0.0204	0.0204		mg/Kg-dry	1	10/19/2010 4:52 AM	2205
Surr: Tetrachloro-m-xylene	85.0	33.7-156		%REC	1	10/19/2010 4:52 AM	2205
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.000842	0.000842		mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
1,1,2,2-Tetrachloroethane	<0.000842	0.000842		mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
1,1,2-Trichloroethane	<0.000842	0.000842		mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
1,1-Dichloroethane	<0.000842	0.000842		mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
1,1-Dichloroethene	<0.000842	0.000842		mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517

Qualifiers:

*	Value exceeds Maximum Contaminant Level
c	Analyte not in SLI scope of accreditation
G	Refer to case narrative page for specific comments
J	Analyte detected below quantitation limit (QL)
ND	Not Detected at the Reporting Limit
B	Analyte detected in the associated Method Blank
E	Estimated, detected above quantitation range
H	Holding times for preparation or analysis exceeded
N	Tentatively identified compounds
R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ts	
1,2-Dichloroethane	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
1,2-Dichloropropane	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
2-Butanone	<0.00842	0.00842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
2-Hexanone	<0.0211	0.0211	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
4-Methyl-2-pentanone	<0.0211	0.0211	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Acetone	<0.0211	0.0211	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Benzene	<0.000211	0.000211	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Bromodichloromethane	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Bromoform	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Bromomethane	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Carbon disulfide	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Carbon tetrachloride	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Chlorobenzene	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Chloroethane	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Chloroform	0.00184	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Chloromethane	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
cis-1,2-Dichloroethene	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
cis-1,3-Dichloropropene	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Dibromochloromethane	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Ethylbenzene	0.00327	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
m,p-Xylene	0.00840	0.00168	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Methyl tert-butyl ether	0.00341	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Methylene chloride	0.0214	0.00421	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
o-Xylene	0.00181	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Total Xylenes	0.0102	0.00168	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Styrene	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Tetrachloroethene	<0.00168	0.00168	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Toluene	0.0441	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
trans-1,2-Dichloroethene	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
trans-1,3-Dichloropropene	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Trichloroethene	0.00266	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Vinyl chloride	<0.000842	0.000842	mg/Kg-dry	0.69	10/19/2010 5:36 PM	R6517
Surr: 4-Bromofluorobenzene	80.6	61.55-121	%REC	0.69	10/19/2010 5:36 PM	R6517
Surr: Dibromofluoromethane	115	71.4-147	%REC	0.69	10/19/2010 5:36 PM	R6517
Surr: Toluene-d8	97.3	61-135	%REC	0.69	10/19/2010 5:36 PM	R6517
SEMIVOLATILE ORGANICS (BNAS)		**Method: EPA-8270C-Rev 3, Dec-96**			**Analyst: ls**	
1,2,4-Trichlorobenzene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
1,2-Dichlorobenzene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
1,3-Dichlorobenzene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
1,4-Dichlorobenzene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2,4,5-Trichlorophenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2,4,6-Trichlorophenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2,4-Dichlorophenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

SEMIVOLATILE ORGANICS (BNAS)			Method: EPA-8270C-Rev 3, Dec-96		Analyst: ls	
2,4-Dimethylphenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2,4-Dinitrophenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2,4-Dinitrotoluene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2,6-Dinitrotoluene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2-Chloronaphthalene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2-Chlorophenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2-Methylnaphthalene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2-Nitroaniline	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
2-Nitrophenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
3,3-Dichlorobenzidine	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
3-Nitroaniline	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
4,6-Dinitro-2-methylphenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
4-Bromophenyl phenyl ether	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
4-Chloro-3-methylphenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
4-Chloroaniline	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
4-Chlorophenyl phenyl ether	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
4-Nitroaniline	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
4-Nitrophenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Acenaphthene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Acenaphthylene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
nthracene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Benzo(a)anthracene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Benzo(a)pyrene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Benzo(b)fluoranthene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Benzo(g,h,i)perylene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Benzo(k)fluoranthene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Bis(2-chloroethoxy)methane	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Bis(2-chloroethyl)ether	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Bis(2-chloroisopropyl)ether	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Bis(2-ethylhexyl)phthalate	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Butyl benzyl phthalate	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Carbazole	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Chrysene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Dibenzo(a,h)anthracene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Dibenzofuran	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Diethyl phthalate	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Dimethyl phthalate	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Di-n-butyl phthalate	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Di-n-octyl phthalate	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Fluoranthene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Fluorene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Hexachlorobenzene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Hexachlorobutadiene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I **Report Date:** October 28, 2010
Project Name: 3434 W. 51st ST. **Lab Order:** 1010757

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Hexachlorocyclopentadiene	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Hexachloroethane	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Indeno(1,2,3-cd)pyrene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Isophorone	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
m,p-Cresol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Naphthalene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Nitrobenzene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
N-Nitrosodi-n-propylamine	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
N-Nitrosodiphenylamine	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
o-Cresol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Pentachlorophenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Phenanthrene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Phenol	<0.305	0.305	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Pyrene	<0.0610	0.0610	mg/Kg-dry	1	10/20/2010 8:23 PM	2237
Surr: 2,4,6-Tribromophenol	69.0	0.1-136	%REC	1	10/20/2010 8:23 PM	2237
Surr: 2-Fluorobiphenyl	81.1	16.3-118	%REC	1	10/20/2010 8:23 PM	2237
Surr: 2-Fluorophenol	86.3	4.2-97	%REC	1	10/20/2010 8:23 PM	2237
Surr: 4-Terphenyl-d14	60.9	0.1-147	%REC	1	10/20/2010 8:23 PM	2237
Surr: Nitrobenzene-d5	71.8	0.1-119	%REC	1	10/20/2010 8:23 PM	2237
Surr: Phenol-d5	87.7	9.82-111	%REC	1	10/20/2010 8:23 PM	2237
GANIC MATTER & ORGANIC CARBON CONTENT		Method: ASTM-D2974-Rev 2000			Analyst: ma	
-OM-Organic Matter (@ 440 C)	0.0334	0.00100	g/g	1	10/21/2010 12:00 AM	R6530
FOC-Organic Carbon (0.58 Factor)	0.0194	0.00100	g/g	1	10/21/2010 12:00 AM	R6530
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	18	1.0	wt%	1	10/18/2010 12:00 AM	R6446

Client Sample ID: PB-67 (0-4) **Matrix:** SOIL
Lab ID: 1010757-009 **Date Received:** 10/15/2010 3:45 PM **Collection Date:** 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0205	0.0205		mg/Kg-dry	1	10/19/2010 5:11 AM	2205
Aroclor 1221	<0.0205	0.0205		mg/Kg-dry	1	10/19/2010 5:11 AM	2205
Aroclor 1232	<0.0205	0.0205		mg/Kg-dry	1	10/19/2010 5:11 AM	2205
Aroclor 1242	<0.0205	0.0205		mg/Kg-dry	1	10/19/2010 5:11 AM	2205
Aroclor 1248	<0.0205	0.0205		mg/Kg-dry	1	10/19/2010 5:11 AM	2205
Aroclor 1254	<0.0205	0.0205		mg/Kg-dry	1	10/19/2010 5:11 AM	2205
Aroclor 1260	<0.0205	0.0205		mg/Kg-dry	1	10/19/2010 5:11 AM	2205
Surr: Tetrachloro-m-xylene	58.8	33.7-156		%REC	1	10/19/2010 5:11 AM	2205
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	18	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544 3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

Client Sample ID: PB-67 (4-8)
Matrix: SOIL
Lab ID: 1010757-010
Date Received: 10/15/2010 3:45 PM
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0192	0.0192		mg/Kg-dry	1	10/28/2010 3:29 PM	2360
Aroclor 1221	<0.0192	0.0192		mg/Kg-dry	1	10/28/2010 3:29 PM	2360
Aroclor 1232	<0.0192	0.0192		mg/Kg-dry	1	10/28/2010 3:29 PM	2360
Aroclor 1242	<0.0192	0.0192		mg/Kg-dry	1	10/28/2010 3:29 PM	2360
Aroclor 1248	<0.0192	0.0192		mg/Kg-dry	1	10/28/2010 3:29 PM	2360
Aroclor 1254	<0.0192	0.0192		mg/Kg-dry	1	10/28/2010 3:29 PM	2360
Aroclor 1260	<0.0192	0.0192		mg/Kg-dry	1	10/28/2010 3:29 PM	2360
Surr: Tetrachloro-m-xylene	70.0	33.7-156		%REC	1	10/28/2010 3:29 PM	2360
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	15	1.0		wt%	1	10/27/2010 12:00 AM	R6731

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544 3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51st ST.
Report Date: October 28, 2010
Lab Order: 1010757

Client Sample ID: PB-68 (0-4)
Lab ID: 1010757-011
Date Received: 10/15/2010 3:45 PM
Matrix: SOIL
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	46.9	0.583		mg/Kg-dry	1	10/19/2010 4:06 PM	2224
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0195	0.0195		mg/Kg-dry	1	10/19/2010 5:30 AM	2205
Aroclor 1221	<0.0195	0.0195		mg/Kg-dry	1	10/19/2010 5:30 AM	2205
Aroclor 1232	<0.0195	0.0195		mg/Kg-dry	1	10/19/2010 5:30 AM	2205
Aroclor 1242	<0.0195	0.0195		mg/Kg-dry	1	10/19/2010 5:30 AM	2205
Aroclor 1248	<0.0195	0.0195		mg/Kg-dry	1	10/19/2010 5:30 AM	2205
Aroclor 1254	<0.0195	0.0195		mg/Kg-dry	1	10/19/2010 5:30 AM	2205
Aroclor 1260	<0.0195	0.0195		mg/Kg-dry	1	10/19/2010 5:30 AM	2205
Surr: Tetrachloro-m-xylene	57.5	33.7-156		%REC	1	10/19/2010 5:30 AM	2205
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	<0.0461	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Acenaphthylene	<0.0461	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Anthracene	<0.0461	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Benzo(a)anthracene	0.118	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Benzo(a)pyrene	0.106	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Benzo(b)fluoranthene	0.143	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Benzo(g,h,i)perylene	0.0599	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Benzo(k)fluoranthene	0.0593	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Chrysene	0.122	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Dibenzo(a,h)anthracene	<0.0461	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Fluoranthene	0.218	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Fluorene	<0.0461	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Indeno(1,2,3-cd)pyrene	0.0558	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Naphthalene	<0.0461	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Phenanthrene	0.0984	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Pyrene	0.220	0.0461		mg/Kg-dry	1	10/18/2010 10:30 PM	2188
Surr: 2-Fluorobiphenyl	103	59.3-135		%REC	1	10/18/2010 10:30 PM	2188
Surr: 4-Terphenyl-d14	78.4	51.4-151		%REC	1	10/18/2010 10:30 PM	2188
Surr: Nitrobenzene-d5	101	50.6-126		%REC	1	10/18/2010 10:30 PM	2188
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	19.04	0		wt%	1	10/18/2010 1:00 PM	R6474
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	14	1.0		wt%	1	10/18/2010 12:00 AM	R6446

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

Client Sample ID: PB-68 (4-8)
Matrix: SOIL
Lab ID: 1010757-012
Date Received: 10/15/2010 3:45 PM
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0200	0.0200		mg/Kg-dry	1	10/28/2010 3:51 PM	2360
Aroclor 1221	<0.0200	0.0200		mg/Kg-dry	1	10/28/2010 3:51 PM	2360
Aroclor 1232	<0.0200	0.0200		mg/Kg-dry	1	10/28/2010 3:51 PM	2360
Aroclor 1242	<0.0200	0.0200		mg/Kg-dry	1	10/28/2010 3:51 PM	2360
Aroclor 1248	<0.0200	0.0200		mg/Kg-dry	1	10/28/2010 3:51 PM	2360
Aroclor 1254	<0.0200	0.0200		mg/Kg-dry	1	10/28/2010 3:51 PM	2360
Aroclor 1260	<0.0200	0.0200		mg/Kg-dry	1	10/28/2010 3:51 PM	2360
Surr: Tetrachloro-m-xylene	71.3	33.7-156		%REC	1	10/28/2010 3:51 PM	2360
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	17	1.0		wt%	1	10/27/2010 12:00 AM	R6731

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

Client Sample ID: WASTE SCAN-1
Matrix: SOIL
Lab ID: 1010757-013
Date Received: 10/15/2010 3:45 PM
Collection Date: 10/15/2010 12:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILES, TCLP LEACHED		Method: EPA-1311/8270C-Rev 3, Dec-96				Analyst: ls	
1,4-Dichlorobenzene	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
2,4,5-Trichlorophenol	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
2,4,6-Trichlorophenol	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
2,4-Dinitrotoluene	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
Hexachlorobenzene	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
Hexachlorobutadiene	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
Hexachloroethane	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
m,p-Cresol	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
Nitrobenzene	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
O-Cresol	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
Pentachlorophenol	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
Pyridine	<0.100	0.100		mg/L	1	10/22/2010 6:34 PM	2261
Surr: 2,4,6-Tribromophenol	58.1	10-190		%REC	1	10/22/2010 6:34 PM	2261
Surr: 2-Fluorobiphenyl	76.1	37.7-110		%REC	1	10/22/2010 6:34 PM	2261
Surr: 2-Fluorophenol	58.9	11.1-127		%REC	1	10/22/2010 6:34 PM	2261
Surr: Nitrobenzene-d5	65.6	27.2-110		%REC	1	10/22/2010 6:34 PM	2261
Surr: Phenol-d6	54.3	9.97-133		%REC	1	10/22/2010 6:34 PM	2261
METALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	<0.020	0.020		mg/L	1	10/21/2010 1:00 PM	2255
Barium	0.51	0.50		mg/L	1	10/21/2010 1:00 PM	2255
Cadmium	0.0085	0.0010		mg/L	1	10/21/2010 1:00 PM	2255
Chromium	<0.0050	0.0050		mg/L	1	10/21/2010 1:00 PM	2255
Lead	0.29	0.0067		mg/L	1	10/21/2010 1:00 PM	2255
Selenium	<0.025	0.025		mg/L	1	10/21/2010 1:00 PM	2255
Silver	<0.0020	0.0020		mg/L	1	10/21/2010 1:00 PM	2255
PESTICIDES, TCLP LEACHED		Method: EPA-1311/8081A-Rev 1, Dec-96				Analyst: mn	
Chlordane	<0.005	0.005		mg/L	1	10/21/2010 8:55 PM	2260
Endrin	<0	0		mg/L	1	10/21/2010 8:55 PM	2260
gamma-BHC	<0	0		mg/L	1	10/21/2010 8:55 PM	2260
Heptachlor	<0	0		mg/L	1	10/21/2010 8:55 PM	2260
Heptachlor epoxide	<0	0		mg/L	1	10/21/2010 8:55 PM	2260
Methoxychlor	<0.002	0.002		mg/L	1	10/21/2010 8:55 PM	2260
Toxaphene	<0.010	0.010		mg/L	1	10/21/2010 8:55 PM	2260
Surr: Tetrachloro-m-xylene	74.3	21-128		%REC	1	10/21/2010 8:55 PM	2260
VOLATILES, TCLP LEACHED		Method: EPA-1311/8260B-Rev 2, Dec-96				Analyst: ts	
1,1-Dichloroethene	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
1,2-Dichloroethane	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
2-Butanone	<0.500	0.500		mg/L	100	10/22/2010 3:33 AM	2236

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

VOLATILES, TCLP LEACHED		Method: EPA-1311/8260B-Rev 2, Dec-96				Analyst: ts	
Benzene	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
Carbon tetrachloride	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
Chlorobenzene	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
Chloroform	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
Tetrachloroethene	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
Trichloroethene	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
Vinyl chloride	<0.100	0.100		mg/L	100	10/22/2010 3:33 AM	2236
Surr: 4-Bromofluorobenzene	99.4	70-130		%REC	100	10/22/2010 3:33 AM	2236
Surr: Dibromofluoromethane	100	70-130		%REC	100	10/22/2010 3:33 AM	2236
Surr: Toluene-d8	99.1	70-130		%REC	100	10/22/2010 3:33 AM	2236
MODIFIED 8015 VOLATILES		Method: EPA-8015B-Rev 2, Dec-96				Analyst: ls	
2-Ethoxyethanol	<60.7	60.7	c	mg/Kg-dry	0.92	10/22/2010 6:42 PM	R6635
Methanol	<1.21	1.21	c	mg/Kg-dry	0.92	10/22/2010 6:42 PM	R6635
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0220	0.0220		mg/Kg-dry	1	10/19/2010 5:48 AM	2205
Aroclor 1221	<0.0220	0.0220		mg/Kg-dry	1	10/19/2010 5:48 AM	2205
Aroclor 1232	<0.0220	0.0220		mg/Kg-dry	1	10/19/2010 5:48 AM	2205
Aroclor 1242	<0.0220	0.0220		mg/Kg-dry	1	10/19/2010 5:48 AM	2205
Aroclor 1248	<0.0220	0.0220		mg/Kg-dry	1	10/19/2010 5:48 AM	2205
Aroclor 1254	<0.0220	0.0220		mg/Kg-dry	1	10/19/2010 5:48 AM	2205
roclor 1260	<0.0220	0.0220		mg/Kg-dry	1	10/19/2010 5:48 AM	2205
Surr: Tetrachloro-m-xylene	65.0	33.7-156		%REC	1	10/19/2010 5:48 AM	2205
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
1,1,2-Trichloroethane	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
1,2-Dichlorobenzene	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
2-Butanone	<0.689	0.689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
4-Methyl-2-pentanone	<1.72	1.72		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Acetone	<1.72	1.72		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Benzene	<0.0172	0.0172		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Carbon disulfide	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Carbon tetrachloride	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Chlorobenzene	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Ethylbenzene	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
m,p-Xylene	<0.138	0.138		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Methylene chloride	<0.344	0.344		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
o-Xylene	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Total Xylenes	<0.138	0.138		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Tetrachloroethene	<0.138	0.138		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Toluene	0.161	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Trichloroethene	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Trichlorofluoromethane	<0.0689	0.0689		mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Surr: 4-Bromofluorobenzene	104	85.9-111		%REC	52.23	10/19/2010 2:25 PM	R6507

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: October 28, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010757

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
Surr: Dibromofluoromethane	93.1	87.5-113		%REC	52.23	10/19/2010 2:25 PM	R6507
Surr: Toluene-d8	97.4	83.3-121		%REC	52.23	10/19/2010 2:25 PM	R6507
VOCS, EXTENDED ANALYTE LIST		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,2-Trichloro-1,2,2-Trifluoroethane	<0.344	0.344	c	mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
2-Nitropropane	<3.44	3.44	c	mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Cyclohexanone	<3.44	3.44	c	mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Diethyl ether	<0.344	0.344	c	mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Ethyl acetate	<0.344	0.344	c	mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Isobutanol	<3.44	3.44	c	mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
n-Butanol	7.60	3.44	c	mg/Kg-dry	52.23	10/19/2010 2:25 PM	R6507
Surr: 4-Bromofluorobenzene	104	87.2-109.4		%REC	52.23	10/19/2010 2:25 PM	R6507
Surr: Dibromofluoromethane	93.1	86.5-116.4		%REC	52.23	10/19/2010 2:25 PM	R6507
Surr: Toluene-d8	97.4	69.6-139		%REC	52.23	10/19/2010 2:25 PM	R6507
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
m,p-Cresol	<0.329	0.329		mg/Kg-dry	1	10/20/2010 9:01 PM	2237
Nitrobenzene	<0.0659	0.0659		mg/Kg-dry	1	10/20/2010 9:01 PM	2237
o-Cresol	<0.329	0.329		mg/Kg-dry	1	10/20/2010 9:01 PM	2237
Pyridine	<0.329	0.329		mg/Kg-dry	1	10/20/2010 9:01 PM	2237
Surr: 2,4,6-Tribromophenol	78.9	0.1-136		%REC	1	10/20/2010 9:01 PM	2237
Surr: 2-Fluorobiphenyl	77.0	16.3-118		%REC	1	10/20/2010 9:01 PM	2237
Surr: 2-Fluorophenol	84.2	4.2-97		%REC	1	10/20/2010 9:01 PM	2237
Surr: 4-Terphenyl-d14	64.2	0.1-147		%REC	1	10/20/2010 9:01 PM	2237
Surr: Nitrobenzene-d5	69.5	0.1-119		%REC	1	10/20/2010 9:01 PM	2237
Surr: Phenol-d5	87.8	9.82-111		%REC	1	10/20/2010 9:01 PM	2237
CYANIDE, REACTIVE		Method:				Analyst: maa	
Reactive Cyanide	Attached	0.013		mg/Kg-dry	1	10/22/2010 12:00 AM	R6678
FLASH POINT, OPEN CUP		Method: ASTM-D92-Rev 2002b				Analyst: ll	
Flash Point	>212	0	c	°F	1	10/21/2010 3:49 PM	R6572
MERCURY BY CVAA, TCLP		Method: EPA-1311/7470A-Rev 1, Sep-94				Analyst: kjf	
Mercury	<0.0002	0.0002		mg/L	1	10/20/2010 4:20 PM	2241
PAINT FILTER		Method: EPA-9095A-Rev 1, Dec-96				Analyst: lb	
Free Liquids	Pass	0	c	Pass/Fail	1	10/21/2010 2:39 PM	R6564
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95				Analyst: lb	
pH	8.28	0		pH Units	1	10/20/2010 12:25 PM	R6514
PHENOLICS		Method: EPA-9065-Rev 0, Sep-86				Analyst: lb	
Phenolics, Total Recoverable	<0.320	0.320	c	mg/kg-dry	48.5	10/22/2010 11:53 AM	R6598
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	24	1.0		wt%	1	10/18/2010 12:00 AM	R6446
SULFIDE, REACTIVE		Method:				Analyst: maa	
Reactive Sulfide	Attached	1.32		mg/Kg-dry	1	10/20/2010 12:00 AM	R6678
HERBICIDES, TCLP LEACHED, SUBCONTRACTED TO STAT		Method: EPA-1311/8151A-Rev 1, Dec-96				Analyst: maa	
Silvex (Z)	Attached	0.26			1	10/22/2010 12:00 AM	R6678
2,4-D	Attached	0.50			1	10/22/2010 12:00 AM	R6678

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client: Pioneer Engineering & Environmental Services, Inc.
Project: 3434 W. 51st ST.

Report Date: October 28, 2010
Lab Order: 1010757

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010757-001A	10/15/10	2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
		2224	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/19/10
1010757-003A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
		2224	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/19/10
1010757-004A		2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
		2224	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/19/10
1010757-005A		2360	3550_PCB	SOLID PREP SONICATION: PCB		10/28/10
1010757-006A		2252	5035PR	CLOSED SYSTEM P&T VOC Prep		10/17/10
1010757-006C		2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
		2224	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/19/10
1010757-007A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
		2224	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/19/10
1010757-008A		2252	5035PR	CLOSED SYSTEM P&T VOC Prep		10/17/10
1010757-008C		2237	3550_B	SOLID PREP SONICATION: BNA		10/20/10
		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
		2242	3550_P	SOLID PREP SONICATION: Pest		10/20/10
1010757-009A		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
1010757-010A		2360	3550_PCB	SOLID PREP SONICATION: PCB		10/28/10
1010757-011A		2188	3550SIM_B	SOLID PREP SONICATION: BNA		10/15/10
		2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
		2224	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/19/10
1010757-012A		2360	3550_PCB	SOLID PREP SONICATION: PCB		10/28/10
1010757-013A		2255	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		10/20/10
		2241	HG_TPR	MERCURY PREP for TCLP / SPLP		10/20/10
		2237	3550_B	SOLID PREP SONICATION: BNA		10/20/10

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544 3260

PREP DATES REPOR

Client: Pioneer Engineering & Environmental Services, Inc.
Report Date: October 28, 2010
Project: 3434 W. 51st ST.
Lab Order: 1010757

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010757-013A	10/15/10	2205	3550_PCB	SOLID PREP SONICATION: PCB		10/18/10
		2260	3510_P_T	TCLP AQ. PREP SEP FUNNEL: Pest		10/21/10
		2261	3510_B_T	TCLP AQ. PREP SEP FUNNEL: BNA		10/21/10
		2236	1311ZHE	TCLP SAMPLE PREP ZHE (VOCS)		10/19/10
		2233	1311LM	TCLP SAMPLE PREP (Metals)		10/19/10
		2235	1311LO	TCLP SAMPLE PREP (Organics)		10/19/10

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-0

October 25, 2010

Suburban Laboratories, Inc.
4140 Litt Drive
Hillside, IL 60162
Telephone: (708) 544-3260
Fax: (708) 544-8587

RE: 1010757 STAT Project No: 10100519

Dear Melissa Amador:

STAT Analysis received 1 sample for the referenced project on 10/18/2010 12:30:00 PM. The analytical results are presented in the following report.

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

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

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

Sincerely,

Catia Giannini
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: October 25, 2010

Client: Suburban Laboratories, Inc.
Project: 1010757
Lab Order: 10100519

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10100519-001A	1010757-013A		10/15/2010	10/18/2010

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-

Report Date: October 25, 2010
Print Date: October 25, 2010

Client:	Suburban Laboratories, Inc.	**Client Sample ID:**	1010757-013A
Lab Order:	10100519	**Tag Number:**	
Project:	1010757	**Collection Date:**	10/15/2010
Lab ID:	10100519-001A	**Matrix:**	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Herbicides, TCLP Leached	SW1311/8321A (SW3510C)			Prep Date: 10/20/2010		Analyst: VS
2,4,5-TP (Silvex)	ND	0.001		mg/L	1	10/22/2010
2,4-D	ND	0.002		mg/L	1	10/22/2010
Cyanide, Reactive	SW7.3.3.2			Prep Date: 10/22/2010		Analyst: YZ
Reactive Cyanide	ND	1		mg/Kg	1	10/22/2010
Sulfide, Reactive	SW7.3.4.2			Prep Date: 10/20/2010		Analyst: YZ
Reactive Sulfide	ND	10		mg/Kg	1	10/20/2010

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

CHAIN OF CUSTODY RECORD

COC ID:

PAGE: 1 OF: 1

ADDRESS
Suburban Laboratories, Inc.
3
Hillside, IL 60162
TEL: 708-544-3260
FAX: 708-544-8587
Website: www.SuburbanLabs.com

Please Include Email Address of Report Recipient Whenever Possible!!!

SUB CONTRATOR	STATANALYSIS	COMPANY	STAT Analysis
ADDRESS	2242 W. Harrison- Suite 200		
CITY, STATE, ZIP	Chicago, IL 60612		
PHONE	(312) 733-0551	FAX	(312) 733-2386
ACCOUNT #		EMAIL	

SPECIAL INSTRUCTIONS / COMMENTS

Please analyze for TCLP Herbicides and Reactive Sulfide. Email report and invoice to Melissa Amador at melissa@suburbanlabs.com

10100519

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	1010757-013A SW7.34.2, SW8151A	WASTE SCAN-1	8OZAMG	Soil	10/15/10	1	COC 1

Relinquished By:		Date: 10/15/10	Time: 12:35	Received By:		Date: 10/18/10	Time: 13:30
Relinquished By		Date	Time	Received By		Date	Time
Relinquished By		Date	Time	Received By		Date	Time

TAT: Standard RUSH Next BD 2nd BD 3rd BD

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED:

HARDCOPY (extra cost) FAX EMAIL ONLINE

FOR LAB USE ONLY

Temp of samples °C Attempt to Cool ?

Comments

STAT Analysis Corporation

Sample Receipt Checklist

Client Name SUBURBAN | Date and Time Received: 10/18/2010 12:30:00 PM

Work Order Number 10100519 | Received by: DJ

Checklist completed by: Signature 10/18/10 Date | Reviewed by: CG Initials 10/19/10 Date

Matrix: | Carrier name: Client Delivered

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☐	No ☑	Temperature 7.4 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?

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

Comments:

Client / Person contacted: | Date contacted: | Contacted by:

Response:

Craig Chawla

om: Melissa Amador [Melissa@suburbanlabs.com]
ent: Monday, October 18, 2010 5:08 PM
To: Craig Chawla
Subject: 1010757-013A

Craig,

For the sample we sent today, 1010757-013A, please analyze for TCLP Herbicides, Reactive Cyanide, and Reactive Sulfide. I believe I forgot to include the Reactive CN on the COC.

Thank you,

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
www.suburbanlabs.com
708-544-3260 Lab
708-906-9775 Cell

urban Laboratories' web portal FlashPoint® provides customers the ability to monitor account activity:

- Access work status, reports and invoices 24/7
- Set-up e-mail alerts for notification on sample receipt and completion of analyses
- Send requests to project managers for supplies and technical support

To create an account visit our website or use the following link: ⇒Customer Login

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SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD # 87712

Page 1 of 2

Company Name: PIONEER
Company Address: 700 N SACRAMENTO
City: CHICAGO State: IL Zip: 60612
Phone: 773 722 9200 Fax: ☐ Fax Report
Email Address: DPRINCE@PIONEEREF.COM Final Report will be emailed
Project ID / Location: 3434 W 51ST
Project Manager (Report to): JANOTA PRINCE
Sample Collector(s) Name: JIM MIZWICKI

TURNAROUND TIME REQUESTED
☐ Normal ☐ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed: _____
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☐ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4

LAB USE ONLY
SLI ORDER No: 1010 757
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples: 3 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	PCBs	Total Lead	PNAs	VOCs	R	Condition	Split	LAB #
1	PB-62(0-4)	10/15/10		SO		2	4oz(G)	NONE	X	X	X					1A
2	PB-62(4-8)	"		"		"	"	"				X				2A
3	PB-63(0-4)	"		"		"	"	"	X	X						3A
4	PB-64(0-4)	"		"		"	"	"	X	X						4A
5	PB-64(4-8)	"		"		"	"	"				X				5A
6	PB-65(0-4)	"		"		5	4oz(G) 40ml(VIAL)	NONE MEOH	X	X	X					6ABC
7	PB-66(0-4)	"		"		2	4oz(G)	NONE	X	X						7A
8	PB-66(4-8)	"		"		5	4oz(G) 40ml(VIAL)	NONE MEOH				X				8ABC
9	PB-67(0-4)	"		"		2	4oz(G)	NONE	X	~~X~~ NO PAHs						9A
10	PB-67(4-8)	"		"		"	"	"				X				10A
11	PB-68(0-4)	"		"		"	"	"	X	X	X					11A
12	PB-68(4-8)	"		"		"	"	"				X				12A

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tubo, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaS), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
PCBs - 2 day TAT
VOCs, PNAs, Total Lead - 3 day TAT
Illinois Greensheet & TCLP Pest/Herb - Standard

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10/15/10		10-15-10				
Received By ☐ Ice present	Time 3:27	Received By ☐ Ice present	Time 3:45	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD # 87713

Company Name: PIONEER
Company Address: 780 N SACRAMENTO
City: CHGO State: IL Zip: 60612
Phone: 773 (722-9200) Fax: ☐ Fax Report
Email Address: DPRENTICE@PIONEERENGR.COM ☐ Final Report will be emailed
Project ID / Location: 3434 W 51ST
Project Manager (Report to): DAKOTA PRENTICE
Sample Collector(s) Name: VIC MIZWICKI

TURNAROUND TIME REQUESTED
☐ Normal ☐ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed: _____
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.
Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☐ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

	SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	Illinois Green Sheet	TCLP Pest/Herb	R	Condition	Split	LAB #
1	PB-3D	10/15/10		SO		1	(Plastic)	NONE	X	X				134
2		/ /												
3		/ /												
4		/ /												
5		/ /												
6		/ /												
7		/ /												
8		/ /												
9		/ /												
10		/ /												
11		/ /												
12		/ /												

Page 2 of 2
PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4
LAB USE ONLY
SLI ORDER No. 1010757
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples: / °C
Samples received the same day as collection? ☐ Yes

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10/15/10		10/15/10				
Received By ☐ Ice present	Time 3:27	Received By ☑ Ice present	Time 4:45	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back.
Rev. 07/20/08
White-Original, Pink-Sampler Copy

Rpt Ver ID: 10/28/10 7:31:57 PM melissa

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, Illinois 60162
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708-544-8587
www.suburbanlabs.com

November 12, 2010

Workorder: 1010881

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612

TEL: (773) 722-9200
FAX: (773) 722-9201
RE: 3434 W. 51st ST.

Dear Dakota Prentice:

Suburban Laboratories, Inc. received 15 sample(s) on 10/18/10 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Melissa Amador

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Case Narrative

Client: Pioneer Engineering & Environmental Servi
Project: 3434 W. 51st ST.
WorkOrder: 1010851
Temperature of samples upon receipt at SLI: 1 C

Date: November 12, 2010
PO #:
QC Level:
Chain of Custody #: 87714, 87749

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:

Metals_Hg: Sample 1010851-001C: S=The MS percent recovery (37.64%) and the MSD percent recovery (14.58%) were outside laboratory control limits (70.0% - 130.0%) due to matrix effect. All other QC was within acceptable limits.

Client: Pioneer Engineering & Environmental Servi	**Date:** November 12, 2010
Project: 3434 W. 51st ST.	**PO #:**
WorkOrder: 1010851	**QC Level:**
Temperature of samples upon receipt at SLI: 1 C	**Chain of Custody #:** 87714, 87749

Pesticides:
S=Samples 1010851-001C, 004C and 014C were analyzed at dilution due to sample matrix and surrogate recoveries could not be evaluated.

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

Client Sample ID: PB-69 (0-4)
Matrix: SOIL
Lab ID: 1010851-001
Date Received: 10/18/2010 4:30 AM
Collection Date: 10/18/2010 8:46 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Aluminum	7,330	2.48		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Antimony	8.17	1.49		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Arsenic	17.0	1.14		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Barium	126	0.124		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Beryllium	0.177	0.0366	J	mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Cadmium	3.43	0.0743		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Calcium	105,000	6.19		mg/Kg-dry	10	10/21/2010 4:38 PM	2243
Chromium	30.0	0.0594		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Cobalt	7.22	0.124		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Copper	336	0.149		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Iron	16,600	0.619		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Lead	313	0.594		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Magnesium	12,800	0.619		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Manganese	387	0.0594		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Nickel	30.2	0.233		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
otassium	925	2.48		mg/Kg-dry	1	10/20/2010 11:48 PM	2243
Selenium	<1.29	1.29		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Silver	<0.0594	0.0594		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Sodium	266	12.4		mg/Kg-dry	10	10/21/2010 10:54 AM	2243
Thallium	0.829	0.441	J	mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Vanadium	14.2	0.149		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
Zinc	645	0.0743		mg/Kg-dry	1	10/20/2010 4:56 PM	2243
ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	0.240	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
4,4-DDE	<0.0206	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
4,4-DDT	<0.0206	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Aldrin	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
alpha-BHC	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
alpha-Chlordane	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
beta-BHC	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Chlordane	<0.205	0.205		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
delta-BHC	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Dieldrin	<0.0206	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Endosulfan I	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Endosulfan II	<0.0206	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Endosulfan sulfate	<0.0206	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Endrin	<0.0206	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Endrin aldehyde	<0.0206	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
Endrin ketone	<0.0206	0.0206		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
gamma-BHC	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
gamma-Chlordane	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Heptachlor	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Heptachlor epoxide	<0.0103	0.0103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Methoxychlor	<0.103	0.103		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Toxaphene	<0.411	0.411		mg/Kg-dry	10	10/22/2010 7:27 PM	2242
Surr: Tetrachloro-m-xylene	0	33.7-156	S	%REC	10	10/22/2010 7:27 PM	2242
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 2:25 AM	2223
Aroclor 1221	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 2:25 AM	2223
Aroclor 1232	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 2:25 AM	2223
Aroclor 1242	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 2:25 AM	2223
Aroclor 1248	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 2:25 AM	2223
Aroclor 1254	0.288	0.0202		mg/Kg-dry	1	10/20/2010 2:25 AM	2223
Aroclor 1260	0.108	0.0202		mg/Kg-dry	1	10/20/2010 2:25 AM	2223
Surr: Tetrachloro-m-xylene	56.3	33.7-156		%REC	1	10/20/2010 2:25 AM	2223
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
1,1,2,2-Tetrachloroethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
1,2-Trichloroethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
1,1-Dichloroethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
1,1-Dichloroethene	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
1,2-Dichloroethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
1,2-Dichloropropane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
2-Butanone	0.0110	0.00929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
2-Hexanone	<0.0232	0.0232		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
4-Methyl-2-pentanone	<0.0232	0.0232		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Acetone	0.0543	0.0232		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Benzene	0.00178	0.000232		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Bromodichloromethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Bromoform	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Bromomethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Carbon disulfide	0.00482	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Carbon tetrachloride	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Chlorobenzene	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Chloroethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Chloroform	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Chloromethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
cis-1,2-Dichloroethene	0.0190	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
cis-1,3-Dichloropropene	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Dibromochloromethane	<0.000929	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Ethylbenzene	0.00703	0.000929		mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ts	
m,p-Xylene	0.0200	0.00186	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Methyl tert-butyl ether	<0.000929	0.000929	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Methylene chloride	<0.00465	0.00465	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
o-Xylene	0.00602	0.000929	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Total Xylenes	0.0260	0.00186	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Styrene	<0.000929	0.000929	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Tetrachloroethene	0.00789	0.00186	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Toluene	0.0473	0.000929	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
trans-1,2-Dichloroethene	0.00280	0.000929	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
trans-1,3-Dichloropropene	<0.000929	0.000929	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Trichloroethene	0.00938	0.000929	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Vinyl chloride	0.00229	0.000929	mg/Kg-dry	0.75	10/20/2010 3:35 PM	R6516
Surr: 4-Bromofluorobenzene	70.5	61.55-121	%REC	0.75	10/20/2010 3:35 PM	R6516
Surr: Dibromofluoromethane	117	71.4-147	%REC	0.75	10/20/2010 3:35 PM	R6516
Surr: Toluene-d8	92.0	61-135	%REC	0.75	10/20/2010 3:35 PM	R6516
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
1,2,4-Trichlorobenzene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
1,2-Dichlorobenzene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
1,3-Dichlorobenzene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
1,4-Dichlorobenzene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
4,5-Trichlorophenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2,4,6-Trichlorophenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2,4-Dichlorophenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2,4-Dimethylphenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2,4-Dinitrophenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2,4-Dinitrotoluene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2,6-Dinitrotoluene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2-Chloronaphthalene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2-Chlorophenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2-Methylnaphthalene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2-Nitroaniline	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
2-Nitrophenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
3,3-Dichlorobenzidine	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
3-Nitroaniline	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
4,6-Dinitro-2-methylphenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
4-Bromophenyl phenyl ether	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
4-Chloro-3-methylphenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
4-Chloroaniline	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
4-Chlorophenyl phenyl ether	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
4-Nitroaniline	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
4-Nitrophenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Acenaphthene	0.103	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Acenaphthylene	<0.0618	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Anthracene	0.287	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Benzo(a)anthracene	0.801	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Benzo(a)pyrene	0.755	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Benzo(b)fluoranthene	1.24	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Benzo(g,h,i)perylene	0.307	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Benzo(k)fluoranthene	0.333	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Bis(2-chloroethoxy)methane	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Bis(2-chloroethyl)ether	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Bis(2-chloroisopropyl)ether	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Bis(2-ethylhexyl)phthalate	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Butyl benzyl phthalate	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Carbazole	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Chrysene	0.839	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Dibenzo(a,h)anthracene	0.0891	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Dibenzofuran	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Diethyl phthalate	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Dimethyl phthalate	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Di-n-butyl phthalate	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Di-n-octyl phthalate	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Fluoranthene	1.46	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Fluorene	<0.0618	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Hexachlorobenzene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Hexachlorobutadiene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Hexachlorocyclopentadiene	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Hexachloroethane	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Indeno(1,2,3-cd)pyrene	0.284	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Isophorone	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
m,p-Cresol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Naphthalene	0.225	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Nitrobenzene	<0.0618	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
N-Nitrosodi-n-propylamine	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
N-Nitrosodiphenylamine	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
o-Cresol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Pentachlorophenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Phenanthrene	0.985	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Phenol	<0.309	0.309	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Pyrene	1.64	0.0618	mg/Kg-dry	1	10/20/2010 10:58 PM	2237
Surr: 2,4,6-Tribromophenol	80.5	0.1-136	%REC	1	10/20/2010 10:58 PM	2237
Surr: 2-Fluorobiphenyl	70.6	16.3-118	%REC	1	10/20/2010 10:58 PM	2237
Surr: 2-Fluorophenol	80.3	4.2-97	%REC	1	10/20/2010 10:58 PM	2237
Surr: 4-Terphenyl-d14	69.2	0.1-147	%REC	1	10/20/2010 10:58 PM	2237
Surr: Nitrobenzene-d5	65.2	0.1-119	%REC	1	10/20/2010 10:58 PM	2237
Surr: Phenol-d5	89.7	9.82-111	%REC	1	10/20/2010 10:58 PM	2237

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

CYANIDE, TOTAL		Method: EPA-9014-Rev 0, Dec-96			Analyst: lb	
Cyanide	<0.012	0.012	mg/Kg-dry	1	10/21/2010 2:47 PM	R6569
MERCURY BY CVAA		Method: EPA-7471A-Rev 1, Sep-94			Analyst: kjl	
Mercury	1.27	0.0248	mg/Kg-dry	1	10/20/2010 2:24 PM	2239
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994			Analyst: dc	
ICP Specific Percent Moisture	12.61	0	wt%	1	10/18/2010 5:40 PM	R6478
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95			Analyst: lb	
pH	9.66	0	pH Units	1	11/01/2010 4:31 PM	R6893
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	19	1.0	wt%	1	10/20/2010 12:00 AM	R6488

Client Sample ID: PB-69 (0-2.5)
Matrix: SOIL
Lab ID: 1010851-002 **Date Received:** 10/18/2010 4:30 AM **Collection Date:** 10/18/2010 8:47 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	160	0.600		mg/Kg-dry	1	10/20/2010 5:06 PM	2243
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0189	0.0189		mg/Kg-dry	1	10/20/2010 3:20 AM	2223
Aroclor 1221	<0.0189	0.0189		mg/Kg-dry	1	10/20/2010 3:20 AM	2223
Aroclor 1232	<0.0189	0.0189		mg/Kg-dry	1	10/20/2010 3:20 AM	2223
Aroclor 1242	<0.0189	0.0189		mg/Kg-dry	1	10/20/2010 3:20 AM	2223
Aroclor 1248	<0.0189	0.0189		mg/Kg-dry	1	10/20/2010 3:20 AM	2223
Aroclor 1254	0.234	0.0189		mg/Kg-dry	1	10/20/2010 3:20 AM	2223
Aroclor 1260	0.136	0.0189		mg/Kg-dry	1	10/20/2010 3:20 AM	2223
Surr: Tetrachloro-m-xylene	45.0	33.7-156		%REC	1	10/20/2010 3:20 AM	2223
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	11.36	0		wt%	1	10/18/2010 5:40 PM	R6478
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	12	1.0		wt%	1	10/20/2010 12:00 AM	R6488

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

Client Sample ID: PB-69 (2.5-5)
Matrix: SOIL
Lab ID: 1010851-003
Date Received: 10/18/2010 4:30 AM
Collection Date: 10/18/2010 8:50 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0199	0.0199		mg/Kg-dry	1	10/22/2010 12:59 PM	2262
Aroclor 1221	<0.0199	0.0199		mg/Kg-dry	1	10/22/2010 12:59 PM	2262
Aroclor 1232	<0.0199	0.0199		mg/Kg-dry	1	10/22/2010 12:59 PM	2262
Aroclor 1242	<0.0199	0.0199		mg/Kg-dry	1	10/22/2010 12:59 PM	2262
Aroclor 1248	<0.0199	0.0199		mg/Kg-dry	1	10/22/2010 12:59 PM	2262
Aroclor 1254	0.401	0.0199		mg/Kg-dry	1	10/22/2010 12:59 PM	2262
Aroclor 1260	0.175	0.0199		mg/Kg-dry	1	10/22/2010 12:59 PM	2262
Surr: Tetrachloro-m-xylene	57.5	33.7-156		%REC	1	10/22/2010 12:59 PM	2262
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	16	1.0		wt%	1	10/21/2010 12:00 AM	R6578

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

Client Sample ID: PB-70 (0-4)
Matrix: SOIL
Lab ID: 1010851-004
Date Received: 10/18/2010 4:30 AM
Collection Date: 10/18/2010 10:00 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	<0.020	0.020		mg/L	1	11/04/2010 2:41 PM	2441
Barium	3.0	0.50		mg/L	1	11/04/2010 2:41 PM	2441
Cadmium	0.085	0.0010		mg/L	1	11/04/2010 2:41 PM	2441
Chromium	0.015	0.0050		mg/L	1	11/04/2010 2:41 PM	2441
Lead	1.9	0.0067		mg/L	1	11/04/2010 2:41 PM	2441
Selenium	<0.025	0.025		mg/L	1	11/04/2010 2:41 PM	2441
Silver	<0.0020	0.0020		mg/L	1	11/04/2010 2:41 PM	2441
METALS BY ICPMS, SPLP LEACHED		Method: SW846-6020-Rev 0, Sep-94				Analyst: kjl	
Barium	3.33	0.00720		mg/L	20	11/12/2010 12:10 PM	2517
Lead	3.49	0.00200		mg/L	20	11/12/2010 12:10 PM	2517
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Aluminum	6,950	2.31		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Antimony	14.3	1.39		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Arsenic	14.9	1.06		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Barium	720	0.116		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
eryllium	0.288	0.0343		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Cadmium	21.9	0.0694		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Calcium	52,000	5.79		mg/Kg-dry	10	10/21/2010 4:42 PM	2243
Chromium	83.3	0.0556		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Cobalt	16.3	0.116		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Copper	538	0.139		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Iron	22,000	0.579		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Lead	1,970	0.556		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Magnesium	10,200	0.579		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Manganese	607	0.0556		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Nickel	79.0	0.218		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Potassium	1,020	2.31		mg/Kg-dry	1	10/20/2010 11:58 PM	2243
Selenium	<1.20	1.20		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Silver	1.09	0.0556		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Sodium	726	11.6		mg/Kg-dry	10	10/21/2010 10:58 AM	2243
Thallium	0.481	0.412	J	mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Vanadium	21.7	0.139		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
Zinc	3,840	0.0694		mg/Kg-dry	1	10/20/2010 5:17 PM	2243
ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
4,4-DDE	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
4,4-DDT	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Aldrin	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
alpha-BHC	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
alpha-Chlordane	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
beta-BHC	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Chlordane	<0.197	0.197		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
delta-BHC	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Dieldrin	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Endosulfan I	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Endosulfan II	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Endosulfan sulfate	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Endrin	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Endrin aldehyde	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Endrin ketone	<0.0198	0.0198		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
gamma-BHC	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
gamma-Chlordane	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Heptachlor	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Heptachlor epoxide	<0.00990	0.00990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Methoxychlor	<0.0990	0.0990		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Toxaphene	<0.396	0.396		mg/Kg-dry	10	10/22/2010 8:22 PM	2242
Surr: Tetrachloro-m-xylene	0	33.7-156	S	%REC	10	10/22/2010 8:22 PM	2242
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.195	0.195		mg/Kg-dry	10	10/20/2010 7:02 AM	2223
Aroclor 1221	<0.195	0.195		mg/Kg-dry	10	10/20/2010 7:02 AM	2223
Aroclor 1232	<0.195	0.195		mg/Kg-dry	10	10/20/2010 7:02 AM	2223
Aroclor 1242	<0.195	0.195		mg/Kg-dry	10	10/20/2010 7:02 AM	2223
Aroclor 1248	8.90	0.195		mg/Kg-dry	10	10/20/2010 7:02 AM	2223
Aroclor 1254	8.90	0.195		mg/Kg-dry	10	10/20/2010 7:02 AM	2223
Aroclor 1260	2.92	0.195		mg/Kg-dry	10	10/20/2010 7:02 AM	2223
Surr: Tetrachloro-m-xylene	38.8	33.7-156		%REC	1	10/20/2010 3:39 AM	2223
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
1,1,2,2-Tetrachloroethane	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
1,1,2-Trichloroethane	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
1,1-Dichloroethane	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
1,1-Dichloroethene	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
1,2-Dichloroethane	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
1,2-Dichloropropane	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
2-Butanone	<0.515	0.515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
2-Hexanone	<1.29	1.29		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
4-Methyl-2-pentanone	<1.29	1.29		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Acetone	<1.29	1.29		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Benzene	0.0845	0.0129		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Bromodichloromethane	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Bromoform	<0.0515	0.0515		mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ts	
Bromomethane	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Carbon disulfide	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Carbon tetrachloride	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Chlorobenzene	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Chloroethane	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Chloroform	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Chloromethane	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
cis-1,2-Dichloroethene	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
cis-1,3-Dichloropropene	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Dibromochloromethane	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Ethylbenzene	0.130	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
m,p-Xylene	0.352	0.103	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Methyl tert-butyl ether	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Methylene chloride	<0.257	0.257	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
o-Xylene	0.131	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Total Xylenes	0.483	0.103	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Styrene	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Tetrachloroethene	<0.103	0.103	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Toluene	0.298	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
trans-1,2-Dichloroethene	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
ans-1,3-Dichloropropene	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
richloroethene	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Vinyl chloride	<0.0515	0.0515	mg/Kg-dry	43.18	10/20/2010 9:59 PM	R6555
Surr: 4-Bromofluorobenzene	107	85.9-111	%REC	43.18	10/20/2010 9:59 PM	R6555
Surr: Dibromofluoromethane	96.3	87.5-113	%REC	43.18	10/20/2010 9:59 PM	R6555
Surr: Toluene-d8	97.9	83.3-121	%REC	43.18	10/20/2010 9:59 PM	R6555
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
1,2,4-Trichlorobenzene	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
1,2-Dichlorobenzene	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
1,3-Dichlorobenzene	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
1,4-Dichlorobenzene	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
2,4,5-Trichlorophenol	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
2,4,6-Trichlorophenol	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
2,4-Dichlorophenol	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
2,4-Dimethylphenol	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
2,4-Dinitrophenol	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
2,4-Dinitrotoluene	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
2,6-Dinitrotoluene	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
2-Chloronaphthalene	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
2-Chlorophenol	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
2-Methylnaphthalene	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
2-Nitroaniline	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
2-Nitrophenol	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

SEMIVOLATILE ORGANICS (BNAS)			Method: EPA-8270C-Rev 3, Dec-96		Analyst: ls	
3,3-Dichlorobenzidine	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
3-Nitroaniline	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
4,6-Dinitro-2-methylphenol	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
4-Bromophenyl phenyl ether	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
4-Chloro-3-methylphenol	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
4-Chloroaniline	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
4-Chlorophenyl phenyl ether	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
4-Nitroaniline	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
4-Nitrophenol	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Acenaphthene	<0.596	0.596	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Acenaphthylene	<0.596	0.596	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Anthracene	<0.596	0.596	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Benzo(a)anthracene	1.39	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Benzo(a)pyrene	1.06	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Benzo(b)fluoranthene	1.83	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Benzo(g,h,i)perylene	0.407	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Benzo(k)fluoranthene	0.498	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Bis(2-chloroethoxy)methane	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Bis(2-chloroethyl)ether	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Bis(2-chloroisopropyl)ether	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
is(2-ethylhexyl)phthalate	4.51	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Butyl benzyl phthalate	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Carbazole	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Chrysene	1.23	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Dibenzo(a,h)anthracene	<0.119	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Dibenzofuran	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Diethyl phthalate	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Dimethyl phthalate	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Di-n-butyl phthalate	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Di-n-octyl phthalate	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Fluoranthene	2.85	0.596	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Fluorene	<0.596	0.596	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Hexachlorobenzene	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Hexachlorobutadiene	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Hexachlorocyclopentadiene	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Hexachloroethane	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Indeno(1,2,3-cd)pyrene	0.361	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Isophorone	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
m,p-Cresol	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Naphthalene	0.259	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Nitrobenzene	<0.119	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
N-Nitrosodi-n-propylamine	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
N-Nitrosodiphenylamine	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237

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J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
o-Cresol	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Pentachlorophenol	<2.98	2.98	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Phenanthrene	2.20	0.596	mg/Kg-dry	10	10/20/2010 11:36 PM	2237
Phenol	<0.596	0.596	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Pyrene	3.39	0.119	mg/Kg-dry	2	10/21/2010 12:14 AM	2237
Surr: 2,4,6-Tribromophenol	28.3	0.1-136	%REC	10	10/20/2010 11:36 PM	2237
Surr: 2-Fluorobiphenyl	49.8	16.3-118	%REC	10	10/20/2010 11:36 PM	2237
Surr: 2-Fluorophenol	64.7	4.2-97	%REC	2	10/21/2010 12:14 AM	2237
Surr: 4-Terphenyl-d14	52.6	0.1-147	%REC	2	10/21/2010 12:14 AM	2237
Surr: Nitrobenzene-d5	59.0	0.1-119	%REC	2	10/21/2010 12:14 AM	2237
Surr: Phenol-d5	72.5	9.82-111	%REC	2	10/21/2010 12:14 AM	2237
CYANIDE, TOTAL		Method: EPA-9014-Rev 0, Dec-96			Analyst: lb	
Cyanide	<0.012	0.012	mg/Kg-dry	1	10/21/2010 2:47 PM	R6569
MERCURY BY CVAA		Method: EPA-7471A-Rev 1, Sep-94			Analyst: kjl	
Mercury	0.119	0.0239	mg/Kg-dry	1	10/20/2010 2:45 PM	2239
MERCURY BY CVAA, TCLP		Method: EPA-1311/7470A-Rev 1, Sep-94			Analyst: kjl	
Mercury	<0.0002	0.0002	mg/L	1	11/03/2010 2:17 PM	2436
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994			Analyst: dc	
ICP Specific Percent Moisture	14.48	0	wt%	1	10/18/2010 5:40 PM	R6478
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95			Analyst: lb	
pH	8.25	0	pH Units	1	11/01/2010 4:31 PM	R6893
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	16	1.0	wt%	1	10/20/2010 12:00 AM	R6488

Client Sample ID: PB-70 (0-2.5)
Matrix: SOIL
Lab ID: 1010851-005
Date Received: 10/18/2010 4:30 AM
Collection Date: 10/18/2010 10:01 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.197	0.197		mg/Kg-dry	10	10/20/2010 7:21 AM	2223
Aroclor 1221	<0.197	0.197		mg/Kg-dry	10	10/20/2010 7:21 AM	2223
Aroclor 1232	<0.197	0.197		mg/Kg-dry	10	10/20/2010 7:21 AM	2223
Aroclor 1242	<0.197	0.197		mg/Kg-dry	10	10/20/2010 7:21 AM	2223
Aroclor 1248	5.18	0.197		mg/Kg-dry	10	10/20/2010 7:21 AM	2223
Aroclor 1254	<0.197	0.197		mg/Kg-dry	10	10/20/2010 7:21 AM	2223
Aroclor 1260	1.96	0.197		mg/Kg-dry	10	10/20/2010 7:21 AM	2223
Surr: Tetrachloro-m-xylene	30.0	33.7-156	S	%REC	1	10/20/2010 3:57 AM	2223
CYANIDE, REACTIVE		Method:				Analyst: maa	
Reactive Cyanide	Attached	0.012		mg/Kg-dry	1	10/27/2010 12:00 AM	R6771
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	16	1.0		wt%	1	10/20/2010 12:00 AM	R6488
SULFIDE, REACTIVE		Method:				Analyst: maa	
Reactive Sulfide	Attached	1.18		mg/Kg-dry	1	10/25/2010 12:00 AM	R6771

Qualifiers:			
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	G Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
	J Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
	ND Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

Client Sample ID: PB-70 (5-7.5)
Matrix: SOIL
Lab ID: 1010851-007
Date Received: 10/18/2010 4:30 AM
Collection Date: 10/18/2010 10:13 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	<0.020	0.020		mg/L	1	11/04/2010 2:52 PM	2441
Barium	<0.50	0.50		mg/L	1	11/04/2010 2:52 PM	2441
Cadmium	<0.0010	0.0010		mg/L	1	11/04/2010 2:52 PM	2441
Chromium	<0.0050	0.0050		mg/L	1	11/04/2010 2:52 PM	2441
Lead	<0.0067	0.0067		mg/L	1	11/04/2010 2:52 PM	2441
Selenium	<0.025	0.025		mg/L	1	11/04/2010 2:52 PM	2441
Silver	<0.0020	0.0020		mg/L	1	11/04/2010 2:52 PM	2441
ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
4,4-DDE	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
4,4-DDT	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Aldrin	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
alpha-BHC	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
alpha-Chlordane	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
beta-BHC	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
hlordane	<0.0202	0.0202		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
delta-BHC	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Dieldrin	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Endosulfan I	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Endosulfan II	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Endosulfan sulfate	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Endrin	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Endrin aldehyde	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Endrin ketone	<0.00203	0.00203		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
gamma-BHC	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
gamma-Chlordane	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Heptachlor	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Heptachlor epoxide	<0.00101	0.00101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Methoxychlor	<0.0101	0.0101		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Toxaphene	<0.0405	0.0405		mg/Kg-dry	1	10/22/2010 8:59 PM	2242
Surr: Tetrachloro-m-xylene	57.9	33.7-156		%REC	1	10/22/2010 8:59 PM	2242
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 4:16 AM	2223
Aroclor 1221	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 4:16 AM	2223
Aroclor 1232	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 4:16 AM	2223
Aroclor 1242	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 4:16 AM	2223
Aroclor 1248	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 4:16 AM	2223
Aroclor 1254	<0.0204	0.0204		mg/Kg-dry	1	10/20/2010 4:16 AM	2223

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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

PCBS		Method: EPA-8082-Rev 0, Dec-96			Analyst: mn	
Aroclor 1260	<0.0204	0.0204	mg/Kg-dry	1	10/20/2010 4:16 AM	2223
Surr: Tetrachloro-m-xylene	55.0	33.7-156	%REC	1	10/20/2010 4:16 AM	2223
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ts	
1,1,1-Trichloroethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
1,1,2,2-Tetrachloroethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
1,1,2-Trichloroethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
1,1-Dichloroethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
1,1-Dichloroethene	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
1,2-Dichloroethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
1,2-Dichloropropane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
2-Butanone	<0.00878	0.00878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
2-Hexanone	<0.0220	0.0220	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
4-Methyl-2-pentanone	<0.0220	0.0220	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Acetone	0.0264	0.0220	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Benzene	<0.000220	0.000220	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Bromodichloromethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Bromoform	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Bromomethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Carbon disulfide	0.00163	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Carbon tetrachloride	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
hlorobenzene	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Chloroethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Chloroform	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Chloromethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
cis-1,2-Dichloroethene	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
cis-1,3-Dichloropropene	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Dibromochloromethane	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Ethylbenzene	0.00289	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
m,p-Xylene	0.00889	0.00176	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Methyl tert-butyl ether	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Methylene chloride	<0.00439	0.00439	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
o-Xylene	0.00201	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Total Xylenes	0.0109	0.00176	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Styrene	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Tetrachloroethene	<0.00176	0.00176	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Toluene	0.0269	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
trans-1,2-Dichloroethene	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
trans-1,3-Dichloropropene	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Trichloroethene	0.000975	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Vinyl chloride	<0.000878	0.000878	mg/Kg-dry	0.72	10/20/2010 2:18 PM	R6516
Surr: 4-Bromofluorobenzene	85.3	61.55-121	%REC	0.72	10/20/2010 2:18 PM	R6516
Surr: Dibromofluoromethane	109	71.4-147	%REC	0.72	10/20/2010 2:18 PM	R6516
Surr: Toluene-d8	98.2	61-135	%REC	0.72	10/20/2010 2:18 PM	R6516

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

SEMIVOLATILE ORGANICS (BNAS)			Method: EPA-8270C-Rev 3, Dec-96		Analyst: ls	
1,2,4-Trichlorobenzene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
1,2-Dichlorobenzene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
1,3-Dichlorobenzene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
1,4-Dichlorobenzene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2,4,5-Trichlorophenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2,4,6-Trichlorophenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2,4-Dichlorophenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2,4-Dimethylphenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2,4-Dinitrophenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2,4-Dinitrotoluene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2,6-Dinitrotoluene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2-Chloronaphthalene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2-Chlorophenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2-Methylnaphthalene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2-Nitroaniline	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
2-Nitrophenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
3,3-Dichlorobenzidine	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
3-Nitroaniline	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
4,6-Dinitro-2-methylphenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
4-Bromophenyl phenyl ether	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Chloro-3-methylphenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
-Chloroaniline	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
4-Chlorophenyl phenyl ether	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
4-Nitroaniline	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
4-Nitrophenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Acenaphthene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Acenaphthylene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Anthracene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Benzo(a)anthracene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Benzo(a)pyrene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Benzo(b)fluoranthene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Benzo(g,h,i)perylene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Benzo(k)fluoranthene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Bis(2-chloroethoxy)methane	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Bis(2-chloroethyl)ether	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Bis(2-chloroisopropyl)ether	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Bis(2-ethylhexyl)phthalate	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Butyl benzyl phthalate	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Carbazole	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Chrysene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Dibenzo(a,h)anthracene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Dibenzofuran	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Diethyl phthalate	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51st ST.

Report Date: November 12, 2010
Lab Order: 1010851

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Dimethyl phthalate	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Di-n-butyl phthalate	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Di-n-octyl phthalate	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Fluoranthene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Fluorene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Hexachlorobenzene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Hexachlorobutadiene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Hexachlorocyclopentadiene	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Hexachloroethane	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Indeno(1,2,3-cd)pyrene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Isophorone	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
m,p-Cresol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Naphthalene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Nitrobenzene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
N-Nitrosodi-n-propylamine	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
N-Nitrosodiphenylamine	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
o-Cresol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Pentachlorophenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Phenanthrene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Phenol	<0.304	0.304	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Pyrene	<0.0609	0.0609	mg/Kg-dry	1	10/20/2010 9:39 PM	2237
Surr: 2,4,6-Tribromophenol	49.0	0.1-136	%REC	1	10/20/2010 9:39 PM	2237
Surr: 2-Fluorobiphenyl	79.7	16.3-118	%REC	1	10/20/2010 9:39 PM	2237
Surr: 2-Fluorophenol	88.7	4.2-97	%REC	1	10/20/2010 9:39 PM	2237
Surr: 4-Terphenyl-d14	62.9	0.1-147	%REC	1	10/20/2010 9:39 PM	2237
Surr: Nitrobenzene-d5	73.8	0.1-119	%REC	1	10/20/2010 9:39 PM	2237
Surr: Phenol-d5	88.7	9.82-111	%REC	1	10/20/2010 9:39 PM	2237
MERCURY BY CVAA, TCLP		Method: EPA-1311/7470A-Rev 1, Sep-94			Analyst: kjt	
Mercury	<0.0002	0.0002	mg/L	1	11/03/2010 2:19 PM	2436
ORGANIC MATTER & ORGANIC CARBON CONTENT		Method: ASTM-D2974-Rev 2000			Analyst: ma	
FOM-Organic Matter (@ 440 C)	0.332	0.00100	g/g	1	10/21/2010 12:00 AM	R6530
FOC-Organic Carbon (0.58 Factor)	0.192	0.00100	g/g	1	10/21/2010 12:00 AM	R6530
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	18	1.0	wt%	1	10/21/2010 12:00 AM	R6530

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

Client Sample ID: PB-71 (0-4)
Matrix: SOIL
Lab ID: 1010851-008
Date Received: 10/18/2010 4:30 AM
Collection Date: 10/18/2010 1:33 PM

Parameter	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	4.33	1.15	J	mg/Kg-dry	1	10/20/2010 5:26 PM	2243
Barium	41.6	0.125		mg/Kg-dry	1	10/20/2010 5:26 PM	2243
Cadmium	<0.0750	0.0750		mg/Kg-dry	1	10/20/2010 5:26 PM	2243
Chromium	17.6	0.0600		mg/Kg-dry	1	10/20/2010 5:26 PM	2243
Lead	11.0	0.600		mg/Kg-dry	1	10/20/2010 5:26 PM	2243
Selenium	<1.30	1.30		mg/Kg-dry	1	10/20/2010 5:26 PM	2243
Silver	<0.0600	0.0600		mg/Kg-dry	1	10/20/2010 5:26 PM	2243
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0194	0.0194		mg/Kg-dry	1	10/20/2010 4:34 AM	2223
Aroclor 1221	<0.0194	0.0194		mg/Kg-dry	1	10/20/2010 4:34 AM	2223
Aroclor 1232	<0.0194	0.0194		mg/Kg-dry	1	10/20/2010 4:34 AM	2223
Aroclor 1242	<0.0194	0.0194		mg/Kg-dry	1	10/20/2010 4:34 AM	2223
Aroclor 1248	<0.0194	0.0194		mg/Kg-dry	1	10/20/2010 4:34 AM	2223
Aroclor 1254	<0.0194	0.0194		mg/Kg-dry	1	10/20/2010 4:34 AM	2223
Aroclor 1260	<0.0194	0.0194		mg/Kg-dry	1	10/20/2010 4:34 AM	2223
Surr: Tetrachloro-m-xylene	62.5	33.7-156		%REC	1	10/20/2010 4:34 AM	2223
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Acenaphthylene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Anthracene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Benzo(a)anthracene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Benzo(a)pyrene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Benzo(b)fluoranthene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Benzo(g,h,i)perylene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Benzo(k)fluoranthene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Chrysene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Dibenzo(a,h)anthracene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Fluoranthene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Fluorene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Indeno(1,2,3-cd)pyrene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Naphthalene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Phenanthrene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Pyrene	<0.0473	0.0473		mg/Kg-dry	1	10/20/2010 4:48 AM	2228
Surr: 2-Fluorobiphenyl	104	59.3-135		%REC	1	10/20/2010 4:48 AM	2228
Surr: 4-Terphenyl-d14	80.0	51.4-151		%REC	1	10/20/2010 4:48 AM	2228
Surr: Nitrobenzene-d5	106	50.6-126		%REC	1	10/20/2010 4:48 AM	2228
MERCURY BY CVAA		Method: EPA-7471A-Rev 1, Sep-94				Analyst: kjl	
Mercury	<0.0224	0.0224		mg/Kg-dry	1	10/20/2010 2:49 PM	2239

Qualifiers:

*	Value exceeds Maximum Contaminant Level
c	Analyte not in SLI scope of accreditation
G	Refer to case narrative page for specific comments
J	Analyte detected below quantitation limit (QL)
ND	Not Detected at the Reporting Limit
B	Analyte detected in the associated Method Blank
E	Estimated, detected above quantitation range
H	Holding times for preparation or analysis exceeded
N	Tentatively identified compounds
R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

METALS, PERCENT MOISTURE			Method: EPA-200.2-Rev 2.8, 1994		Analyst: dc	
ICP Specific Percent Moisture	16.12	0	wt%	1	10/18/2010 5:40 PM	R6478
PH (IN LABORATORY) <ATC>			Method: EPA-9045C-Rev 3, Jan-95		Analyst: fb	
pH	8.51	0	pH Units	1	10/20/2010 12:25 PM	R6514
PERCENT MOISTURE			Method: ASTM-D2216-Rev 2005		Analyst: ma	
Percent Moisture	15	1.0	wt%	1	10/20/2010 12:00 AM	R6488

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Project Name: 3434 W. 51st ST.

Report Date: November 12, 2010
Lab Order: 1010851

Client Sample ID: PB-72 (0-4)
Lab ID: 1010851-009 **Date Received:** 10/18/2010 4:30 AM

Matrix: SOIL
Collection Date: 10/18/2010 2:01 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	3.43	1.08	J	mg/Kg-dry	1	10/20/2010 5:37 PM	2243
Barium	85.0	0.118		mg/Kg-dry	1	10/20/2010 5:37 PM	2243
Cadmium	0.818	0.0708		mg/Kg-dry	1	10/20/2010 5:37 PM	2243
Chromium	22.3	0.0566		mg/Kg-dry	1	10/20/2010 5:37 PM	2243
Lead	42.6	0.566		mg/Kg-dry	1	10/20/2010 5:37 PM	2243
Selenium	<1.23	1.23		mg/Kg-dry	1	10/20/2010 5:37 PM	2243
Silver	<0.0566	0.0566		mg/Kg-dry	1	10/20/2010 5:37 PM	2243
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0208	0.0208		mg/Kg-dry	1	10/20/2010 4:53 AM	2223
Aroclor 1221	<0.0208	0.0208		mg/Kg-dry	1	10/20/2010 4:53 AM	2223
Aroclor 1232	<0.0208	0.0208		mg/Kg-dry	1	10/20/2010 4:53 AM	2223
Aroclor 1242	<0.0208	0.0208		mg/Kg-dry	1	10/20/2010 4:53 AM	2223
Aroclor 1248	<0.0208	0.0208		mg/Kg-dry	1	10/20/2010 4:53 AM	2223
Aroclor 1254	<0.0208	0.0208		mg/Kg-dry	1	10/20/2010 4:53 AM	2223
Aroclor 1260	<0.0208	0.0208		mg/Kg-dry	1	10/20/2010 4:53 AM	2223
Surr: Tetrachloro-m-xylene	68.8	33.7-156		%REC	1	10/20/2010 4:53 AM	2223
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Acenaphthene	<0.0493	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Acenaphthylene	<0.0493	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Anthracene	<0.0493	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Benzo(a)anthracene	0.113	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Benzo(a)pyrene	0.110	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Benzo(b)fluoranthene	0.180	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Benzo(g,h,i)perylene	0.0790	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Benzo(k)fluoranthene	0.0586	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Chrysene	0.153	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Dibenzo(a,h)anthracene	<0.0493	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Fluoranthene	0.169	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Fluorene	<0.0493	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Indeno(1,2,3-cd)pyrene	0.0752	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Naphthalene	<0.0493	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Phenanthrene	0.123	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Pyrene	0.182	0.0493		mg/Kg-dry	1	10/20/2010 5:25 AM	2228
Surr: 2-Fluorobiphenyl	102	59.3-135		%REC	1	10/20/2010 5:25 AM	2228
Surr: 4-Terphenyl-d14	75.1	51.4-151		%REC	1	10/20/2010 5:25 AM	2228
Surr: Nitrobenzene-d5	105	50.6-126		%REC	1	10/20/2010 5:25 AM	2228
MERCURY BY CVAA		Method: EPA-7471A-Rev 1, Sep-94				Analyst: kjl	
Mercury	0.0977	0.0237	J	mg/Kg-dry	1	10/20/2010 2:53 PM	2239

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I **Report Date:** November 12, 2010
Project Name: 3434 W. 51st ST. **Lab Order:** 1010851

METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994			Analyst: dc	
ICP Specific Percent Moisture	17.80	0	wt%	1	10/18/2010 5:40 PM	R6478
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95			Analyst: lb	
pH	7.54	0	pH Units	1	10/20/2010 12:25 PM	R6514
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma	
Percent Moisture	20	1.0	wt%	1	10/20/2010 12:00 AM	R6488

Client Sample ID: PB-2 (0-2.5) **Matrix:** SOIL
Lab ID: 1010851-010 **Date Received:** 10/18/2010 4:30 AM **Collection Date:** 10/18/2010 11:44 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.189	0.189		mg/Kg-dry	10	10/20/2010 7:58 AM	2223
Aroclor 1221	<0.189	0.189		mg/Kg-dry	10	10/20/2010 7:58 AM	2223
Aroclor 1232	<0.189	0.189		mg/Kg-dry	10	10/20/2010 7:58 AM	2223
Aroclor 1242	<0.189	0.189		mg/Kg-dry	10	10/20/2010 7:58 AM	2223
Aroclor 1248	<0.189	0.189		mg/Kg-dry	10	10/20/2010 7:58 AM	2223
Aroclor 1254	2.03	0.189		mg/Kg-dry	10	10/20/2010 7:58 AM	2223
Aroclor 1260	0.459	0.189		mg/Kg-dry	10	10/20/2010 7:58 AM	2223
Surr: Tetrachloro-m-xylene	41.3	33.7-156		%REC	1	10/20/2010 5:11 AM	2223
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: ma		
Percent Moisture	12	1.0		wt%	1	10/20/2010 12:00 AM	R6488

Client Sample ID: PB-2 (2.5-5) **Matrix:** SOIL
Lab ID: 1010851-011 **Date Received:** 10/18/2010 4:30 AM **Collection Date:** 10/18/2010 11:47 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0218	0.0218		mg/Kg-dry	1	10/22/2010 1:17 PM	2262
Aroclor 1221	<0.0218	0.0218		mg/Kg-dry	1	10/22/2010 1:17 PM	2262
Aroclor 1232	<0.0218	0.0218		mg/Kg-dry	1	10/22/2010 1:17 PM	2262
Aroclor 1242	<0.0218	0.0218		mg/Kg-dry	1	10/22/2010 1:17 PM	2262
Aroclor 1248	<0.0218	0.0218		mg/Kg-dry	1	10/22/2010 1:17 PM	2262
Aroclor 1254	<0.0218	0.0218		mg/Kg-dry	1	10/22/2010 1:17 PM	2262
Aroclor 1260	<0.0218	0.0218		mg/Kg-dry	1	10/22/2010 1:17 PM	2262
Surr: Tetrachloro-m-xylene	65.0	33.7-156		%REC	1	10/22/2010 1:17 PM	2262
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005			Analyst: jos		
Percent Moisture	23	1.0		wt%	1	10/21/2010 12:00 AM	R6578

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

Client Sample ID: PB-2D (0-2.5)
Matrix: SOIL
Lab ID: 1010851-012 **Date Received:** 10/18/2010 4:30 AM **Collection Date:** 10/18/2010 12:04 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.190	0.190		mg/Kg-dry	10	10/20/2010 8:16 AM	2223
Aroclor 1221	<0.190	0.190		mg/Kg-dry	10	10/20/2010 8:16 AM	2223
Aroclor 1232	<0.190	0.190		mg/Kg-dry	10	10/20/2010 8:16 AM	2223
Aroclor 1242	<0.190	0.190		mg/Kg-dry	10	10/20/2010 8:16 AM	2223
Aroclor 1248	<0.190	0.190		mg/Kg-dry	10	10/20/2010 8:16 AM	2223
Aroclor 1254	4.35	0.190		mg/Kg-dry	10	10/20/2010 8:16 AM	2223
Aroclor 1260	1.93	0.190		mg/Kg-dry	10	10/20/2010 8:16 AM	2223
Surr: Tetrachloro-m-xylene	45.0	33.7-156		%REC	1	10/20/2010 5:30 AM	2223
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	13	1.0		wt%	1	10/20/2010 12:00 AM	R6488

Client Sample ID: PB-2D (2.5-5)
Matrix: SOIL
Lab ID: 1010851-013 **Date Received:** 10/18/2010 4:30 AM **Collection Date:** 10/18/2010 12:04 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
3S		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0223	0.0223		mg/Kg-dry	1	10/22/2010 1:36 PM	2262
Aroclor 1221	<0.0223	0.0223		mg/Kg-dry	1	10/22/2010 1:36 PM	2262
Aroclor 1232	<0.0223	0.0223		mg/Kg-dry	1	10/22/2010 1:36 PM	2262
Aroclor 1242	<0.0223	0.0223		mg/Kg-dry	1	10/22/2010 1:36 PM	2262
Aroclor 1248	<0.0223	0.0223		mg/Kg-dry	1	10/22/2010 1:36 PM	2262
Aroclor 1254	<0.0223	0.0223		mg/Kg-dry	1	10/22/2010 1:36 PM	2262
Aroclor 1260	0.0349	0.0223		mg/Kg-dry	1	10/22/2010 1:36 PM	2262
Surr: Tetrachloro-m-xylene	51.3	33.7-156		%REC	1	10/22/2010 1:36 PM	2262
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: jos	
Percent Moisture	25	1.0		wt%	1	10/21/2010 12:00 AM	R6578

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

Client Sample ID: PB-73 (0-4)
Matrix: SOIL
Lab ID: 1010851-014
Date Received: 10/18/2010 4:30 AM
Collection Date: 10/18/2010 12:33 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP, TCLP LEACHED		Method: EPA-1311/6010B-Rev 2, Dec-96				Analyst: jos	
Arsenic	<0.020	0.020		mg/L	1	11/04/2010 3:13 PM	2441
Barium	0.91	0.50		mg/L	1	11/04/2010 3:13 PM	2441
Cadmium	0.0027	0.0010	J	mg/L	1	11/04/2010 3:13 PM	2441
Chromium	<0.0050	0.0050		mg/L	1	11/04/2010 3:13 PM	2441
Lead	0.071	0.0067		mg/L	1	11/04/2010 3:13 PM	2441
Selenium	<0.025	0.025		mg/L	1	11/04/2010 3:13 PM	2441
Silver	<0.0020	0.0020		mg/L	1	11/04/2010 3:13 PM	2441
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Aluminum	6,170	2.40		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Antimony	12.5	1.44		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Arsenic	13.2	1.11		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Barium	185	0.120		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Beryllium	0.425	0.0356		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Cadmium	1.23	0.0721		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Calcium	27,600	0.601		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Chromium	16.4	0.0577		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Cobalt	6.24	0.120		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Copper	111	0.144		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Iron	18,800	0.601		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Lead	333	0.577		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Magnesium	8,070	0.601		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Manganese	307	0.0577		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Nickel	23.4	0.226		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Potassium	1,060	2.40		mg/Kg-dry	1	10/21/2010 12:06 AM	2243
Selenium	<1.25	1.25		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Silver	<0.0577	0.0577		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Sodium	584	12.0		mg/Kg-dry	10	10/21/2010 11:03 AM	2243
Thallium	0.457	0.428	J	mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Vanadium	19.2	0.144		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
Zinc	369	0.0721		mg/Kg-dry	1	10/20/2010 5:48 PM	2243
ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:18 PM	2242
4,4-DDE	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
4,4-DDT	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Aldrin	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
alpha-BHC	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
alpha-Chlordane	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
beta-BHC	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:18 PM	2242

Qualifiers:

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B	Analyte detected in the associated Method Blank
E	Estimated, detected above quantitation range
H	Holding times for preparation or analysis exceeded
N	Tentatively identified compounds
R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

ORGANOCHLORINE PESTICIDES		Method: EPA-8081A-Rev 1, Dec-96				Analyst: mn	
Chlordane	<0.206	0.206		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
delta-BHC	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:18 PM	2242
Dieldrin	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Endosulfan I	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Endosulfan II	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Endosulfan sulfate	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Endrin	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Endrin aldehyde	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:18 PM	2242
Endrin ketone	<0.0208	0.0208		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
gamma-BHC	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
gamma-Chlordane	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:18 PM	2242
Heptachlor	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Heptachlor epoxide	<0.0104	0.0104		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Methoxychlor	<0.104	0.104		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Toxaphene	<0.414	0.414		mg/Kg-dry	10	10/22/2010 9:36 PM	2242
Surr: Tetrachloro-m-xylene	0	33.7-156	S	%REC	10	10/22/2010 9:36 PM	2242
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0206	0.0206		mg/Kg-dry	1	10/20/2010 5:48 AM	2223
Aroclor 1221	<0.0206	0.0206		mg/Kg-dry	1	10/20/2010 5:48 AM	2223
Aroclor 1232	<0.0206	0.0206		mg/Kg-dry	1	10/20/2010 5:48 AM	2223
roclor 1242	<0.0206	0.0206		mg/Kg-dry	1	10/20/2010 5:48 AM	2223
roclor 1248	<0.0206	0.0206		mg/Kg-dry	1	10/20/2010 5:48 AM	2223
Aroclor 1254	<0.0206	0.0206		mg/Kg-dry	1	10/20/2010 5:48 AM	2223
Aroclor 1260	<0.0206	0.0206		mg/Kg-dry	1	10/20/2010 5:48 AM	2223
Surr: Tetrachloro-m-xylene	37.5	33.7-156		%REC	1	10/20/2010 5:48 AM	2223
VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96				Analyst: ts	
1,1,1-Trichloroethane	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
1,1,2,2-Tetrachloroethane	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
1,1,2-Trichloroethane	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
1,1-Dichloroethane	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
1,1-Dichloroethene	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
1,2-Dichloroethane	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
1,2-Dichloropropane	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
2-Butanone	0.0178	0.00957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
2-Hexanone	<0.0239	0.0239		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
4-Methyl-2-pentanone	<0.0239	0.0239		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Acetone	0.0770	0.0239		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Benzene	0.00323	0.000239		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Bromodichloromethane	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Bromoform	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Bromomethane	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Carbon disulfide	0.00652	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Carbon tetrachloride	<0.000957	0.000957		mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516

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J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
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Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

VOLATILE ORGANIC COMPOUNDS		Method: EPA-8260B-Rev 2, Dec-96			Analyst: ts	
Chlorobenzene	<0.000957	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Chloroethane	<0.000957	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Chloroform	<0.000957	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Chloromethane	<0.000957	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
cis-1,2-Dichloroethene	0.00422	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
cis-1,3-Dichloropropene	<0.000957	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Dibromochloromethane	<0.000957	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Ethylbenzene	0.0131	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
m,p-Xylene	0.0361	0.00191	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Methyl tert-butyl ether	<0.000957	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Methylene chloride	<0.00478	0.00478	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
o-Xylene	0.0111	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Total Xylenes	0.0472	0.00191	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Styrene	0.00165	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Tetrachloroethene	0.00821	0.00191	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Toluene	0.0662	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
trans-1,2-Dichloroethene	0.00147	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
trans-1,3-Dichloropropene	<0.000957	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Trichloroethene	0.00414	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Vinyl chloride	0.00274	0.000957	mg/Kg-dry	0.77	10/20/2010 2:56 PM	R6516
Surr: 4-Bromofluorobenzene	70.1	61.55-121	%REC	0.77	10/20/2010 2:56 PM	R6516
Surr: Dibromofluoromethane	126	71.4-147	%REC	0.77	10/20/2010 2:56 PM	R6516
Surr: Toluene-d8	90.5	61-135	%REC	0.77	10/20/2010 2:56 PM	R6516
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
1,2,4-Trichlorobenzene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
1,2-Dichlorobenzene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
1,3-Dichlorobenzene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
1,4-Dichlorobenzene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2,4,5-Trichlorophenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2,4,6-Trichlorophenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2,4-Dichlorophenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2,4-Dimethylphenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2,4-Dinitrophenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2,4-Dinitrotoluene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2,6-Dinitrotoluene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2-Chloronaphthalene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2-Chlorophenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2-Methylnaphthalene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2-Nitroaniline	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
2-Nitrophenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
3,3-Dichlorobenzidine	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
3-Nitroaniline	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
4,6-Dinitro-2-methylphenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

SEMIVOLATILE ORGANICS (BNAS)			Method: EPA-8270C-Rev 3, Dec-96		Analyst: ls	
4-Bromophenyl phenyl ether	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
4-Chloro-3-methylphenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
4-Chloroaniline	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
4-Chlorophenyl phenyl ether	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
4-Nitroaniline	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
4-Nitrophenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Acenaphthene	<0.0621	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Acenaphthylene	<0.0621	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Anthracene	0.0714	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Benzo(a)anthracene	0.198	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Benzo(a)pyrene	0.161	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Benzo(b)fluoranthene	0.181	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Benzo(g,h,i)perylene	0.0832	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Benzo(k)fluoranthene	0.0727	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Bis(2-chloroethoxy)methane	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Bis(2-chloroethyl)ether	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Bis(2-chloroisopropyl)ether	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Bis(2-ethylhexyl)phthalate	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Butyl benzyl phthalate	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Carbazole	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Chrysene	0.189	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Dibenzo(a,h)anthracene	<0.0621	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Dibenzofuran	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Diethyl phthalate	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Dimethyl phthalate	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Di-n-butyl phthalate	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Di-n-octyl phthalate	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Fluoranthene	0.360	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Fluorene	<0.0621	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Hexachlorobenzene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Hexachlorobutadiene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Hexachlorocyclopentadiene	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Hexachloroethane	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Indeno(1,2,3-cd)pyrene	0.0724	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Isophorone	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
m,p-Cresol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Naphthalene	0.0801	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Nitrobenzene	<0.0621	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
N-Nitrosodi-n-propylamine	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
N-Nitrosodiphenylamine	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
o-Cresol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Pentachlorophenol	<0.311	0.311	mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Phenanthrene	0.340	0.0621	mg/Kg-dry	1	10/20/2010 10:20 PM	2237

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 12, 2010
Project Name: 3434 W. 51st ST.
Lab Order: 1010851

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96				Analyst: ls	
Phenol	<0.311	0.311		mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Pyrene	0.419	0.0621		mg/Kg-dry	1	10/20/2010 10:20 PM	2237
Surr: 2,4,6-Tribromophenol	54.7	0.1-136		%REC	1	10/20/2010 10:20 PM	2237
Surr: 2-Fluorobiphenyl	58.3	16.3-118		%REC	1	10/20/2010 10:20 PM	2237
Surr: 2-Fluorophenol	66.8	4.2-97		%REC	1	10/20/2010 10:20 PM	2237
Surr: 4-Terphenyl-d14	46.7	0.1-147		%REC	1	10/20/2010 10:20 PM	2237
Surr: Nitrobenzene-d5	56.4	0.1-119		%REC	1	10/20/2010 10:20 PM	2237
Surr: Phenol-d5	67.6	9.82-111		%REC	1	10/20/2010 10:20 PM	2237
CYANIDE, TOTAL		Method: EPA-9014-Rev 0, Dec-96				Analyst: lb	
Cyanide	0.017	0.012	J	mg/Kg-dry	1	10/21/2010 2:47 PM	R6569
MERCURY BY CVAA		Method: EPA-7471A-Rev 1, Sep-94				Analyst: kjl	
Mercury	0.248	0.0235		mg/Kg-dry	1	10/20/2010 2:58 PM	2239
MERCURY BY CVAA, TCLP		Method: EPA-1311/7470A-Rev 1, Sep-94				Analyst: kjl	
Mercury	<0.0002	0.0002		mg/L	1	11/03/2010 2:21 PM	2436
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	19.31	0		wt%	1	10/18/2010 5:40 PM	R6478
PH (IN LABORATORY) <ATC>		Method: EPA-9045C-Rev 3, Jan-95				Analyst: lb	
pH	9.22	0		pH Units	1	11/01/2010 4:31 PM	R6893
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	20	1.0		wt%	1	10/20/2010 12:00 AM	R6488

Client Sample ID: PB-74 (0-4)
Matrix: SOIL
Lab ID: 1010851-015
Date Received: 10/18/2010 4:30 AM
Collection Date: 10/18/2010 2:39 PM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-6010B-Rev 2, Dec-96				Analyst: jos	
Lead	65.3	0.577		mg/Kg-dry	1	10/20/2010 5:58 PM	2243
PCBS		Method: EPA-8082-Rev 0, Dec-96				Analyst: mn	
Aroclor 1016	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 6:07 AM	2223
Aroclor 1221	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 6:07 AM	2223
Aroclor 1232	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 6:07 AM	2223
Aroclor 1242	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 6:07 AM	2223
Aroclor 1248	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 6:07 AM	2223
Aroclor 1254	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 6:07 AM	2223
Aroclor 1260	<0.0202	0.0202		mg/Kg-dry	1	10/20/2010 6:07 AM	2223
Surr: Tetrachloro-m-xylene	68.8	33.7-156		%REC	1	10/20/2010 6:07 AM	2223
METALS, PERCENT MOISTURE		Method: EPA-200.2-Rev 2.8, 1994				Analyst: dc	
ICP Specific Percent Moisture	14.94	0		wt%	1	10/18/2010 5:40 PM	R6478
PERCENT MOISTURE		Method: ASTM-D2216-Rev 2005				Analyst: ma	
Percent Moisture	18	1.0		wt%	1	10/20/2010 12:00 AM	R6488

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client: Pioneer Engineering & Environmental Services, Inc.
Report Date: November 12, 2010
Project: 3434 W. 51st ST.
Lab Order: 1010851

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010851-001A	10/18/10 8:46:00 AM	2265	5035PR	CLOSED SYSTEM P&T VOC Prep		10/20/10
1010851-001C		2239	HG_SPR	Mercury Prep for Solids		10/20/10
		2237	3550_B	SOLID PREP SONICATION: BNA		10/20/10
		2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2242	3550_P	SOLID PREP SONICATION: Pest		10/20/10
		2243	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/20/10
1010851-002A	10/18/10 8:47:00 AM	2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2243	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/20/10
1010851-003A	10/18/10 8:50:00 AM	2262	3550_PCB	SOLID PREP SONICATION: PCB		10/21/10
1010851-004A	10/18/10 10:00:00 A	2265	5035PR	CLOSED SYSTEM P&T VOC Prep		10/20/10
1010851-004C		2441	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		11/03/10
		2517	200.2_ICPMSSP	AQUEOUS PREP TOTAL METALS: ICPMS		11/10/10
		2239	HG_SPR	Mercury Prep for Solids		10/20/10
		2436	HG_TPR	MERCURY PREP for TCLP / SPLP		11/03/10
		2237	3550_B	SOLID PREP SONICATION: BNA		10/20/10
		2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2242	3550_P	SOLID PREP SONICATION: Pest		10/20/10
		2243	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/20/10
		2513	1312LMLow	SPLP SAMPLE PREP (Metals)		11/09/10
		2432	1311LM	TCLP SAMPLE PREP (Metals)		11/02/10
1010851-005A	10/18/10 10:01:00 A	2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010851-007A	10/18/10 10:13:00 A	2265	5035PR	CLOSED SYSTEM P&T VOC Prep		10/20/10
1010851-007C		2441	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		11/03/10
		2436	HG_TPR	MERCURY PREP for TCLP / SPLP		11/03/10
		2237	3550_B	SOLID PREP SONICATION: BNA		10/20/10
		2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2242	3550_P	SOLID PREP SONICATION: Pest		10/20/10
		2432	1311LM	TCLP SAMPLE PREP (Metals)		11/02/10
1010851-008A	10/18/10 1:33:00 PM	2239	HG_SPR	Mercury Prep for Solids		10/20/10

Client: Pioneer Engineering & Environmental Services, Inc.
Report Date: November 12, 2010
Project: 3434 W. 51st ST.
Lab Order: 1010851

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1010851-008A	10/18/10 1:33:00 PM	2228	3550SIM_B	SOLID PREP SONICATION: BNA		10/19/10
		2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2243	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/20/10
1010851-009A	10/18/10 2:01:00 PM	2239	HG_SPR	Mercury Prep for Solids		10/20/10
		2228	3550SIM_B	SOLID PREP SONICATION: BNA		10/19/10
		2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2243	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/20/10
1010851-010A	10/18/10 11:44:00 A	2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010851-011A	10/18/10 11:47:00 A	2262	3550_PCB	SOLID PREP SONICATION: PCB		10/21/10
1010851-012A	10/18/10 12:04:00 P	2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
1010851-013A		2262	3550_PCB	SOLID PREP SONICATION: PCB		10/21/10
1010851-014A	10/18/10 12:33:00 P	2265	5035PR	CLOSED SYSTEM P&T VOC Prep		10/20/10
1010851-014C		2441	200.2_ICPT_PR	AQUEOUS PREP TOTAL METALS: ICP		11/03/10
		2239	HG_SPR	Mercury Prep for Solids		10/20/10
		2436	HG_TPR	MERCURY PREP for TCLP / SPLP		11/03/10
		2237	3550_B	SOLID PREP SONICATION: BNA		10/20/10
		2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2242	3550_P	SOLID PREP SONICATION: Pest		10/20/10
		2243	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/20/10
		2432	1311LM	TCLP SAMPLE PREP (Metals)		11/02/10
1010851-015A	10/18/10 2:39:00 PM	2223	3550_PCB	SOLID PREP SONICATION: PCB		10/19/10
		2243	200.2_ICP_PR	SOLID PREP TOTAL METALS: ICP		10/20/10

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001;AIHA 101160; NVLAP LabCode 101202-

October 27, 2010

Suburban Laboratories, Inc.
4140 Litt Drive
Hillside, IL 60162
Telephone: (708) 544-3260
Fax: (708) 544-8587

RE: 1010851 STAT Project No: 10100691

Dear Shane Clarke:

STAT Analysis received 1 sample for the referenced project on 10/20/2010 3:00:00 PM. The analytical results are presented in the following report.

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

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

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

Sincerely,

Katelin Lewis

Katelin Lewis
Project Mananger

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

STAT Analysis Corporation

Date: October 27, 2010

Client: Suburban Laboratories, Inc.
Project: 1010851
Lab Order: 10100691

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10100691-001A	1010851-005B		10/18/2010 10:01:00 AM	10/20/2010

STAT Analysis Corporation
2242 West Harrison St., Suite 200, Chicago, IL 60612-3766
Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com
Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: October 27, 2010
Print Date: October 27, 2010

Client:	Suburban Laboratories, Inc.	Client Sample ID:	1010851-005B
Lab Order:	10100691	Tag Number:	
Project:	1010851	Collection Date:	10/18/2010 10:01:00 AM
Lab ID:	10100691-001A	Matrix:	Soil

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Cyanide, Reactive	SW7.3.3.2			Prep Date: 10/27/2010		Analyst: YZ
Reactive Cyanide	ND	1		mg/Kg	1	10/27/2010
Sulfide, Reactive	SW7.3.4.2			Prep Date: 10/25/2010		Analyst: YZ
Reactive Sulfide	ND	10		mg/Kg	1	10/25/2010

Qualifiers:

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

Rpt Ver ID: 11/12/10 3:20:09 PM melissa

CHAIN OF CUSTODY RECORD

COC ID: 10100691

ADDRESS
Suburban Laboratories, Inc.
Hillside, IL 60162
TEL: 708-544-3260
FAX: 708-544-8587
Website: www.SuburbanLabs.com

ACCREDITED IN ACCORDANCE WITH nelac

Please Include Email Address of Report Recipient Whenever Possible!!!

SUB CONTRATOR	STATANALYSIS	COMPANY	STAT Analysis
ADDRESS	2242 W. Harrison- Suite 200		
CITY, STATE, ZIP:	Chicago, IL 60612		
PHONE	(312) 733-0551	FAX:	(312) 733-2386
ACCOUNT #:		EMAIL:	

SPECIAL INSTRUCTIONS / COMMENTS

10100691

ITEM #	SAMPLE ID	CLIENT SAMPLE ID	BOTTLE TYPE	MATRIX	DATE COLLECTED	NUMBER OF CONTAINERS	COMMENTS: Methanol Preserved Weights HOT Sample Notation, Additional Sample Description.
1	1010851-005B	PB-70 (0-2.5)	4OZG	Soil	10/18/10 10:01:00 AM	1	

CN_REACTIVE_SUB (SW7.3.3.2), SU_REACTIVE_SUB (SW7.3.4.2)

001

Relinquished By:	Date: 10/19	Time: 1930	Received By:	Date: 10/20/10	Time: 1500	
Relinquished By:	Date	Time	Received By:	Date	Time	
Relinquished By:	Date	Time	Received By	Date	Time	

TAT: Standard RUSH Next BD 2nd BD 3rd BD

Note: RUSH requests will incur surcharges!

REPORT TRANSMITTAL DESIRED

HARDCOPY (extra cost) FAX EMAIL ONLINE

FOR LAB USE ONLY

Temp of samples 5.4 °C Attempt to Cool? Yes

Comments:

STAT Analysis Corporation

Sample Receipt Checklist

Client Name SUBURBAN

Date and Time Received: 10/20/2010 3:00:00 PM

Work Order Number 10100691

Received by: CDF

Checklist completed by: Signature 10/20/10 Date

Reviewed by: CG Initials 10/21/10 Date

Matrix:

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels/containers?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container or Temp Blank temperature in compliance?	Yes ☑	No ☐	Temperature 5.4 °C
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☐	No ☐
Water - Samples pH checked?	Yes ☐	No ☐	Checked by:
Water - Samples properly preserved?	Yes ☐	No ☐	pH Adjusted?

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

Comments:

Client / Person contacted: Date contacted: Contacted by:

Response:

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

87714

Page 1 of 2

Company Name: PIONEER
Company Address: 700 N SACKAMENTO
City: CHGO State: IL Zip: 60612
Phone: 773 722 9200 Fax: ☐ Fax Report
Email Address: DPRENTICE@PIONEEREES.COM Final Report will be emailed
Project ID / Location: 3404 W 51ST
Project Manager (Report to): DAKOTA PRENTICE
Sample Collector(s) Name: Jim Mizwichi

TURNAROUND TIME REQUESTED
☐ Normal ☒ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed:
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☐ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4

LAB USE ONLY
SLI ORDER No. 10105 51
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples 1 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	TCL	PCBs	TCLP LEAD	TOC	PNAS	METALS + pH (RCDAS)	VOCs	SVOCs	Pesticides	DIOXIN	R	Condition	Split	LAB #
X 1	PB-69 (0-4)	10/18/10	846	SO		6	3 40ml vial 3 4oz G	Meoh Bath NONE	X													-001A, 001B, 001C
X 2	PB-69 (0-2.5)	/ /	847			1	4oz G	NONE		X	X											-002A
X 3	PB-69 (2.5-5)	/ /	850			1	4oz G	NONE										X				-003A
X 4	PB-70 (0-4)	/ /	1000			6	3 40ml vial 3 4oz G	Meoh Bath NONE	X													-004A, 004B, 004C
X 5	PB-70 (0-2.5)	/ /	1001			1	4oz G	NONE		X												-005A, -005B
X 6	PB-70 (2.5-5)	/ /	1004															X				-006A
X 7	PB-70 (5-7.5)	/ /	1013			5	3 40ml 2 4oz G	Meoh Bath NONE		X		X			X	X	X					-007A, 007B, 007C
8	PB-71 (0-4)	/ /	133			2	4oz G	NONE		X			X	X								-008A
9	PB-72 (0-4)	/ /	201							X			X	X								-009A
X 10	PB-2 (0-2.5)	/ /	1144			1				X												-010A
X 11	PB-2 (2.5-5)	/ /	1147															X				-011A
X 12	PB-2D (0-2.5)	/ /	1204							X												-012A

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
PCBs - 2 day TAT
PNAS - 3 day TAT
Lead - 2 day TAT
All other - Standard

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
[signature]	10/18/10	[signature]	10/18/10				
Received By [signature] ☐ Ice present	Time 3:55	Received By [signature] ☑ Ice present	Time 4:30	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD # 87749

Page 2 of 2

Company Name: PIONEER
Company Address: 700 N SACRAMENTO
City: CHICO State: IL Zip: 60612
Phone: 773 722 9200 Fax: ☐ Fax Report
Email Address: DPRENTICE@PIONEEREES.COM ☐ Final Report will be emailed
Project ID / Location: 3434 W 51ST
Project Manager (Report to): SAMOTA PRENTICE
Sample Collector(s) Name: VIM MOWICKI

TURNAROUND TIME REQUESTED
☐ Normal ☒ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed: _____
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☐ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

PO No.:
Shipping Method:
Reporting Level (at additional charge) 1 2 3 4
LAB USE ONLY
SLI ORDER No.: 1010851
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples: 1 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION "Use One Line Per Preservation & Container Type"	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	TCL	LEAD	PCBS	HOLD	R	Condition	Split	LAB #
1	PB-28 (2.5-5)	10/18/10	1204	SO		1	402 G	NONE				X				-013A
2	PB-73 (0-4)	↓	1233	↓		9	6 402 G 3 40ml VIAL	NONE MeOH BAG	X							-014A
3	PB-74 (0-4)	↓	239	↓		2	402 G	NONE		XX						-015A
4		/ /														
5		/ /														
6		/ /														
7		/ /														
8		/ /														
9		/ /														
10		/ /														
11		/ /														
12		/ /														

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaBS), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:
PCBs - 2 day TAT
Lead - 2 day TAT
Target Compound List - Standard

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
	10/18/10		10/18/10				
Received By ☐ Ice present	Time 3:55	Received By ☐ Ice present	Time 4:30	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. Rev. 07/20/08 White-Original, Pink-Sampler Copy

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, Illinois 60162
Tel. (708) 544-3260 Toll Free (800) 783-LABS
Fax (708-544-8587
www.suburbanlabs.com

November 24, 2010

Workorder: 1011536

Dakota Prentice
Pioneer Engineering & Environmental Services, Inc.
700 N. Sacramento Blvd., Suite 101
Chicago, Illinois 60612

TEL: (773) 722-9200
FAX: (773) 722-9201
RE: 10-0461-103, 3535 W. 51st, CHICAGO

Dear Dakota Prentice:

Suburban Laboratories, Inc. received 2 sample(s) on 11/11/10 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation on, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Melissa Amador

Melissa Amador
Project Manager

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Case Narrative

Client: Pioneer Engineering & Environmental Servi
Date: November 24, 2010
Project: 10-0461-103, 3535 W. 51st, CHICAGO
PO #:
WorkOrder: 1011536
QC Level:
Temperature of samples upon receipt at SLI: 3 C
Chain of Custody #: 87789

General Comments:
- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.

Abbreviations:
- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- In Laboratory: EPA recommends this analyte be analyzed "immediately" (e.g., tests that should be performed in the field within 15 minutes of collection). Analytes with "immediate" hold times are analyzed as soon as possible upon receipt by the laboratory.
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).

Method References:
For a complete list of method references please contact us.
- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

Laboratory Results

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

Client Sample ID: MW-4
Matrix: GROUNDWATER
Lab ID: 1011536-001
Date Received: 11/11/2010 1:45 PM
Collection Date: 11/11/2010 6:50 AM

Parameter	Result	Report Limit	Qual	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: mn	
Aluminum	0.0790	0.0174		mg/L	1	11/17/2010 8:05 PM	2598
Arsenic	<0.0200	0.0200		mg/L	1	11/17/2010 8:05 PM	2598
Barium	0.0779	0.00500		mg/L	1	11/17/2010 8:05 PM	2598
Beryllium	<0.00250	0.00250		mg/L	1	11/17/2010 8:05 PM	2598
Cadmium	<0.00100	0.00100		mg/L	1	11/17/2010 8:05 PM	2598
Calcium	369	0.0151		mg/L	1	11/17/2010 8:05 PM	2598
Chromium	<0.00500	0.00500		mg/L	1	11/17/2010 8:05 PM	2598
Cobalt	0.0107	0.00909	J	mg/L	1	11/17/2010 8:05 PM	2598
Copper	0.00528	0.00299		mg/L	1	11/17/2010 8:05 PM	2598
Iron	0.0253	0.0117	J	mg/L	1	11/17/2010 8:05 PM	2598
Magnesium	154	0.0109		mg/L	1	11/17/2010 8:05 PM	2598
Manganese	0.829	0.00882		mg/L	1	11/17/2010 8:05 PM	2598
Nickel	0.0493	0.00400		mg/L	1	11/17/2010 8:05 PM	2598
Potassium	23.0	0.0400		mg/L	1	11/17/2010 8:05 PM	2598
Selenium	<0.0250	0.0250		mg/L	1	11/17/2010 8:05 PM	2598
ilver	<0.00200	0.00200		mg/L	1	11/17/2010 8:05 PM	2598
Sodium	178	0.100		mg/L	1	11/22/2010 10:09 PM	2598
Vanadium	<0.00259	0.00259		mg/L	1	11/17/2010 8:05 PM	2598
Zinc	<0.0150	0.0150		mg/L	1	11/17/2010 8:05 PM	2598
METALS BY ICPMS		Method: SW846-SW6020-Rev 0, Sep-94				Analyst: kjl	
Antimony	0.00194	0.00060		mg/L	1	11/18/2010 8:09 PM	2579
Lead	0.00018	0.00010	J	mg/L	1	11/18/2010 8:09 PM	2579
Thallium	0.00067	0.00010		mg/L	1	11/19/2010 2:02 PM	2579
ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.0000500	0.0000500		mg/L	1	11/20/2010 3:51 AM	2588
4,4-DDE	<0.0000500	0.0000500		mg/L	1	11/20/2010 3:51 AM	2588
4,4-DDT	<0.0000500	0.0000500		mg/L	1	11/20/2010 3:51 AM	2588
Aldrin	<0.0000250	0.0000250		mg/L	1	11/20/2010 3:51 AM	2588
alpha-BHC	<0.0000250	0.0000250		mg/L	1	11/20/2010 3:51 AM	2588
alpha-Chlordane	<0.0000250	0.0000250		mg/L	1	11/20/2010 3:51 AM	2588
beta-BHC	<0.0000250	0.0000250		mg/L	1	11/20/2010 3:51 AM	2588
Chlordane	<0.000100	0.000100		mg/L	1	11/20/2010 3:51 AM	2588
delta-BHC	<0.0000250	0.0000250		mg/L	1	11/20/2010 3:51 AM	2588
Dieldrin	<0.0000500	0.0000500		mg/L	1	11/20/2010 3:51 AM	2588
Endosulfan I	<0.0000250	0.0000250		mg/L	1	11/20/2010 3:51 AM	2588
Endosulfan II	<0.0000500	0.0000500		mg/L	1	11/20/2010 3:51 AM	2588
Endosulfan sulfate	<0.0000500	0.0000500		mg/L	1	11/20/2010 3:51 AM	2588
Endrin	<0.0000500	0.0000500		mg/L	1	11/20/2010 3:51 AM	2588

Qualifiers:

*	Value exceeds Maximum Contaminant Level
c	Analyte not in SLI scope of accreditation
G	Refer to case narrative page for specific comments
J	Analyte detected below quantitation limit (QL)
ND	Not Detected at the Reporting Limit
B	Analyte detected in the associated Method Blank
E	Estimated, detected above quantitation range
H	Holding times for preparation or analysis exceeded
N	Tentatively identified compounds
R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96			Analyst: mn	
Endrin aldehyde	<0.0000500	0.0000500	mg/L	1	11/20/2010 3:51 AM	2588
Endrin ketone	<0.0000500	0.0000500	mg/L	1	11/20/2010 3:51 AM	2588
gamma-BHC	<0.0000250	0.0000250	mg/L	1	11/20/2010 3:51 AM	2588
gamma-Chlordane	<0.0000250	0.0000250	mg/L	1	11/20/2010 3:51 AM	2588
Heptachlor	<0.0000250	0.0000250	mg/L	1	11/20/2010 3:51 AM	2588
Heptachlor epoxide	<0.0000250	0.0000250	mg/L	1	11/20/2010 3:51 AM	2588
Methoxychlor	<0.000250	0.000250	mg/L	1	11/20/2010 3:51 AM	2588
Toxaphene	<0.000200	0.000200	mg/L	1	11/20/2010 3:51 AM	2588
Surr: Tetrachloro-m-xylene	95.0	31-143	%REC	1	11/17/2010 12:00 AM	2588
PCBS		Method: EPA-SW8082-Rev 0, Dec-96			Analyst: mn	
Aroclor 1016	<0.000100	0.000100	mg/L	1	11/17/2010 3:49 PM	2589
Aroclor 1221	<0.000100	0.000100	mg/L	1	11/17/2010 3:49 PM	2589
Aroclor 1232	<0.000100	0.000100	mg/L	1	11/17/2010 3:49 PM	2589
Aroclor 1242	<0.000100	0.000100	mg/L	1	11/17/2010 3:49 PM	2589
Aroclor 1248	<0.000100	0.000100	mg/L	1	11/17/2010 3:49 PM	2589
Aroclor 1254	<0.000100	0.000100	mg/L	1	11/17/2010 3:49 PM	2589
Aroclor 1260	<0.000100	0.000100	mg/L	1	11/17/2010 3:49 PM	2589
Surr: Tetrachloro-m-xylene	95.0	40.4-143	%REC	1	11/17/2010 3:49 PM	2589
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
1,1,1-Trichloroethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
1,2,2-Tetrachloroethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
1,1,2-Trichloroethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
1,1-Dichloroethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
1,1-Dichloroethene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
1,2-Dichloroethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
1,2-Dichloropropane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
2-Butanone	<0.010	0.010	mg/L	1	11/18/2010 6:33 PM	R7455
2-Hexanone	<0.025	0.025	mg/L	1	11/18/2010 6:33 PM	R7455
4-Methyl-2-pentanone	<0.025	0.025	mg/L	1	11/18/2010 6:33 PM	R7455
Acetone	<0.025	0.025	mg/L	1	11/18/2010 6:33 PM	R7455
Benzene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Bromodichloromethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Bromoform	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Bromomethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Carbon disulfide	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Carbon tetrachloride	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Chlorobenzene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Chloroethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Chloroform	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Chloromethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
cis-1,2-Dichloroethene	<0.00100	0.00100	mg/L	1	11/20/2010 8:53 PM	R7516
cis-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Dibromochloromethane	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
Ethylbenzene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
m,p-Xylene	<0.002	0.002	mg/L	1	11/18/2010 6:33 PM	R7455
Methyl tert-butyl ether	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Methylene chloride	<0.005	0.005	mg/L	1	11/18/2010 6:33 PM	R7455
o-Xylene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Total Xylenes	<0.002	0.002	mg/L	1	11/18/2010 6:33 PM	R7455
Styrene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Tetrachloroethene	<0.00100	0.00100	mg/L	1	11/20/2010 8:53 PM	R7516
Toluene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
trans-1,2-Dichloroethene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
trans-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Trichloroethene	<0.00100	0.00100	mg/L	1	11/20/2010 8:53 PM	R7516
Vinyl chloride	<0.001	0.001	mg/L	1	11/18/2010 6:33 PM	R7455
Surr: 4-Bromofluorobenzene	86.4	67.9-119	%REC	1	11/18/2010 6:33 PM	R7455
Surr: Dibromofluoromethane	105	62.3-122	%REC	1	11/18/2010 6:33 PM	R7455
Surr: Toluene-d8	100	68.2-119	%REC	1	11/18/2010 6:33 PM	R7455
SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
1,2,4-Trichlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
1,2-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
1,3-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
4-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2,4,5-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2,4,6-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2,4-Dichlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2,4-Dimethylphenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2,4-Dinitrophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2,4-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2,6-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2-Chloronaphthalene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2-Chlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2-Methylnaphthalene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2-Nitroaniline	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
2-Nitrophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
3,3-Dichlorobenzidine	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
3-Nitroaniline	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
4,6-Dinitro-2-methylphenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
4-Bromophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
4-Chloro-3-methylphenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
4-Chloroaniline	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
4-Chlorophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
4-Nitroaniline	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
4-Nitrophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Bis(2-chloroethoxy)methane	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621

Qualifiers:

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c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Bis(2-chloroethyl)ether	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Bis(2-chloroisopropyl)ether	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Bis(2-ethylhexyl)phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Butyl benzyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Carbazole	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Dibenzofuran	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Diethyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Dimethyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Di-n-butyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Di-n-octyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Hexachlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Hexachlorobutadiene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Hexachlorocyclopentadiene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Hexachloroethane	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Isophorone	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
m,p-Cresol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Nitrobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
N-Nitrosodi-n-propylamine	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
N-Nitrosodiphenylamine	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
o-Cresol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Pentachlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Phenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:10 PM	2621
Surr: 2,4,6-Tribromophenol	44.2	36.6-133	%REC	1	11/19/2010 2:10 PM	2621
Surr: 2-Fluorobiphenyl	53.2	26.8-113	%REC	1	11/19/2010 2:10 PM	2621
Surr: 2-Fluorophenol	37.2	0.1-110	%REC	1	11/19/2010 2:10 PM	2621
Surr: 4-Terphenyl-d14	40.2	31.3-152	%REC	1	11/19/2010 2:10 PM	2621
Surr: Nitrobenzene-d5	51.9	13.8-115	%REC	1	11/19/2010 2:10 PM	2621
Surr: Phenol-d6	23.2	1.14-110	%REC	1	11/19/2010 2:10 PM	2621
SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Acenaphthene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Acenaphthylene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Anthracene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Benzo(a)anthracene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Benzo(a)pyrene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Benzo(b)fluoranthene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Benzo(g,h,i)perylene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Benzo(k)fluoranthene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Chrysene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Dibenzo(a,h)anthracene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Fluoranthene	0.000130	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Fluorene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Indeno(1,2,3-cd)pyrene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Naphthalene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Phenanthrene	0.000117	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Pyrene	<0.000100	0.000100	mg/L	1	11/19/2010 6:12 AM	2611
Surr: 2-Fluorobiphenyl	84.4	26.8-113	%REC	1	11/19/2010 6:12 AM	2611
Surr: 4-Terphenyl-d14	70.0	31.3-152	%REC	1	11/19/2010 6:12 AM	2611
Surr: Nitrobenzene-d5	81.9	13.8-115	%REC	1	11/19/2010 6:12 AM	2611
CYANIDE, TOTAL		Method: APHA-4500CN CE-Rev 18Ed, 1992			Analyst: lb	
Cyanide	<0.01	0.01	mg/L	1	11/18/2010 11:35 AM	R7439
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94			Analyst: kjl	
Mercury	<0.0002	0.0002	mg/L	1	11/18/2010 11:31 AM	2609

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

Client Sample ID: MW-5
Matrix: GROUNDWATER
Lab ID: 1011536-002
Date Received: 11/11/2010 1:45 PM
Collection Date: 11/11/2010 7:45 AM

Parameter	Result	Report Limit	Qual.	Units	Dilution Factor	Date Analyzed	Batch ID
METALS BY ICP		Method: EPA-SW6010B-Rev 2, Dec-96				Analyst: mn	
Aluminum	0.871	0.0174		mg/L	1	11/17/2010 7:54 PM	2598
Arsenic	<0.0200	0.0200		mg/L	1	11/17/2010 7:54 PM	2598
Barium	0.0730	0.00500		mg/L	1	11/17/2010 7:54 PM	2598
Beryllium	<0.00250	0.00250		mg/L	1	11/17/2010 7:54 PM	2598
Cadmium	<0.00100	0.00100		mg/L	1	11/17/2010 7:54 PM	2598
Calcium	451	0.0151		mg/L	1	11/17/2010 7:54 PM	2598
Chromium	0.00533	0.00500		mg/L	1	11/17/2010 7:54 PM	2598
Cobalt	0.0147	0.00909	J	mg/L	1	11/17/2010 7:54 PM	2598
Copper	0.0111	0.00299		mg/L	1	11/17/2010 7:54 PM	2598
Iron	0.971	0.0117		mg/L	1	11/17/2010 7:54 PM	2598
Magnesium	221	0.0109		mg/L	1	11/17/2010 7:54 PM	2598
Manganese	1.09	0.00882		mg/L	1	11/17/2010 7:54 PM	2598
Nickel	0.0521	0.00400		mg/L	1	11/17/2010 7:54 PM	2598
Potassium	29.9	0.0400		mg/L	1	11/17/2010 7:54 PM	2598
Selenium	<0.0250	0.0250		mg/L	1	11/17/2010 7:54 PM	2598
Silver	<0.00200	0.00200		mg/L	1	11/17/2010 7:54 PM	2598
Sodium	214	0.100		mg/L	1	11/22/2010 9:57 PM	2598
Vanadium	<0.00259	0.00259		mg/L	1	11/17/2010 7:54 PM	2598
Zinc	<0.0150	0.0150		mg/L	1	11/17/2010 7:54 PM	2598
METALS BY ICPMS		Method: SW846-SW6020-Rev 0, Sep-94				Analyst: kjl	
Antimony	0.00277	0.00060		mg/L	1	11/18/2010 8:15 PM	2579
Lead	0.00114	0.00010		mg/L	1	11/18/2010 8:15 PM	2579
Thallium	0.00038	0.00010		mg/L	1	11/19/2010 2:09 PM	2579
ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96				Analyst: mn	
4,4-DDD	<0.0000500	0.0000500		mg/L	1	11/20/2010 4:10 AM	2588
4,4-DDE	<0.0000500	0.0000500		mg/L	1	11/20/2010 4:10 AM	2588
4,4-DDT	<0.0000500	0.0000500		mg/L	1	11/20/2010 4:10 AM	2588
Aldrin	<0.0000250	0.0000250		mg/L	1	11/20/2010 4:10 AM	2588
alpha-BHC	<0.0000250	0.0000250		mg/L	1	11/20/2010 4:10 AM	2588
alpha-Chlordane	<0.0000250	0.0000250		mg/L	1	11/20/2010 4:10 AM	2588
beta-BHC	<0.0000250	0.0000250		mg/L	1	11/20/2010 4:10 AM	2588
Chlordane	<0.000100	0.000100		mg/L	1	11/20/2010 4:10 AM	2588
delta-BHC	<0.0000250	0.0000250		mg/L	1	11/20/2010 4:10 AM	2588
Dieldrin	<0.0000500	0.0000500		mg/L	1	11/20/2010 4:10 AM	2588
Endosulfan I	<0.0000250	0.0000250		mg/L	1	11/20/2010 4:10 AM	2588
Endosulfan II	<0.0000500	0.0000500		mg/L	1	11/20/2010 4:10 AM	2588
Endosulfan sulfate	<0.0000500	0.0000500		mg/L	1	11/20/2010 4:10 AM	2588
Endrin	<0.0000500	0.0000500		mg/L	1	11/20/2010 4:10 AM	2588

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

ORGANOCHLORINE PESTICIDES		Method: EPA-SW8081A-Rev 1, Dec-96			Analyst: mn	
Endrin aldehyde	<0.0000500	0.0000500	mg/L	1	11/20/2010 4:10 AM	2588
Endrin ketone	<0.0000500	0.0000500	mg/L	1	11/20/2010 4:10 AM	2588
gamma-BHC	<0.0000250	0.0000250	mg/L	1	11/20/2010 4:10 AM	2588
gamma-Chlordane	<0.0000250	0.0000250	mg/L	1	11/20/2010 4:10 AM	2588
Heptachlor	<0.0000250	0.0000250	mg/L	1	11/20/2010 4:10 AM	2588
Heptachlor epoxide	<0.0000250	0.0000250	mg/L	1	11/20/2010 4:10 AM	2588
Methoxychlor	<0.000250	0.000250	mg/L	1	11/20/2010 4:10 AM	2588
Toxaphene	<0.000200	0.000200	mg/L	1	11/20/2010 4:10 AM	2588
Surr: Tetrachloro-m-xylene	91.2	31-143	%REC	1	11/17/2010 12:00 AM	2588
PCBS		Method: EPA-SW8082-Rev 0, Dec-96			Analyst: mn	
Aroclor 1016	<0.000100	0.000100	mg/L	1	11/17/2010 4:07 PM	2589
Aroclor 1221	<0.000100	0.000100	mg/L	1	11/17/2010 4:07 PM	2589
Aroclor 1232	<0.000100	0.000100	mg/L	1	11/17/2010 4:07 PM	2589
Aroclor 1242	<0.000100	0.000100	mg/L	1	11/17/2010 4:07 PM	2589
Aroclor 1248	<0.000100	0.000100	mg/L	1	11/17/2010 4:07 PM	2589
Aroclor 1254	<0.000100	0.000100	mg/L	1	11/17/2010 4:07 PM	2589
Aroclor 1260	<0.000100	0.000100	mg/L	1	11/17/2010 4:07 PM	2589
Surr: Tetrachloro-m-xylene	91.2	40.4-143	%REC	1	11/17/2010 4:07 PM	2589
VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
1,1,1-Trichloroethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
,1,2,2-Tetrachloroethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
1,1,2-Trichloroethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
1,1-Dichloroethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
1,1-Dichloroethene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
1,2-Dichloroethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
1,2-Dichloropropane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
2-Butanone	<0.010	0.010	mg/L	1	11/18/2010 7:12 PM	R7455
2-Hexanone	<0.025	0.025	mg/L	1	11/18/2010 7:12 PM	R7455
4-Methyl-2-pentanone	<0.025	0.025	mg/L	1	11/18/2010 7:12 PM	R7455
Acetone	<0.025	0.025	mg/L	1	11/18/2010 7:12 PM	R7455
Benzene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Bromodichloromethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Bromoform	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Bromomethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Carbon disulfide	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Carbon tetrachloride	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Chlorobenzene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Chloroethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Chloroform	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Chloromethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
cis-1,2-Dichloroethene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
cis-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Dibromochloromethane	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455

Qualifiers:

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G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

VOLATILE ORGANIC COMPOUNDS		Method: EPA-SW8260B-Rev 2, Dec-96			Analyst: ks	
Ethylbenzene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
m,p-Xylene	<0.002	0.002	mg/L	1	11/18/2010 7:12 PM	R7455
Methyl tert-butyl ether	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Methylene chloride	<0.005	0.005	mg/L	1	11/18/2010 7:12 PM	R7455
o-Xylene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Total Xylenes	<0.002	0.002	mg/L	1	11/18/2010 7:12 PM	R7455
Styrene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Tetrachloroethene	0.002	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Toluene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
trans-1,2-Dichloroethene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
trans-1,3-Dichloropropene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Trichloroethene	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Vinyl chloride	<0.001	0.001	mg/L	1	11/18/2010 7:12 PM	R7455
Surr: 4-Bromofluorobenzene	94.5	67.9-119	%REC	1	11/18/2010 7:12 PM	R7455
Surr: Dibromofluoromethane	104	62.3-122	%REC	1	11/18/2010 7:12 PM	R7455
Surr: Toluene-d8	100	68.2-119	%REC	1	11/18/2010 7:12 PM	R7455
SEMIVOLATILE ORGANICS (BNAS)		**Method: EPA-8270C-Rev 3, Dec-96**			**Analyst: ls**	
1,2,4-Trichlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
1,2-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
1,3-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
4-Dichlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2,4,5-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2,4,6-Trichlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2,4-Dichlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2,4-Dimethylphenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2,4-Dinitrophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2,4-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2,6-Dinitrotoluene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2-Chloronaphthalene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2-Chlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2-Methylnaphthalene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2-Nitroaniline	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
2-Nitrophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
3,3-Dichlorobenzidine	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
3-Nitroaniline	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
4,6-Dinitro-2-methylphenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
4-Bromophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
4-Chloro-3-methylphenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
4-Chloroaniline	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
4-Chlorophenyl phenyl ether	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
4-Nitroaniline	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
4-Nitrophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Bis(2-chloroethoxy)methane	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

SEMIVOLATILE ORGANICS (BNAS)		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Bis(2-chloroethyl)ether	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Bis(2-chloroisopropyl)ether	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Bis(2-ethylhexyl)phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Butyl benzyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Carbazole	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Dibenzofuran	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Diethyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Dimethyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Di-n-butyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Di-n-octyl phthalate	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Hexachlorobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Hexachlorobutadiene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Hexachlorocyclopentadiene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Hexachloroethane	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Isophorone	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
m,p-Cresol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Nitrobenzene	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
N-Nitrosodi-n-propylamine	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
N-Nitrosodiphenylamine	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
o-Cresol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Pentachlorophenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Phenol	<0.0100	0.0100	mg/L	1	11/19/2010 2:49 PM	2621
Surr: 2,4,6-Tribromophenol	46.0	36.6-133	%REC	1	11/19/2010 2:49 PM	2621
Surr: 2-Fluorobiphenyl	69.1	26.8-113	%REC	1	11/19/2010 2:49 PM	2621
Surr: 2-Fluorophenol	41.0	0.1-110	%REC	1	11/19/2010 2:49 PM	2621
Surr: 4-Terphenyl-d14	84.2	31.3-152	%REC	1	11/19/2010 2:49 PM	2621
Surr: Nitrobenzene-d5	62.5	13.8-115	%REC	1	11/19/2010 2:49 PM	2621
Surr: Phenol-d6	28.4	1.14-110	%REC	1	11/19/2010 2:49 PM	2621
SEMIVOLATILE ORGANICS, BY GCMS SIM		**Method: EPA-8270C-Rev 3, Dec-96**			**Analyst: ls**	
Acenaphthene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Acenaphthylene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Anthracene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Benzo(a)anthracene	0.000171	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Benzo(a)pyrene	0.000126	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Benzo(b)fluoranthene	0.000137	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Benzo(g,h,i)perylene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Benzo(k)fluoranthene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Chrysene	0.000171	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Dibenzo(a,h)anthracene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Fluoranthene	0.000281	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Fluorene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Indeno(1,2,3-cd)pyrene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Naphthalene	<0.000100	0.000100	mg/L	1	11/19/2010 6:49 AM	2611

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Client ID: Pioneer Engineering & Environmental Services, I
Report Date: November 24, 2010
Project Name: 10-0461-103, 3535 W. 51st, CHICAGO
Lab Order: 1011536

SEMIVOLATILE ORGANICS, BY GCMS SIM		Method: EPA-8270C-Rev 3, Dec-96			Analyst: ls	
Phenanthrene	0.000240	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Pyrene	0.000231	0.000100	mg/L	1	11/19/2010 6:49 AM	2611
Surr: 2-Fluorobiphenyl	79.5	26.8-113	%REC	1	11/19/2010 6:49 AM	2611
Surr: 4-Terphenyl-d14	67.7	31.3-152	%REC	1	11/19/2010 6:49 AM	2611
Surr: Nitrobenzene-d5	79.6	13.8-115	%REC	1	11/19/2010 6:49 AM	2611
CYANIDE, TOTAL		Method: APHA-4500CN CE-Rev 18Ed, 1992			Analyst: lb	
Cyanide	<0.01	0.01	mg/L	1	11/18/2010 11:35 AM	R7439
MERCURY BY CVAA		Method: EPA-SW7470A-Rev 1, Sep-94			Analyst: kjt	
Mercury	<0.0002	0.0002	mg/L	1	11/18/2010 11:33 AM	2609

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
c	Analyte not in SLI scope of accreditation	E	Estimated, detected above quantitation range
G	Refer to case narrative page for specific comments	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limit (QL)	N	Tentatively identified compounds
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Suburban Laboratories, Inc.
4140 Litt Drive, Hillside, IL 60162 (708) 544-3260

PREP DATES REPOR

Client: Pioneer Engineering & Environmental Services, Inc.
Report Date: November 24, 2010
Project: 10-0461-103, 3535 W. 51st, CHIC
Lab Order: 1011536

Sample ID	Collection Date	Batch ID	Prep Method	Prep Test Name	TCLP Date	Prep Date
1011536-001B	11/11/10 6:50:00 AM	2621	3510_B	AQUEOUS PREP SEP FUNNEL: BNA		11/18/10
		2611	3510SIM_B	AQUEOUS PREP SEP FUNNEL: BNA		11/17/10
		2589	3510_PCB	AQUEOUS PREP SEP FUNNEL: PCB		11/15/10
		2588	3510_P	AQUEOUS PREP SEP FUNNEL: Pest		11/15/10
1011536-001D		2598	200.2_ICPW_PR	AQUEOUS PREP TOTAL METALS: ICP		11/16/10
		2579	200.2_ICPMS_W	AQUEOUS PREP TOTAL METALS: ICP		11/15/10
		2609	HG_WPR	MERCURY PREP for AQUEOUS		11/17/10
1011536-002B	11/11/10 7:45:00 AM	2621	3510_B	AQUEOUS PREP SEP FUNNEL: BNA		11/18/10
		2611	3510SIM_B	AQUEOUS PREP SEP FUNNEL: BNA		11/17/10
		2589	3510_PCB	AQUEOUS PREP SEP FUNNEL: PCB		11/15/10
		2588	3510_P	AQUEOUS PREP SEP FUNNEL: Pest		11/15/10
1011536-002D		2598	200.2_ICPW_PR	AQUEOUS PREP TOTAL METALS: ICP		11/16/10
		2579	200.2_ICPMS_W	AQUEOUS PREP TOTAL METALS: ICP		11/15/10
		2609	HG_WPR	MERCURY PREP for AQUEOUS		11/17/10

SUBURBAN LABORATORIES, Inc.

4140 Litt Drive Hillside, IL 60162 Tel. 708.544.3260 Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com

CHAIN OF CUSTODY RECORD

87789

Company Name: Pioneer
Company Address: 700 N. Sacramento Blvd Ste.101
City: Chicago State: IL Zip: 60612
Phone: 773 722-9200 Fax: ☐ Fax Report
Email Address: dprentice@pioneeroes.com Final Report will be emailed
Project ID / Location: 10-0461-103 / 3535 W. 51st, Chicago
Project Manager (Report to): D. Prentice
Sample Collector(s) Name: J. Mizwicki

TURNAROUND TIME REQUESTED
☒ Normal ☐ RUSH* *Additional Rush Charges Approved.
*Date & Time Needed:
Normal TAT is specified on the price quotation or fee schedule. Rush work must be pre-approved and additional charges apply.

Specify Regulatory Program: (Required) ☐ None/Info Only
☐ LUST ☒ SRP ☐ SDWA
☐ 503 Sludge ☐ NPDES ☐ MWRDGC
☐ Disposal ☐ Other* *Please specify in comment section below.

ANALYSIS & METHOD REQUESTED
Enter an "X" in box below for request

Page / of /
PO No.
Shipping Method
Reporting Level (at additional charge) 1 2 3 4
LAB USE ONLY
SLI ORDER No. 1011536
Sample containers supplied by customer? ☐ Yes
Temperature of Received Samples 3 °C
Samples received the same day as collection? ☐ Yes

	SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type*	COLLECTION DATE	COLLECTION TIME	MATRIX	GRAB/ COMP.	CONTAINERS Qty	CONTAINERS SIZE & TYPE	PRESERVATIVE	Target Compound List	R	Condition	Split	LAB #
1	MW-4	11/11/10	6:50	GW		3	L-Amber	None	X				1B
2	MW-4	11/11/10	6:50	GW		3	40mL Vial	HCl	X				1A
3	MW-4	11/11/10	6:50	GW		1	500mL	NaOH	X				1C
4	MW-4	11/11/10	6:50	GW		1	500mL	HNO_3	X				1D
5	MW-5	11/11/10	7:45	GW		3	L-Amber	None	X				2B
6	MW-5	11/11/10	7:45	GW		3	40mL Vial	HCl	X				2A
7	MW-5	11/11/10	7:45	GW		1	500mL	NaOH	X				2C
8	MW-5	11/11/10	7:45	GW		1	500mL	HNO_3	X				2D
9		/ /											
10		/ /											
11		/ /											
12		/ /											

MATRIX: Drinking Water (DW), Soil (S), Waste Water (WW), Surface Water(SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Wipe (P) CONTAINER: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVE: H_2SO_4, HCl, HNO_3, Methanol (MeOH) NaOH, Sodium Bisulfate (NaB), NaThio

COMMENTS & SPECIAL INSTRUCTIONS:

CONDITION CODES
1. Improper/damaged container/cap
2. Improper preservation
3. Insufficient sample volume
4. Headspace/air bubbles for VOCs
5. Received past holding time
6. Received frozen
7. Label conflicts with COC

1. Relinquished By	Date	2. Relinquished By	Date	3. Relinquished By	Date	4. Relinquished By	Date
[signature]	11/11/10	[signature]	11-11-10				
Received By [signature] ☐ Ice present	Time 1:05	Received By Melissa Amadon ☐ Ice present	Time 1:45	Received By ☐ Ice present	Time	Received By ☐ Ice present	Time

Submission of samples subject to Terms and Conditions on back. v. 07/20/08 White-Original Pink-Sampler Copy

Rpt ver ID: 11/24/10 4:05:24 PM Melissa